References

- Aibin, M. Dynamic routing algorithm for regenerator aware optimization of anycast and unicast flows in elastic optical networks. Tech. Rep. nr 15, 2014.
- Aibin, M. Simulated annealing algorithm for minimization of average spectrum usage in elastic optical networks with anycast and unicast flows. Tech. Rep. nr 2, 2014.
- [3] Aibin, M. Simulated annealing algorithm for optimization of elastic optical networks with multicast and unicast flows. Tech. Rep. nr 20, 2014.
- [4] Aibin, M. Dynamic routing algorithm for anycast and unicast flows in survivable elastic optical networks. Tech. Rep. nr 24, 2015.
- [5] Aibin, M. Dynamic routing algorithm for regenerator aware optimization of multicast flows in elastic optical networks. Tech. Rep. nr 16, 2016.
- [6] Aibin, M. Cross-stratum optimization for provisioning of data center services. Tech. Rep. nr 37, 2017.
- [7] Aibin, M. Dynamic routing algorithms for cloud-ready elastic optical networks. PhD thesis, 2017.
- [8] Aibin, M., and Blazejewski, M. Complex elastic optical network simulator (ceons). In ICTON 2015: 17th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Budapest, Hungary, 5-9 July 2015 / eds. Marek Jaworski, Marian Marciniak. [Danvers, MA]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2015., 3 (2015), pp. 1-4.
- [9] Aibin, M., Goscien, R. J., and Walkowiak, K. Multicasting versus anycasting: how to efficiently deliver content in elastic optical networks. In ICTON 2016: 18th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Trento, Italy, July 10th-14th, 2016 / eds. Marek Jaworski, Marian Marciniak.Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2016., 3 (2016), pp. 1-4.
- [10] AIBIN, M., AND WALKOWIAK, K. Dynamic routing of anycast and unicast traffic in elastic optical networks with various modulation formats trade-off between blocking probability and network cost. In 2014 IEEE 15th International Conference on High Performance Switching and Routing (HPSR) [Dokument elektroniczny]: July, 1-4, 2014, Vancouver, British Columbia, Canada. Piscataway, NJ: IEEE, cop. 2014., 5 (2014), pp. 64-69.
- [11] AIBIN, M., AND WALKOWIAK, K. Simulated annealing algorithm for optimization of elastic optical networks with unicast and anycast traffic. In ICTON 2014: 16th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Graz, 6th-10th July, 2014 / eds. Marek Jaworski, Marian Marciniak.[Piscataway, NJ]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2014., 3 (2014), pp. 1–4.
- [12] AIBIN, M., AND WALKOWIAK, K. Adaptive modulation and regenerator-aware dynamic routing algorithm in elastic optical networks. In 2015 IEEE International Conference on Communications (ICC), 8-12 June 2015, London, United Kingdom.Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 5138–5143.
- [13] AIBIN, M., AND WALKOWIAK, K. Adaptive survivability algorithm for path protection with various traffic classes in elastic optical networks. In Proceedings of 2015 7th International Workshop on Reliable Networks Design and Modeling (RNDM), October 5-7, 2015, Munich, Germany / [Jacek Rak i in.] (eds.).Danvers, MA: IEEE, cop. 2015., 5 (2015), pp. 55-61.

- [14] AIBIN, M., AND WALKOWIAK, K. Regenerator placement algorithms for cloud-ready elastic optical networks. In ICTON 2015: 17th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Budapest, Hungary, 5-9 July 2015 / eds. Marek Jaworski, Marian Marciniak.[Danvers, MA]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2015., 4 (2015), pp. 1-4.
- [15] AIBIN, M., AND WALKOWIAK, K. Defragmentation algorithm for joint dynamic and static routing problems in elastic optical networks with unicast and anycast traffic. In 2016 International Conference on Computing, Networking and Communications (ICNC), 15-18 February 2016, Kauai, Hawaii, USA.Piscataway, NJ: IEEE, cop. 2016., 5 (2016), pp. 350–354.
- [16] AIBIN, M., AND WALKOWIAK, K. Different strategies for dynamic multicast traffic protection in elastic optical networks. In Proceedings of 2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), September 13-15, 2016, Halmstad, Sweden / Magnus Jonsson, Jacek Rak, Arun Somani, Dimitri Papadimitriou, Alexey Vinel (eds.). Danvers, MA: IEEE, cop. 2016., 5 (2016), pp. 174-180.
- [17] AIBIN, M., AND WALKOWIAK, K. Resource requirements in fixed-grid and flex-grid networks for dynamic provisioning of data center traffic. In 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), 14-18 May 2016, Vancouver, BC, Canada. Piscataway, NJ: IEEE, cop. 2016., 4 (2016), pp. 1-4.
- [18] AIBIN, M., AND WALKOWIAK, K. Analysis of inter-data center elastic optical network. In ICTON 2017: 19th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Girona, Catalonia, Spain, 2-6 July, 2017 / Marek Jaworski, Marian Marciniak.Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications, cop. 2017., 3 (2017), pp. 1-4.
- [19] AIBIN, M., WALKOWIAK, K., HAERI, S., AND TRAJKOVIC, L. Traffic prediction for interdata center cross-stratum optimization problems. In 2018 International Conference on Computing, Networking and Communications (ICNC) [Dokument elektroniczny]: March 5-8, 2018, Maui, HI, USA.Danvers, MA: IEEE, cop. 2018., 4 (2018), pp. 393–398.
- [20] AIBIN, M., WALKOWIAK, K., AND SEN, A. Software-defined adaptive survivability for elastic optical networks. Optical Switching and Networking 23 (2017).
- [21] AKSIUTIN, P., PAREMSKI, D., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Using meta-heuristic algorithms for minimizing the costs of access-point location. In InfoWare 2012 [Dokument elektroniczny]: The Eighth International Conference on Wireless and Mobile Communications, ICWMC 2012, June 24-29, 2012, Venice, Italy / eds. Dragana Krstic, Eugen Borcoci.[B.m.]: IARIA, cop. 2012. (2012), pp. 278-283.
- [22] Antosik, B., and Kurzynski, M. New measures of classifier competence heuristics and application to the design of multiple classifier systems. In *Computer recognition systems 4*/ Robert Burduk [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011.s. 197-206,1 rys., 3 tab., bibliogr. 16 poz., vol. nr 95 of Advances in Intelligent and Soft Computing. 2011.
- [23] Arroyo, A., Herrero, A., Tricio, V., Corchado, E., and Wozniak, M. Neural models for imputation of missing ozone data in air-quality datasets. *Complexity 2018* (2018).
- [24] BALCEREK, B., FRANKOWSKI, G., SZYMANSKA-KWIECIEN, A., SMUTNICKI, A., AND TEODORCZYK, M. Security best practices. In Building a national distributed e-infrastructure PL-Grid: scientific and technical achievements / Marian Bubak, Tomasz Szepieniec, Kazimierz Wiatr (eds.).Berlin; Heidelberg: Springer, cop. 2012.s. 128-141,bibliogr. 32 poz., vol. vol. 7136 of Lecture Notes in Computer Science. 2012.

- [25] BARANOWSKI, K., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Ant colony optimization algorithm for solving the provider. In *Intelligent Information and Database Systems: 6th Asian Conference, ACHDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 1 / Ngoc Thanh Nguyen [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014.*, 7 (2014), Lecture Notes in Computer Science., pp. 493–502.
- [26] BARDZINSKI, L., AND KOSZALKA, L. Using genetic algorithms for dynamic load balancing. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2004]. (2004), pp. 21–28.
- [27] BARDZINSKI, L., AND KOSZALKA, L. Zastosowanie algorytmow genetycznych do dynamicznego rownowazenia obciazenia. In Czlowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., bibliogr 5 poz. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 263–268.
- [28] BAZYLUK, M. Algorytm mrowkowy dla problemu pmjs_e/t. In Człowiek cywilizacja przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 7-12.
- [29] BAZYLUK, M., AND KOSZALKA, L. Ant colony optimization for the parallel machine earliness-tardiness scheduling: a comparison with local search algorithms. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 170-177.
- [30] BAZYLUK, M., AND KOSZALKA, L. Efficiency of metaheuristics in pmjs_e/t scheduling problem. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5559 (2009).
- [31] BAZYLUK, M., KOSZALKA, L., AND BURNHAM, K. J. Parallel machine earliness-tardiness scheduling. In Fifth International Conference on Informatics in Control, Automation and Robotics, ICINCO 2008 [Dokument elektroniczny]: proceedings, Funchal, Madeira, Portugal, 11-15 May 2008.[Setubal]: INSTICC Press, 2008. (2008), pp. 80–85.
- [32] BAZYLUK, M., KOSZALKA, L., AND BURNHAM, K. J. Scheduling on networks of work-stations with task runtime restrictions. In The Seventh International Conference on Networking (ICN 2008) [Dokument elektroniczny], Cancun, Mexico, 13-18 April 2008 / eds Jun Bi, Tibor Gyires, Iwona Pozniak-Koszalka. [Los Alamitos i in.]: IEEE Copmuter Society [Press], cop. 2008. (2008), pp. 608-613.
- [33] BAZYLUK, M., KOSZALKA, L., AND BURNHAM, K. J. Using heuristic algorithms for parallel machines job scheduling problem. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 9-29.
- [34] BAZYLUK, M., KOSZALKA, L., BURNHAM, K. J., AND RUDEK, R. Determining the input bias on efficiency of metaheuristic algorithms for a parallel machine scheduling problem. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 9-28.

- [35] Bednarska, A. Ensemble classification for android-based malware detection. In 13th Students' Science Conference [Dokument elektroniczny]: Polanica-Zdroj, 17-20 September 2015. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2015., 5 (2015), Prace Studentow Politechniki Wrocławskiej., pp. 6-11.
- [36] Bem, D. J., Kasprzak, A., Wieckowski, T., Wroczynski, R., and Zielinski, R. Sprawozdanie z wdrozenia nowego kierunku dydaktycznego teleinformatyka. Tech. Rep. nr 57, 2005.
- [37] Bem, D. J., and Kasprzak, A. A. Transmisje multimedialne w sieci ip. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 8/9 (2002).
- [38] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2005 (2005), Biblioteka Teleinformatyczna, Oficyna Wydaw. PWroc., Wrocław.
- [39] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2006 (2006), Biblioteka Teleinformatyczna, Oficyna Wydaw. PWroc., Wrocław.
- [40] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2007 (2007), Biblioteka Teleinformatyczna, Oficyna Wydaw. PWroc., Wrocław.
- [41] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2008 (2009), Biblioteka Teleinformatyczna, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław.
- [42] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2009 (2010), Biblioteka Teleinformatyczna, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław.
- [43] Bem, D. J., Kasprzak, A. A., Szymanowski, M., and Wieckowski, T., Eds. Internet 2011 (2012), Biblioteka Teleinformatyczna, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław.
- [44] BIERNAT, M., AND WALKOWIAK, K. Naubtilus survivable bittorrent-based system with data updates. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 19–26.
- [45] BIRECKA, A., EMILIANOWICZ, J., JANUKOWICZ, S., KLINK, J., MIAZGA, B., SZY-MANOWSKI, M., WALKOWIAK, K., WOZNIAK, M., AND ZIELINSKI, R. Opracowanie strategii zintegrowanej sieci korporacyjnej pko b. Tech. Rep. nr 30, 2008.
- [46] BIRECKA, A., EMILIANOWICZ, J., JANUKOWICZ, S., KLINK, J., MIAZGA, B., SZY-MANOWSKI, M., WALKOWIAK, K., WOZNIAK, M., AND ZIELINSKI, R. Opracowanie strategii zintegrowanej sieci korporacyjnej pko b. Tech. Rep. nr 21, 2008.
- [47] BIRECKA, A., EMILIANOWICZ, J., JANUKOWICZ, S., KLINK, J., MIAZGA, B., SZY-MANOWSKI, M., WALKOWIAK, K., WOZNIAK, M., AND ZIELINSKI, R. Opracowanie strategii zintegrowanej sieci korporacyjnej pko bp na lata 2008-201. Tech. Rep. nr 36, 2008.
- [48] BIRECKA, A., EMILIANOWICZ, J., JANUKOWICZ, S., KLINK, J., MIAZGA, B., WALKOWIAK, K., WOZNIAK, M., ZIELINSKI, R., AND SZYMANOWSKI, M. Specyfikacja istotnych warunkow zamowienia (siwz) na usługe: Transmisja danych w sieci pkonet.strategia wdrazania usług w zintegrowanej sieci korporacyjnej pko bp na lata 2008-2013. Tech. Rep. nr 73, 2008.

- [49] BLAZEJ, R., JURDZIAK, L., BURDUK, R., KIRJANOW, A., AND KOZLOWSKI, T. Analysis of core failure distribution in steel cord belts on cross-secton. In 17th International Multidisciplinary Scientific GeoConference, SGEM 2017, 29 June-5 July, 2017, Albena, Bulgaria: conference proceedings. Vol. 17, Science and technologies in geology, exploration and mining. Iss. 13, Exploration and mining. Sofia: STEF92 Technology, cop. 2017., 5 (2017), International Multidisciplinary Scientific GeoConference SGEM, pp. 987–994.
- [50] BLOK, H. E., CHOENNI, S., WAC, K., BLANKEN, H. M., AND APERS, P. M. G. A selectivity model for fragmented relations: evaluated for different standard data distributions. CTIT Technical Reports Series. Centre for Telematics and Information Technology. University of Twente, Enschede, 2002.
- [51] Bodzon, B., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Comparison of allocation algorithms in mesh oriented structures for different scheduling techniques. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.).Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 223-232.
- [52] Bogalinski, P., Davies, D., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Evaluation of strip nesting algorithms: an experimentation system for the practical users. *Journal of Intelligent & Fuzzy Systems* 27, 2 (2014).
- [53] BOGALINSKI, P., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Computer system for making efficiency analysis of meta-heuristic algorithms to solving nesting problem. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5991 (2010).
- [54] Bogalinski, P., Orlowski, K., Pasierb, K., and Winkel, P. Problem nestingu dla dwuwymiarowych obiektow. In Człowiek - cywilizacja - przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 65-70.
- [55] Bogalinski, P., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Algorithms to solving strip nesting problem based on taboo search and aco. In Proceedings of the 23rd IAR Workshop on Advanced Control and Diagnosis 2008 [Dokument elektroniczny], Coventry, 27-28 November 2008 / eds Keith J. Burnham & Jens G. Linden; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2008]. (2008), pp. 222-227.
- [56] Bogalinski, P., Pozniak-Koszalka, I., Koszalka, L., and Skworcow, P. The two dimensional irregular-shaped nesting problem. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 29-35.
- [57] BOGUCKI, K. Projekt wrocławskiego systemu komunikacji (wcs). In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 531-536.
- [58] BORCOCI, E., CAVENDISH, D., AND KOSZALKA, L., Eds. InfoWare 2015 [Dokument elektroniczny]: The Seventh International Conference on Evolving Internet, INTERNET 2015, October 11-16, 2015, St. Julians, Malta (2015), IARIA, [B.m.].

- [59] Borkowski, J., and Kasprzak, A. A. Algorithms for base station location in wireless networks with cost minimization. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2014]., 9 (2014), pp. 22-34.
- [60] Borowiec, G., Postawka, A. M., and Koszalka, L. Static tasks allocation algorithms and influence of architecture on mesh structured networks performance. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2014]., 0 (2014), pp. 66–80.
- [61] BOROWSKI, M., MACHON, R., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. A modified tsp: algorithms and experimentation system. In Proceedings of the Seventh International Conference on Information, November 25-28, 2015, Taipei, Taiwan / ed. by Lei Li, Tei-Wei Kuo.[B.m.]: International Information Institute, 2015., 5 (2015), pp. 170–173.
- [62] BROWKIN, J., AND DAVIES, D. Refined kodaira classes and conductors of twisted elliptic curves. Dissertationes Mathematicae 463 (2009).
- [63] BRYLAK, J., GRUBER, J., AND JOZWIAK, I. Zastosowanie eksploatacji danych do wykrywania reklam w obrazach na stronach www. Zeszyty Naukowe - Politechnika Slaska. Organizacja i Zarzadzanie (2012).
- [64] BUDNIK, M., BURNHAM, K. J., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. A general on-line friction estimation and compensation framework for real-life system with varying friction. In 10th European Workshop on Advanced Control and Diagnosis (ACD 2012) [Dokument elektroniczny]: Copenhagen, Denmark, 8-9 November 2012 / Technical University of Denmark.[B.m.: b.w., 2012]. (2012), pp. 1-6.
- [65] BUDNIK, M., AND KRAWCZYK, B. Improving the quality of classification by data preprocessing methods for the music genres recognition problem. Zeszyty Naukowe Wydziału Elektroniki, Telekomunikacji i Informatyki Politechniki Gdanskiej, 9 (2011).
- [66] BUDNIK, M., AND KRAWCZYK, B. On optimal settings of classification tree ensembles for medical decision support. Health Informatics Journal 19, 1 (2013).
- [67] BUDNIK, M., POZNIAK-KOSZALKA, I., AND KOSZALKA, L. The usage of the k-nearest neighbour classifier with classifier ensemble. In 2012 International Conference on Computational Science and its Applications, ICCSA 2012 [Dokument elektroniczny]: Salvador-Bahia, Brazil, 18-21 June 2012.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2012. (2012), pp. 170–173.
- [68] BUJNOWSKA-FEDAK, M. M., AND PUCHALA, E. Www service project for the family doctor practice. Ukrainskij zurnal telemediciny i medicinskoj telematiki [Dokument elektroniczny] 6, 2 (2008).
- [69] BUJNOWSKA-FEDAK, M. M., AND PUCHALA, E. Nowoczesne technologie teleinformatyczne w opiece nad chorym na cukrzyce. Przewodnik Lekarza 12, 1 (2009).
- [70] BUJNOWSKA-FEDAK, M. M., PUCHALA, E., AND STECIWKO, A. Telemedicine for diabetes support in family doctors' practices: a pilot project. *Journal of Telemedicine and Telecare*. 2006, [12 (2006).

- [71] BUJNOWSKA-FEDAK, M. M., PUCHALA, E., AND STECIWKO, A. Telemedicine support in diabetes management - can it improve the doctor-patient communication? Tech. Rep. nr 11, 2009.
- [72] BUJNOWSKA-FEDAK, M. M., PUCHALA, E., AND STECIWKO, A. The impact of tele-home care on health status and quality of life among patients with diabetes in a primary care setting in poland. *Telemedicine Journal and e-Health* 17, 3 (2011).
- [73] Bujnowska-Fedak, M. M., Puchala, E., and Steciwko, A. Needs and views assessment of the elderly with diabetes in the use of telemedical tools and e-health services. Diabetes Technology & Therapeutics. 2013, vol. 15, supplement 1, s. A100-A1010, 1, 2013.
- [74] Bulira, D. Heuristic algorithms for optimization of overlay systems with many to many transmission. Tech. Rep. nr 3, 2014.
- [75] BULIRA, D. Multicast-based dynamic routing of many-to-many flows in elastic optical networks. In The Third European Network Intelligence Conference, ENIC 2016 [Dokument elektroniczny]: 05-07 September 2016, Wrocław, Poland: proceedings.Piscataway, NJ: IEEE, cop. 2016., 5 (2016), pp. 245-251.
- [76] BULIRA, D. Many-to-many on-line routing in anycast dwdm networks with multicast flows. Tech. Rep. nr 55, 2017.
- [77] Bulira, D., and Cal, P. Quality of experience in wireless access networks simulation vs. real tests. In 10th Student's Science Conference Man Civilization Future: Walbrzych, 12-15 July 2012. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012., Streszcz. (2012), Prace Studentow Politechniki Wrocławskiej., pp. 85-90.
- [78] BULIRA, D., AND SEN, A. Impairment aware dynamic routing of many-to-many flows in elastic optical networks. In The Second European Network Intelligence Conference, ENIC 2015 [Dokument elektroniczny]: 21-22 September 2015, Karlskrona, Sweden: proceedings.Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 33-39.
- [79] BULIRA, D., AND WALKOWIAK, K. Voice and video streaming in wireless computer networks evaluation of network delays. In 2012 2nd Baltic Congress on Future Internet Communications, BCFIC [Dokument elektroniczny]: Vilnius, Lithuania, 25-27 April 2012 / Algimantas Kajackas [i in.] (eds.). Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 1-6.
- [80] BULIRA, D., AND WALKOWIAK, K. Wplyw opoznienia sieciowego w usługach strumieniowych dla bezprzewodowych technologii dostepowych. In Internet 2011 / red. Daniel J. Bem [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012.s. 25-42,6 rys., 3 tab., bibliogr 12 poz., Summ., vol. t. 6 of Biblioteka Teleinformatyczna. 2012.
- [81] BULIRA, D., AND WALKOWIAK, K. Dynamic routing of many-to-many traffic in wdm networks. In ICTON 2014: 16th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Graz, 6th-10th July, 2014 / eds. Marek Jaworski, Marian Marciniak. [Piscataway, NJ]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2014., 3 (2014), pp. 1–4.
- [82] BULIRA, D., AND WALKOWIAK, K. Optimization of many-to-many multimedia transmission systems with stream replication. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 8/9 (2014).
- [83] BULIRA, D., AND WALKOWIAK, K. Performance of dynamic many-to-many routing in wdm and elastic optical networks. In ICTON 2015: 17th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Budapest, Hungary, 5-9 July 2015 / eds. Marek Jaworski, Marian Marciniak. [Danvers, MA]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2015., 3 (2015), pp. 1-4.

- [84] Burduk, R. Case of fuzzy loss function in multistage recognition algorithm. Journal of Medical Informatics & Technologies. 2003, - M 5 (2003).
- [85] Burduk, R. Concept of multistage recognition algorithm with fuzzy factors. Image Processing & Communications 9, 3/4 (2003).
- [86] Burduk, R. Komputerowe algorytmy rozpoznawania wieloetapowego z modelem probabilistyczno-rozmytym i ich zastosowanie w medycynie. PhD thesis, 2003.
- [87] Burduk, R. Multistage bayes recognition algorithm with fuzzy stage-dependent loss function and fuzzy observations of the features. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 425–430.
- [88] Burduk, R. Rozpoznawanie wieloetapowe dla nieprecyzyjnej informacji o cechach obiektu. In Zastosowania informatyki i analizy systemowej w zarzadzaniu. Pod red. Jana Studzinskiego, Ludoslawa Drelichowskiego, Olgierda Hryniewicza. Warszawa: Instytut Badan Systemowych PAN, 2003.s. 245-255,2 rys., bibliogr. [7] poz., vol. t. 33 of Badania Systemowe. 2003.
- [89] Burduk, R. Rozpoznawanie zapalenia stawow krzyzowo-biodrowych z zastosowaniem logiki wieloetapowej z rozmyta funkcja strat. In Biocybernetyka i inzynieria biomedyczna. XIII Krajowa konferencja naukowa, Gdansk, 10-13 wrzesien 2003. T. 1. Biosystemy / Red. Antoni Nowakowski. [Gdansk: Wydział Elektroniki, Telekomunikacji i Informatyki PGdan., 2003]. (2003), pp. 263–267.
- [90] Burduk, R. Some methods for ranking fuzzy numbers in multistage recognition algorithm. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 97–102.
- [91] Burduk, R. Decision rules for bayesian hierarchical classifier with fuzzy factor. In Soft methodology and random information systems. [2nd International Conference on Soft Methods in Probability and Statistics (SMPS '2004)], Oviedo, 2-4 September 2004] / Miguel Lopez-Diaz [i in. eds.Berlin; Heidelberg: Springer, cop. 2004. (2004), Advances in Soft Computing, pp. 519-526.
- [92] Burduk, R. Multistage pattern recognition with fuzzy or non-fuzzy features-results of simulation. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 181–186.
- [93] Burduk, R. Pattern recognition of sacroileitis with the use of multistage logic with a fuzzy loss function. In Computers in medical applications. [Eds. Piotr Deerffer, Jaroslaw Rybicki]. Gdansk: Acad. Comput. Cent. TASK, 2004.s. 217-221,2 rys., 2 tab., bibliogr. 6 poz., vol. vol. 8 nr 2 of TASK Quarterly: Scientific Bulletin of Academic Computer Centre in Gdansk. 2004.
- [94] Burduk, R. Simulation of a hierarchical classifier when features are fuzzy. In New trends in system simulation. Proceedings of the International Winter Workshop, [Krnov, Czech Republic, February 25-26, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 53-58.
- [95] Burduk, R. Subjective method for ranking fuzzy numbers in multistage classifier. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 92-97.

- [96] ВURDUK, R. Zwiekszenie prawdopodobienstwa blednej klasyfikacji w rozpoznawaniu wieloetapowym z rozmytymi obserwacjami cech obiektu. In Wspomaganie informaty-czne rozwoju społeczno-gospodarczego i ochrony srodowiska. Red. Jan Studzinski, Ludosław Drelichowski, Olgierd Hryniewicz. Warszawa: Instytut Badan Systemowych PAN, 2004.s. 193-201,1 rys., 2 tab., bibliogr. [5] poz., vol. t. 36 of Badania Systemowe. 2004.
- [97] Burduk, R. Concept of use the bootstrap method in multistage classifier. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 179–182.
- [98] Burduk, R. Locally and globally strategy of multistage pattern recognition with fuzzy features - results of simulation. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 27-33.
- [99] Burduk, R. Probability of misclassification in bayesian hierarchical classifier. In Intelligent information processing and web mining. M. A. Klopotek, S. T. Wierzchon, K. Trojanowski (eds). Berlin [i in.]: Springer, cop. 2005.s. 341-348,1 rys., 1 tab., bibliogr. 18 poz., Advances in Soft Computing. 2005.
- [100] Burduk, R. Selection of fuzzy-valued loss function in two stage binary classifier. In Computer recognition systems. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2005.s. 121-128,2 rys., bibliogr. 12 poz., Advances in Soft Computing. 2005.
- [101] Burduk, R. Prawdopodobienstwo bledu w rozpoznawaniu wieloetapowym. In Badania operacyjne i systemowe 2006. Metody i techniki. Pod red. J. Kacprzyka i R. Budzinskiego. Warszawa: ""Exit"", 2006.s. 353-361,1 rys., 2 tab., bibliogr. [6] poz., Problemy Wspolczesnej Nauki, Teoria i Zastosowania. Problemy Wspolczesnej Nauki, Teoria i Zastosowania. 2006.
- [102] Burduk, R. Bayes error rate in mutistage recognition with fuzzy data. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 58-62.
- [103] Burduk, R. Classification accuracy in local optimal strategy of multistage recognition with fuzzy data. In Computer recognition systems 2. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2007.s. 364-370,1 rys., 1 tab., bibliogr. 16 poz., vol. 45 of Advances in Soft Computing. 2007.
- [104] Burduk, R. Fuzzy data in local optimal strategy of multistage recognition. In 6th International Conference on Computer Information Systems and Industrial Management Applications. CISIM 2007. Proceedings, Elk, Poland, 28-30 June 2007 / Ed. by Khalid Saeed, Ajith Abraham, Romuald Mosdorf.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2007. (2007), pp. 251-254.
- [105] Burduk, R. Stage-dependent fuzzy loss function in multistage classfier results of simulations. In Proceedings of the 6th EUROSIM Congress on Modelling and Simulation. EUROSIM 2007 [Dokument elektroniczny], Ljubljana, Slovenia, 9-13 September 2007 / Ed. by Borut Zupancic, Rihard Karba, Saso Blazic. Vienna: Argesim, cop. 2007.[6] s. (2007).
- [106] Burduk, R. Stage-dependent fuzzy-valued loss function in two-stage binary classifier. In Innovations in hybrid intelligent systems. Emilio Corchado, Juan M. Corchado, Ajith Abraham (eds). Berlin [i in.]: Springer, cop. 2007.s. 48-55,2 rys., bibliogr. 17 poz., vol. 44 of Advances in Soft Computing, 2007.

- [107] Burduk, R. Classification accuracy in hierarchical classifier simulations results. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 61-66.
- [108] Burduk, R. Comparison of multistage classifier with fuzzy and non-fuzzy observations of features. Polish Journal of Environmental Studies 17, 3B (2008).
- [109] Burduk, R. Estimation of error for bayes classifier with fuzzy data. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 45-49.
- [110] Burduk, R. Possibility of use a fuzzy loss function in medical diagnostics. In Information technologies in biomedicine / Ewa Pietka, Jacek Kawa (eds). Berlin: Springer, cop. 2008.s. 476-481,3 rys., 1 tab., bibliogr. 10 poz., vol. 47 of Advances in Soft Computing. 2008.
- [111] Burduk, R. A probabilistic-fuzzy approach for multistage recognition. Polish Journal of Environmental Studies 17, 2B (2008).
- [112] Burduk, R. Bootstrap method in multistage classifier with fuzzy observations. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 172–177.
- [113] Burduk, R. Interval-valued fuzzy observations in bayes classifier. Lecture Notes in Computer Science 5788 (2009).
- [114] Burduk, R. Intuitionistic fuzzy observations in local optimal hierarchical classifier. In Computer recognition systems 3 / Marek Kurzynski, Michal Wozniak (eds.).Berlin; Heidelberg: Springer, cop. 2009.s. 303-310,1 rys., 1 tab., bibliogr. 15 poz., vol. nr 57 of Advances in Intelligent and Soft Computing. 2009.
- [115] Burduk, R. Probability error in bayes classifier with type-2 fuzzy observations. Polish Journal of Environmental Studies 18, 3B (2009).
- [116] Burduk, R. Probability error in global optimal hierarchical classifier with intuitionistic fuzzy observations. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5572 (2009).
- [117] Burduk, R. Probabilty error in bayes optimal classifier with intuitionistic fuzzy observations. Lecture Notes in Computer Science 5627 (2009).
- [118] Burduk, R. Classification error in bayes multistage recognition task with fuzzy observations. Pattern Analysis and Applications 13, 1 (2010).
- [119] Burduk, R. Exact classification error in bayes classifier with fuzzy observations. In 2010 Fifth International Conference on Information and Automation for Sustainability, ICIAfS [Dokument elektroniczny]: sustainable development trough effective man-machine co-existence, 17-19 December 2010, Colombo, Sri Lanka. [Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 271–275.
- [120] Burduk, R. The new upper bound on the probability of error in a binary tree classifier with fuzzy information. Neural Network World 20, 7 (2010).

- [121] Burduk, R. A partition of feature space based on information energy in classification with fuzzy observations. In *Image processing and communications challenges 2 / Ryszard S. Choras (ed.).Berlin ; Heidelberg : Springer, cop. 2010.s. 159-166,1 rys., 2 tab., bibliogr. 15 poz.*, vol. nr 84 of *Advances in Intelligent and Soft Computing.* 2010.
- [122] Burduk, R. A partition of feature space in recognition task with fuzzy observations. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec and Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 55-60.
- [123] Burduk, R. Randomness and fuzziness in bayes multistage classifier. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 6076 (2010).
- [124] Burduk, R. Some characteristics of an error in the two-class problem with fuzzy observations. In Proceedings of the 2010 10th International Conference on Intelligent Systems Design and Applications, ISDA' 10 [Dokument elektroniczny], November 29 December 1, 2010, Cairo, Egypt / eds. Aboul Ella Hassanien [i in.Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 1001–1004.
- [125] Burduk, R. Costs-sensitive classification in multistage classifier with fuzzy observations of object features. In Hybrid artificial intelligent systems: 6th International Conference, HAIS 2011, Wroclaw, Poland, May 23-25, 2011: proceedings. Pt. 2 / Emilio Corchado, Marek Kurzynski, Michal Wozniak (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 245-252.
- [126] Burduk, R. Estimations of the error in bayes classifier with fuzzy observations. In Computational collective intelligence: technologies and applications: Third International Conference, ICCCI 2011, Gdynia, Poland, September 21-23, 2011: proceedings. Pt. 1 / Piotr Jedrzejowicz, Ngoc Thanh Nguyen, Kiem Hoang (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 123-131.
- [127] BURDUK, R. Selection of classifier in acute abdominal pain diagnosis with decision tree model. Journal of Medical Informatics & Technologies 17 (2011).
- [128] Burduk, R. Some properties of binary classifier with fuzzy-valued loss function. In Computer recognition systems 4 / Robert Burduk [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011.s. 219-225,1 rys., bibliogr. 12 poz., vol. nr 95 of Advances in Intelligent and Soft Computing. 2011.
- [129] Burduk, R. Comparison of cost for zero-one and stage-dependent fuzzy loss function. In Intelligent information and database systems: 4th Asian Conference, ACIIDS 2012, Kaohsiung, Taiwan, March 19-21, 2012: proceedings. Pt. 1 / Jeng-Shyang Pan, Shyi-Ming Chen, Ngoc Thanh Nguyen (eds.). Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 385-392.
- [130] Burduk, R. Imprecise information in bayes classifier. Pattern Analysis and Applications 15, 2 (2012).
- [131] Burduk, R. New adaboost algorithm based on interval-valued fuzzy sets. In Intelligent data engineering and automated learning IDEAL 2012: 13th International Conference, Natal, Brazil, August 29-31, 2012: proceedings / eds. Hujun Yin, Jose A. F. Costa, Guilherme Barreto.Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 794–801.
- [132] Burduk, R. On the bounds on optimal bayes error in the task of multiple data sources. In Image processing and communications challanges 4 / Ryszard S. Choras (ed.).Berlin; Heidelberg: Springer, cop. 2013 (dr. 2012).s. 201-208,3 rys., bibliogr. 20 poz., vol. nr 184 of Advances in Intelligent Systems and Computing. 2012.

- [133] Burduk, R. Recognition task with feature selection and weighted majority voting based on interval-valued fuzzy sets. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.).Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 204-209.
- [134] Burduk, R. Classifier fusion with interval-valued weights. Pattern Recognition Letters 34, 14 (2013).
- [135] BURDUK, R. Komputerowe systemy rozpoznawania wykorzystujace nieprecyzyjna reprezentacje wiedzy. Oficyna Wydawnicza Politechniki Wroclawskiej, Wroclaw, 2013.
- [136] Burduk, R. The method of improving the structure of the decision tree given by the experts. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.).Cham [i in.]: Springer, cop. 2013., 6 (2013), Advances in Intelligent Systems and Computing, pp. 161–167.
- [137] Burduk, R. The adaboost algorithm with the imprecision determine the weights of the observations. In *Intelligent Information and Database Systems: 6th Asian Conference*, ACHDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 2 / Ngoc Thanh Nguyen [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 5 (2014), Lecture Notes in Computer Science., pp. 110–116.
- [138] Burduk, R. The proposal of calculation classifier weights for an assembly of classifiers. Journal of Medical Informatics & Technologies 23 (2014).
- [139] Burduk, R. Active learning algorithm using the decision profile. Tech. Rep. nr 39, 2015.
- [140] Burduk, R. An active learning system and drift detection method using the decision profile. Tech. Rep. nr 109, 2015.
- [141] Burduk, R. Method of static classifiers selection using the weights of base classifiers. In Soft computing in computer and information science / Antoni Wilinski, Imed El Fray, Jerzy Pejas (eds.). Cham [i in.]: Springer, cop. 2015., 7 (2015), Advances in Intelligent Systems and Computing, pp. 85–94.
- [142] Burduk, R. Discriminant function selection in binary classification task. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 6 (2016), Advances in Intelligent Systems and Computing, pp. 265–273.
- [143] Burduk, R. Active learning algorithm using the discrimination function of the base classifiers. In *Image Processing and Communications Challenges 8: 8th International Conference, IP&C 2016, Bydgoszcz, Poland, September 2016: proceedings / Ryszard S. Choras (ed.).[Cham]: Springer, cop. 2017., 6 (2017), Advances in Intelligent Systems and Computing, pp. 120–127.*
- [144] Burduk, R. Dynamic confidence values selection experimental studies. In IEEE 4th International Conference on Soft Computing and Machine Intelligence, ISCMI 2017, November 23-24, 2017, Republic of Mauritius. Mauritius: Institute of Electrical and Electronics Engineering, Inc.; Danvers, MA: IEEE, cop. 2017., 3 (2017), pp. 169-172.
- [145] Burduk, R. Integration base classifiers based on their decision boundary. In Artificial intelligence and soft computing: 16th International Conference, ICAISC 2017, Zakopane, Poland, June 11-15, 2017: proceedings. Pt. 2 / Leszek Rutkowski, Marcin Korytkowski, Rafal Scherer, Ryszard Tadeusiewicz, Lotfi A. Zadeh, Jacek M. Zurada (eds.).[Cham]: Springer, cop. 2017., 6 (2017), Lecture Notes in Computer Science., pp. 13-20.

- [146] Burduk, R. The adaboost algorithm with linear modification of the weights. In Image Processing and Communications Challenges 9: 9th International Conference, IP&C 2017, Bydgoszcz, Poland, September 2017: proceedings / Michal Choras, Ryszard S. Choras (eds.).[Cham]: Springer, cop. 2018., 5 (2018), Advances in Intelligent Systems and Computing, pp. 82–87.
- [147] BURDUK, R. Drift detection algorithm using the discriminant function of the base classifiers. In Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).[Cham]: Springer, cop. 2018., 6 (2018), Advances in Intelligent Systems and Computing, pp. 491–498.
- [148] Burduk, R., and Cyganek, B. Decomposition of learning set and selection of classifiers in complex pattern recognition task. Tech. Rep. nr 6, 2012.
- [149] Burduk, R., and Heda, P. Dynamic ensemble selection using discriminant functions and normalization between class labels approach to binary classification. In Artificial intelligence and soft computing: 15th International Conference, ICAISC 2016, Zakopane, Poland, June 12 16, 2016: proceedings. Pt. 1 / Leszek Rutkowski [i in.] (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science., pp. 563-570.
- [150] Burduk, R., and Heda, P. Ensemble of classifiers with modification of confidence values. In Computer information systems and industrial management: 15th IFIP TC8 International Conference, CISIM 2016, Vilnius, Lithuania, September 14-16, 2016: proceedings / Khalid Saeed, Władysław Homenda (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science, pp. 473-480.
- [151] Burduk, R., and Heda, P. Homogeneous ensemble selection experimental studies. In Hard and soft computing for artificial intelligence, multimedia and security / Shin-ya Kobayashi, Andrzej Piegat, Jerzy Pejas, Imed El Fray, Janusz Kacprzyk (Eds.). Cham: Springer, cop. 2017., 7 (2017), Advances in Intelligent Systems and Computing, pp. 58-67.
- [152] BURDUK, R., JACKOWSKI, K., KURZYNSKI, M., WOZNIAK, M., AND ZOLNIEREK, A., Eds. Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 (2013), Advances in Intelligent Systems and Computing, Springer, Cham [in.].
- [153] BURDUK, R., JACKOWSKI, K., KURZYNSKI, M., WOZNIAK, M., AND ZOLNIEREK, A., Eds. Proceedings of the 9th International Conference on Computer Recognition Systems: CORES 2015 (2016), Advances in Intelligent Systems and Computing, Springer, [Cham].
- [154] Burduk, R., Jackowski, K., and Wozniak, M. Integrated system merging the knowledge of different medical and technological disciplines wrovasc project. *Journal of Medical Informatics & Technologies 14* (2010).
- [155] BURDUK, R., AND JANIAK, W. Zastosowanie klasyfikatora wieloetapowego oraz zbiorow rozmytych w diagnostyce medycznej. Tech. Rep. nr 3, 2009.
- [156] Burduk, R., Janiak, W., and Piszczalka, Z. Error bounds in multistage classifiers experimental results. Tech. Rep. nr 6, 2008.
- [157] BURDUK, R., AND JANUSZKIEWICZ, R. Zastosowania klasyfikatora wieloetapowego oraz metody bootstrap w diagnostyce medycznej. Tech. Rep. nr 2, 2009.
- [158] Burduk, R., Januszkiewicz, R., and Tomczyk, H. Fuzzy loss function in multistage classifier - experimental and practical results. Tech. Rep. nr 7, 2008.

- [159] Burduk, R., and Kasprzak, A. A. The concept of classifier selection in multistage classification task. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 38-42.
- [160] Burduk, R., and Kasprzak, A. A. Costs-sensitive classification in two-stage binary classifier. In *Image processing and communications challanges 3 / Ryszard S. Choras* (ed.).Berlin; Heidelberg: Springer, cop. 2011.s. 235-241,bibliogr. 11 poz., vol. vol. 102 of Advances in Intelligent and Soft Computing. 2011.
- [161] Burduk, R., and Kasprzak, A. A. Developing new supervised and semisupervised drift detection algorithms and their evaluation for different types of drifts. experimental analysis of results and recommendation. Tech. Rep. nr 69, 2016.
- [162] Burduk, R., Kasprzak, A. A., Kurzynski, M., Markowski, M., Ryba, P., Walkowiak, K., and Wozniak, M. Conception of the expert system for the wrovasc project. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 114-119.
- [163] Burduk, R., and Krawczyk, B. Automatic detection and counting of platelets in microscopic image. *Journal of Medical Informatics & Technologies 16* (2010).
- [164] Burduk, R., and Kurzynski, M. Two-stage binary classifier with fuzzy-valued loss function. Pattern Analysis and Applications 9, 4 (2006).
- [165] BURDUK, R., KURZYNSKI, M., WOZNIAK, M., AND ZOLNIEREK, A., Eds. Computer recognition systems 4 (2011), Advances in Intelligent and Soft Computing, Springer, Berlin.
- [166] ВURDUK, R., РТАК, W., AND RADOMSKI, M. System eksperymentowania do oceny jakosci klasyfikacji w rozpoznawaniu wieloetapowym z rozmytymi obserwacjami. Tech. Rep. nr 4, 2009.
- [167] BURDUK, R., AND TRAJDOS, P. S. Construction of sequential classifier based on broken stick model. In Hybrid artificial intelligent systems: 8th international conference, HAIS 2013, Salamanca, Spain, September 11-13, 2013: proceedings / Jeng-Shyang Pan [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013., 6 (2013), Lecture Notes in Computer Science., pp. 132–139.
- [168] Burduk, R., and Trajdos, P. S. Construction of sequential classifier using confusion matrix. In Computer information systems and industrial management: 12th IFIP TC8 International Conference, CISIM 2013, Krakow, Poland, September 25-27, 2013: proceedings / Khalid Saeed [i in.] (eds.). Heidelberg [i in.]: Springer, 2013., 5 (2013), Lecture Notes in Computer Science, pp. 401-407.
- [169] BURDUK, R., AND TRAJDOS, P. S. Experimental studies of sequential classifier with the split criteria based on the confusion matrix. Tech. Rep. nr 1, 2013.
- [170] Burduk, R., and Trajdos, P. S. Construction of sequential classifier based on macarthur's overlapping niches model. In *Image processing and communications chal*langes 5 / Ryszard S. Choras (ed.). Cham [i in.]: Springer, cop. 2014.s. 255-262,6 tab., bibliogr. 23 poz.0,6, vol. vol. 233 of Advances in Intelligent Systems and Computing. 2014.
- [171] Burduk, R., and Walkowiak, K. Concept of use the weighted bootstrap method for fuzzy data in multistage classifier. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan.Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 148–151.

- [172] Burduk, R., and Walkowiak, K. Method of static classifiers selection working in distributed computing systems. Tech. Rep. nr 5, 2014.
- [173] Burduk, R., and Walkowiak, K. Static classifier selection with interval weights of base classifiers. In *Intelligent Information and Database Systems: 7th Asian Conference*, ACHDS 2015, Bali, Indonesia, March 23-25, 2015: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Bogdan Trawinski, Raymond Kosala (eds.).Cham [i in.]: Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science., pp. 494-502.
- [174] Burduk, R., and Wozniak, M. Bayes multistage classifier and boosted c4.5 algorithm in acute abdominal pain diagnosis. In *Man-machine interactions / Krzysztof A. Cyran fi in.] (eds.).Berlin ; Heidelberg : Springer, cop. 2009.s. 371-378,1 rys., 1 tab., bibliogr. 21 poz.*, vol. nr 59 of *Advances in Intelligent and Soft Computing.* 2009.
- [175] BURDUK, R., AND WOZNIAK, M. Different decision tree induction strategies for a medical decision problem. Central European Journal of Medicine 7, 2 (2012).
- [176] Burduk, R., Wozniak, M., and Gorczyca, M. Heuristic decision trees and classifiers obtained via c4.5 and boosted c4.5 procedure - comparative study for medical decision problem. Tech. Rep. nr 1, 2009.
- [177] Burduk, R., and Zmyslony, M. Decomposition of classification task with selection of classifiers on the medical diagnosis example. In *Hybrid artificial intelligent systems: 7th international conference, HAIS 2012, Salamanca, Spain, March 28-30, 2012: proceedings. Pt. 2 / eds. Emilio Corchado [i in.].Berlin: Springer, 2012.vol. 7209, s. 569-577 (2012), Lecture Notes in Computer Science.*
- [178] BURNHAM, K. J., KOSZALKA, L., RUDEK, R., AND SKWORCOW, P., Eds. Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 (2014), Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, [Wroclaw.
- [179] Cal, P., and Wozniak, M. Drift detection and model selection algorithm. In Hybrid artificial intelligent systems: 7th international conference, HAIS 2012, Salamanca, Spain, March 28-30, 2012: proceedings. Pt. 2 / eds. Emilio Corchado [i in.]. Berlin: Springer, 2012. (2012), Lecture Notes in Computer Science., pp. 558-568.
- [180] Cal, P., and Wozniak, M. Data preprocessing with gpu for dbscan algorithm. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.). Cham [i in.]: Springer, cop. 2013., 6 (2013), Advances in Intelligent Systems and Computing, pp. 793–801.
- [181] Cal, P., and Wozniak, M. Parallel hoeffding decision tree for streaming data. In Distributed computing and artificial intelligence: 10th International Conference / Sigieru Omatu [i in.] eds. Cham [i in.]: Springer, cop. 2013., 6 (2013), Advances in Intelligent Systems and Computing, pp. 27–35.
- [182] Chaszczewska-Markowska, M., Kozlowski, R., and Markowski, M. Modeling the impact of marketing strategy on blood donors' number. In *Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2009.* (2009), Acta MOSIS, pp. 165–171.
- [183] Chmaj, G. Dynamic channel allocation in mobile cellular networks. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 269–177.

- [184] Chmaj, G. Optymalizacja przepływow danych w publicznych systemach obliczen rozproszonych. PhD thesis, 2009.
- [185] Chmaj, G., and Koszalka, L. Relaxed mutual exclusion in dynamic channel allocations used in mobile cellular networks. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 29–38.
- [186] Chmaj, G., and Koszalka, L. Quantization applied to 2d shape arrangement problem. In Modelling and simulation of systems. Proceedings of the [40th] conference, [Prerov, Czech Republic, April 25-27, 2006] / Ed. J. Stefan.Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 209-215.
- [187] Chmaj, G., and Koszalka, L. Quantization with knowledge base applied to geometrical nesting problem. In Eighteenth International Conference on Systems Engineering. ICSE '2006. Proceedings, Coventry, UK, 5-7 September 2006 / Eds K. J. Burnham and O. C. L. Haas. Coventry: Coventry University, cop. 2006. (2006), pp. 71-76.
- [188] Chmaj, G., and Koszalka, L. Quantization with knowledge base in minimum rectangle algorithm applied to nesting problem. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 21–30.
- [189] Chmaj, G., Pozniak-Koszalka, I., and Kasprzak, A. A. A knowledge based system for minimum rectangle nesting. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence [Dokument elektroniczny] 5711 (2009).
- [190] Chmaj, G., and Walkowiak, K. Heuristic algorithm for optimization of p2p-based public-resource computing systems. Lecture Notes in Computer Science 5375 (2008).
- [191] Chmaj, G., and Walkowiak, K. Preliminary study on optimization of data distribution in resource sharing systems. In 19th International Conference on Systems Engineering, ICSEng 2008: proceedings, Las Vegas, Nevada, 19-21 August 2008 / ed. by Henry Selvaraj and Mariusz Rawski.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 276-281.
- [192] Chmaj, G., and Walkowiak, K. Heuristic algorithm for optimization of peer-to-peer computing systems. In 16th Polish Teletraffic Symposium, [Lodz, Poland, September 24-25, 2009]. Lodz: Technical University of Lodz, [2009]. (2009), pp. 27-30.
- [193] Chmaj, G., and Walkowiak, K. Peer-to-peer versus unicast. In Proceedings of the 4th International Conference on Broadband Communication, Information Technology & Biomedical Applications, BroadBandCom '09 [Dokument elektroniczny]: conference proceedings, 15th-18th, July, 2009, Wrocław, Poland.Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, cop. 2009. (2009), pp. 1–7.
- [194] Chmaj, G., and Walkowiak, K. Random approach to optimization of overlay public-resource computing systems. *International Journal of Electronics and Telecommunications* 56, 1 (2010).
- [195] Chmaj, G., and Walkowiak, K. Decision strategies for p2p computing system. *Journal of Universal Computer Science 18*, 5 (2012).
- [196] Chmaj, G., and Walkowiak, K. A p2p computing system for overlay networks. Future Generation Computer Systems 29, 1 (2013).

- [197] CHMAJ, G., WALKOWIAK, K., TARNAWSKI, M., AND KUCHARZAK, M. Heuristic algorithms for optimization of task allocation and results distribution in peer-to-peer computing systems. *International Journal of Applied Mathematics and Computer Science* 22, 3 (2012).
- [198] Chmaj, G., and Zydek, D. Software development approach for discrete simulators. In ICSEng 2011: [21st] International Conference on Systems Engineering: proceedings, 16-18 August, 2011, Las Vegas, Nevada / ed. by Henry Selvaraj and Dawid Zydek.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2011. (2011), pp. 273–278.
- [199] Chmaj, G., Zydek, D., and Koszalka, L. Allocation algorithms problems in mesh-connected systems. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 279–186.
- [200] Chmaj, G., Zydek, D., and Koszalka, L. Comparison of task allocation algorithms for mesh-structured systems. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 39–50.
- [201] CHORAS, M., AND WOZNIAK, M. Concept drift analysis for improving anomaly detection systems in cybersecurity. In Advances in Cybersecurity 2017 [Dokument elektroniczny] / Igor Bernik, Blaz Markelj, Simon Vrhovec (eds.).Slovenia: University of Maribor Press, cop. 2017.s. 35-42,4 rys., bibliogr. 19 poz.0,7. 2017.
- [202] Chrostowski, M. Badanie efektywności dzialania mechanizmow quality of service dostepnych w systemie linux. In Człowiek cywilizacja przyszłośc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 2. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 399–404.
- [203] Chrostowski, M., and Kasprzak, A. A. Investigation of efficiency quality of services mechanisms available in linux system. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2008]. (2008), pp. 116-127.
- [204] Chrostowski, M., and Koszalka, L. Traffic shaping algorithms under linux system control. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 30-37.
- [205] Chudala, P. Analiza efektywności algorytmow alokacji first fit oraz adaptive scan w sieciach o topologii siatki. In Człowiek cywilizacja przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 83–88.
- [206] Chudala, P., and Koszalka, L. The analysis of efficiency of the first fit and adaptive scan allocation algorithms in mesh topology networks. In *Proceedings of the 23rd IAR Workshop on Advanced Control and Diagnosis 2008 [Dokument elektroniczny], Coventry, 27-28 November 2008 / eds Keith J. Burnham & Jens G. Linden; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2008]. (2008)*, pp. 392–397.

- [207] CICHOSZ, J. On some method of learning based on series expansion. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 377–381.
- [208] Cichosz, J. An introduction to system identyfication. Wroclaw University of Technology ;, Wroclaw:, 2011.
- [209] CICHOSZ, J., AND KURZYNSKI, M. Cardio environment for computer-aided learning and testing of interpretation of ecg signals. In Computers in medical activity / Edward Kacki, Marek Rudnicki, Joanna Stempczynska (eds.).Berlin; Heidelberg: Springer, cop. 2009.s. 137-145,6 rys., 2 tab., bibliogr. 18 poz., vol. nr 65 of Advances in Intelligent and Soft Computing. 2009.
- [210] CYGANEK, B. Rownolegle uczenie klasyfikatora wieloliniowego dla danych strumieniowych - algorytmy, ich komputerowa implementacja oraz ocena eksperymentalna. Tech. Rep. nr 22, 2014.
- [211] CYGANEK, B. Opracowanie metody konstrukcji zespolu klasyfikatorow tensorowych dla danych strumieniowych. Tech. Rep. nr 35, 2015.
- [212] CYGANEK, B. Opracowanie oraz analiza efektywnej obliczeniowo metody przetwarzania tensorowego dla strumieni danych. Tech. Rep. nr 55, 2016.
- [213] CYGANEK, B. Opracowanie oraz analiza algorytmu detekcji dryftu w strumieniowych danych tensorowych. Tech. Rep. nr 6, 2017.
- [214] CYGANEK, B., GRANA, M., KASPRZAK, A. A., WALKOWIAK, K., AND WOZNIAK, M. Selected aspects of electronic health record analysis from the big data perspective. In 2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2015) [Dokument elektroniczny]: Washington D.C., Nov 9-12, 2015 / eds. Jun (Luke) Huan [in.]. Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 1391-1396.
- [215] CYGANEK, B., GRANA, M., KRAWCZYK, B., KASPRZAK, A. A., PORWIK, P., WALKOWIAK, K., AND WOZNIAK, M. A survey of big data issues in electronic health record analysis. Applied Artificial Intelligence 30, 6 (2016).
- [216] CYGANEK, B., AND KRAWCZYK, B. Data classification with ensembles of one-class support vector machines and sparse nonnegative matrix factorization. In *Intelligent Information* and Database Systems: 7th Asian Conference, ACHDS 2015, Bali, Indonesia, March 23-25, 2015: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Bogdan Trawinski, Raymond Kosala (eds.). Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science., pp. 526-535.
- [217] CYGANEK, B., KRAWCZYK, B., AND WOZNIAK, M. One-class classification using feature space partitioning. Tech. Rep. nr 5, 2012.
- [218] CYGANEK, B., KRAWCZYK, B., AND WOZNIAK, M. Multidimensional data classification with chordal distance based kernel and support vector machines. *Engineering Applications* of Artificial Intelligence 46 (2015).
- [219] CYGANEK, B., AND WOZNIAK, M. Pixel-based object detection and tracking with ensemble of support vector machines and extended structural tensor. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.). Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 104-113.

- [220] CYGANEK, B., AND WOZNIAK, M. A framework for image analysis and object recognition in industrial applications with the ensemble of classifiers. In *Proceedings of 2013 IEEE 18th International Conference on Emerging Technologies & Factory Automation, ETFA 2013, September 10-13, 2013, Cagliari, Italy. Piscataway, NJ: IEEE, cop. 2013.*, 3 (2013), pp. 1–4.
- [221] CYGANEK, B., AND WOZNIAK, M. Vehicle logo recognition with an ensemble of classifiers. In Intelligent Information and Database Systems: 6th Asian Conference, ACIIDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 2 / Ngoc Thanh Nguyen [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Lecture Notes in Computer Science., pp. 117–126.
- [222] CYGANEK, B., AND WOZNIAK, M. An improved vehicle logo recognition using a classifier ensemble based on pattern tensor representation and decomposition. *New Generation Computing* 33, 4 (2015).
- [223] CYGANEK, B., AND WOZNIAK, M. Tensor based representation and analysis of the electronic healthcare record data. In 2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2015) [Dokument elektroniczny]: Washington D.C., Nov 9-12, 2015 / eds. Jun (Luke) Huan [i in.].Piscataway, NJ: IEEE, cop. 2015., 6 (2015), pp. 1383-1390.
- [224] CYGANEK, B., AND WOZNIAK, M. Efficient computation of the tensor chordal kernels. Procedia Computer Science [Dokument elektroniczny] 80 (2016).
- [225] CYGANEK, B., AND WOZNIAK, M. Efficient multidimensional pattern recognition in kernel tensor subspaces. In *Data Mining and Big Data: First International Confer*ence, DMBD 2016, Bali, Indonesia, June 25-30, 2016: proceedings / Ying Tan, Yuhui Shi (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science, pp. 529-537.
- [226] Cyganek, B., and Wozniak, M. Exploiting data parallelism for efficient classification of multi-dimensional patterns. In 2016 International Conference on Computational Science and Computational Intelligence, CSCI 2016, Las Vegas, Nevada, USA, 15-17 December 2016 / ed. by Hamid R. Arabnia, Leonidas Deligiannidis, Mary Yang.Danvers, MA: IEEE, 2016., 4 (2016), pp. 561–566.
- [227] CYGANEK, B., AND WOZNIAK, M. Efficient real-time background detection based on the pca subspace decomposition. In Artificial intelligence and soft computing: 16th International Conference, ICAISC 2017, Zakopane, Poland, June 11-15, 2017: proceedings. Pt. 1 / Leszek Rutkowski, Marcin Korytkowski, Rafal Scherer, Ryszard Tadeusiewicz, Lotfi A. Zadeh, Jacek M. Zurada (eds.).[Cham]: Springer, cop. 2017., 8 (2017), Lecture Notes in Computer Science., pp. 485-496.
- [228] CYGANEK, B., AND WOZNIAK, M. Tensor-based shot boundary detection in video streams. New Generation Computing 35, 4 (2017).
- [229] CYGANEK, B., AND WOZNIAK, M. A tensor framework for data stream clustering and compression. In *Image Analysis and Processing ICIAP 2017 : 19th International Conference, Catania, Italy, September 11-15, 2017, proceedings. Pt. I / S. Batiato, G. Gallo, R. Schettini, F. Stanco (eds.).[Cham] : Springer, cop. 2017., 7 (2017), Lecture Notes in Computer Science, pp. 163–173.*
- [230] CYGANEK, B., AND WOZNIAK, M. Virtual high dynamic range imaging for underwater drone navigation. In The 6th IIAE International Conference on Industrial Application Engineering 2018, ICIAE 2018 [Dokument elektroniczny]: Okinawa, Japan, March 27-31, 2018: proceedings /[B.m.]: Institute of Industrial Applications Engineers, cop. 2018., 4 (2018), pp. 393-398.

- [231] Cyganek, B., Wozniak, M., and Jankowski, D. Ensemble of hosvd generated tensor subspace clasiffier with optimal tensor flattering directions. In *Hybrid artificial intelligent systems: 11th International Conference, HAIS 2016, Seville, Spain, April 18-20, 2016: proceedings / Francisco Martinez-Alvarez [i in.] (eds.).[Cham]: Springer, cop. 2016., 9 (2016), Lecture Notes in Computer Science., pp. 560-571.*
- [232] CZAJA, S., PUCHALA, E., STEFANIAK, J., AND WOZNIAK, M. Kierunki i uwarunkowania wykorzystania srodkow Funduszu Ochrony Srodowiska i Gospodarki Wodnej przez beneficjentow w wojewodztwie dolnoslaskim. Praca zbiorowa. ""Wspolnota Akademicka"", Legnica, 2003.
- [233] Czajka, B., and Kabaj, A. Komputerowy system eksperymentowania mesms2 do testowania heurystycznych algorytmow szeregowania zadan. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 125-130.
- [234] CZAJKA, B., AND POZNIAK-KOSZALKA, I. Comparison of scheduling algorithms in multiprocessor systems using multilevel experimentation system. In Proceedings of the 16th International Conference on Systems Science, Wroclaw, Poland, 4-6 September 2007. Vol. 2 / Ed. Adam Grzech. Wroclaw: Oficyna Wydaw. PWroc., 2007. (2007), pp. 49–58.
- [235] Czajka, B., and Pozniak-Koszalka, I. Experimentation system mesms2 for testing scheduling algorithms in multi-queuing and multi-processor systems. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 178–185.
- [236] Czajka, B., and Pozniak-Koszalka, I. Evaluation of tasks scheduling algorithms in multi-core and multi-queuing environments using system mesms2. In *The Fourth International Conference on Systems, (ICONS 2009) [Dokument elektroniczny], Gosier, Guadeloupe/France, 1-6 March 2009 / eds Raimund Ege [i in.Los Alamitos i in.] : IEEE Computer Society [Press], cop. 2009.* (2009), pp. 17–22.
- [237] Czajka, B., and Pozniak-Koszalka, I. Scheduling in multi-processor computer systems various scenario simulations. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 36–44.
- [238] Delebis, P., Kmiecik, W. H., Walkowiak, K., and Rak, J. Optymalizacja przepływow anycast oraz unicast w przezywalnych sieciach komputerowych z wykorzystaniem przeszukiwania tabu. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 8/9 (2013).
- [239] DOLATA, B., AND KMIECIK, W. H. Projekt i wykonanie strony internetowej dla w4k2. Tech. Rep. nr 1, 2012.
- [240] Doshi, N., Krawczyk, B., and Schaefer, G. Trained ensemble classification of texture features for nailfold capillaroscopy pattern recognition. In *International Conference on Medical Imaging using Bio-inspired and Soft Computing, MIBISOC '2013 [Dokument elektroniczny]: 15-17 May, 2013, Brussels (Belgium).Mieres, Asturias: European Centre for Soft Computing, [2013]., 5 (2013), pp. 213–218.*
- [241] Doshi, N., Krawczyk, B., Schaefer, G., and Merla, A. Automatic detection of scleroderma patterns in nailfold capillaroscopy images. In *Medical image understanding*

- and analysis [Dokument elektroniczny]: proceedings of the 17th Conference on Medical Image Understanding and Analysis, 17th-19th July 2013, Birmingham, UK / eds. Ela Claridge, Andrew D. Palmer, William T. E. Pitkeathly.[B.m.]: BMVA, cop. 2013., 5 (2013), pp. 79–84.
- [242] Dziergwa, J., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Iwo based adaptive algorithm for packet scheduling problem. In *InfoWare 2015 [Dokument elektroniczny]: The Eleventh International Conference on Wireless and Mobile Communications, ICWMC 2015, October 11-16, 2015, St. Julians, Malta / eds. Carlos Becker Westphall [i in.][B.m.]: IARIA, cop. 2015., 4 (2015), pp. 61–65.*
- [243] ELLINAS, G., PAPADIMITRIOU, D., RAK, J., STAESSENS, D., STERBENZ, J. P., AND WALKOWIAK, K. Practical issues for the implementation of survivability and recovery techniques in optical networks. Optical Switching and Networking. 2014, 14 (2014).
- [244] Fedczyszyn, G., Koszalka, L., and Pozniak-Koszalka, I. Opponent modeling in texas hold'em poker. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.).Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 182–191.
- [245] FILIPCZUK, P., KRAWCZYK, B., AND WOZNIAK, M. Classifier ensemble for an effective cytological image analysis. Pattern Recognition Letters 34, 14 (2013).
- [246] FOSZCZYNSKI, M., ADAMCZYK, M., MUSIAL, K., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Mobile ad-hoc networks. In GlobeNet 2011: The Tenth International Conference on Networks, ICN 2011 [Dokument elektroniczny]: January 23-28, 2011, St. Maarten, The Netherlands Antilles / eds. Pascal Lorenz, Tibor Gyires, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2011. (2011), pp. 206-211.
- [247] Franz, P., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Static task allocation algorithms in mesh networks: an experimentation system and analysis of properties. In *InfoWare 2012 [Dokument elektroniczny]: The Seventh International Multi-Conference on Computing in the Global Information Technology, ICCGI 2012, June 24-29, 2012, Venice, Italy / eds. John Terzakis, Mirela Danubianu.[B.m.]: IARIA, cop. 2012.* (2012), pp. 169–174.
- [248] FURDEK, M., WOSINSKA, L., GOSCIEN, R. J., MANOUSAKIS, K., AIBIN, M., WALKOWIAK, K., RISTOV, S., GUSHEV, M., AND MARZO, J. L. An overview of security challenges in communication networks. In Proceedings of 2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), September 13-15, 2016, Halmstad, Sweden / Magnus Jonsson, Jacek Rak, Arun Somani, Dimitri Papadimitriou, Alexey Vinel (eds.). Danvers, MA: IEEE, cop. 2016., 6 (2016), pp. 43-50.
- [249] Furgala, J., Krawczyk, B., Jelen, L., and Detyna, J. Classification of pores in the anterior surface of the contact lenses using pattern recognition methods. In Biomechanics 2012: International Conference of the Polish Society of Biomechanics: 30th Anniversary Meeting of the Polish Biomechanics, Bialystok, 16-19 September 2012: book of abstracts / ed. by Romuald Bedzinski, Eugeniusz Sajewicz, Szczepan Piszczatowski.Bialystok: Oficyna Wydawnicza Politechniki Bialostockiej, 2012. (2012), pp. 83-84.
- [250] GACEK, A., KURZYNSKI, M., KUBLER, A., WOZNIAK, M., GIBINSKI, P., GOZDZIK, W., SMIECHOWICZ, J., BADURA, G., AND CZERW, M. Telemetric early warning hospital system. In SYMBIOSIS 2008: IX International Conference: proceedings, Kamien Slaski, Poland, 11-13 June 2008. [Brno: Vysoke uceni technicke, 2008]. (2008), pp. 72–74.

- [251] GADEK, L., BURNHAM, K. J., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. The correction plane approach retrospective based enhancement of a predictive controller. In 10th European Workshop on Advanced Control and Diagnosis (ACD 2012) [Dokument elektroniczny]: Copenhagen, Denmark, 8-9 November 2012 / Technical University of Denmark. [B.m.: b.w., 2012]. (2012), pp. 1-6.
- [252] Gadek, L., Burnham, K. J., and Pozniak-Koszalka, I. Controlling a non-linear system bilinear approach vs innovative heuristic linearisation method. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 0 (2014), pp. 81-94.
- [253] GADEK, L., KOSZALKA, L., AND BURNHAM, K. J. The compensation of n-th order bilinearity applied with model based controller. In Progress in systems engineering: proceedings of the Twenty-Third International Conference on Systems Engineering / Henry Selvaraj, Dawid Zydek, Grzegorz Chmaj (eds.). Cham [i in.]: Springer, cop. 2015 (dr. 2014)., 5 (2014), Advances in Intelligent Systems and Computing, pp. 49–54.
- [254] GADEK, L., KOSZALKA, L., AND BURNHAM, K. J. Computation of equivalent poles placement for class of 2nd order discrete bilinear system. *Journal of Physics. Conference* Series 659, 1 (2015).
- [255] GADEK, L., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Path finding in a terrain with obstacles. In Proceedings of IASTED 2012 African Conferences [Dokument elektroniczny]: Modelling and Simulation (AfricaMS 2012), September 3-5, 2012 Gaborone, Botswana / ed. F.J. Ogwu.Anaheim [i in.]: Acta Press, cop. 2012. (2012), pp. 229-236.
- [256] GAJEWSKI, K., AND WOZNIAK, M. Performance evaluation of hybrid implementation of support vector machine. In *Intelligent data engineering and automated learning IDEAL 2012: 13th International Conference, Natal, Brazil, August 29-31, 2012: proceedings / eds. Hujun Yin, Jose A. F. Costa, Guilherme Barreto.Berlin; Heidelberg: Springer, cop. 2012.* (2012), Lecture Notes in Computer Science, pp. 779–786.
- [257] GAWRYSZUK, A. Simulation of genetic algorithm for solving transportation problem. In New trends in system simulation. Proceedings of the International Winter Workshop, [Krnov, Czech Republic, February 25-26, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 75-80.
- [258] GEGA, K., AND JASKOW, M. Porownanie algorytmow rozwiazujących binarne zagadnienie plecakowe. In Człowiek - cywilizacja - przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wroclaw, 17-19 maja 2004. T. 2. Wroclaw: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wroclawskiej. Prace Studentow Politechniki Wroclawskiej, pp. 287–294.
- [259] GEGA, K., JASKOW, M., AND POZNIAK-KOSZALKA, I. A comparison of algorithms solving binary knapsack problem. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 61-70.
- [260] GEGA, K., AND KASPRZAK, A. A. Gprs and umts testing support application. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 38-45.

- [261] Gladysz, J. Optymalizacja wybranych parametrow sieci mpls over dwdm z zastosowaniem przeplywow typu anycast. In Interdyscyplinarnosc badan naukowych 2010 [Dokument elektroniczny]: praca zbiorowa / pod red. Jaroslawa Szreka. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2010.s. 125-128,2 rys., 1 tab., bibliogr. 5 poz. 2010.
- [262] GLADYSZ, J. Optimization of survivable mpls over dwdm architecture for unicast and anycast flows. In 4th International Interdisciplinary Technical Conference of Young Scientists, InterTech 2011, 18-20 May 2011, Poznan, Poland: proceedings / ed. by Bartosz Bursa, Karolina Ostrowska. Poznan: Uczelniany Samorzad Doktorantow Politechniki Poznanskiej, 2011. (2011), pp. 131-135.
- [263] Gladysz, J. Podwyzszanie niezawodności sieci komputerowych z zastosowaniem przepływow anycast. In Interdyscyplinarnośc badan naukowych 2011 [Dokument elektroniczny]: praca zbiorowa / pod red. Jaroslawa Szreka. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2011.s. 139-142,1 tab., bibliogr. 5 poz., Summ. 2011.
- [264] GLADYSZ, J. Zastosowanie transmisji anycast do poprawy wybranych parametrow sieci komputerowych. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 10 (2011).
- [265] GLADYSZ, J., AND KWIECIEN, K. Algorytm heurystyczny wyznaczajacy dopuszczalne rozwiazanie problemu cfa dla przepływow unicast i anycast. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1.Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 113-118.
- [266] GLADYSZ, J., AND SZELAGOWSKI, J. Power over ethernet specyfikacja ieee 802.3af. In Człowiek - cywilizacja - przyszłosc. IV Konferencja Naukowa Studentow. Referaty, Wroclaw, 22-24 maja 2006. T. 1. Wrocław: Oficyna Wydaw. PWroc., 2006., Summ. (2006), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 31-36.
- [267] GLADYSZ, J., AND WALKOWIAK, K. Branch-and-bound algorithm for simultaneously unicast and anycast routing in cfa problem. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 108-115.
- [268] GLADYSZ, J., AND WALKOWIAK, K. Lagrangean relaxation for unicast and anycast routing and capacity assignment in computer networks with budget constraint. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 67-72.
- [269] GLADYSZ, J., AND WALKOWIAK, K. Analysis of cut inequalities for the uncapacitated network design problem with simultaneous unicast and anycast flows. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan. Ostrava : MARQ, 2009. (2009), Acta MOSIS, pp. 47-52.
- [270] GLADYSZ, J., AND WALKOWIAK, K. Capacity and flow optimization for survivable networks with concurrent unicast and anycast flows. In Proceedings of the 4th International Conference on Broadband Communication, Information Technology & Biomedical Applications, BroadBandCom '09 [Dokument elektroniczny]: conference proceedings, 15th-18th, July, 2009, Wroclaw, Poland.Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, cop. 2009. (2009), pp. 1-6.

- [271] GLADYSZ, J., AND WALKOWIAK, K. A flow deviation algorithm for simultaneously unicast and anycast routing in cfa problem with linear cost function. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 121–128.
- [272] GLADYSZ, J., AND WALKOWIAK, K. Modeling of survivable network design problems with simultaneous unicast and anycast flows. In 2009 2nd International Symposium on Logistics and Industrial Informatics (LINDI), Linz, Austria, 10-11 September 2009 / [Witold Jacak i in. eds.]. Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 75–80.
- [273] GLADYSZ, J., AND WALKOWIAK, K. Optimization of cost function in multi-layer networks for unicast and anycast flows. In 16th Polish Teletraffic Symposium, [Lodz, Poland, September 24-25, 2009]. Lodz: Technical University of Lodz, [2009]. (2009), pp. 45-48.
- [274] GLADYSZ, J., AND WALKOWIAK, K. Optimization of survivable networks with simultaneous unicast and anycast flows. In 2009 International Conference on Ultra Modern Telecommunications [Dokument elektroniczny]: ICUMT 2009 and workshops proceedings, St. Petersburg, Russia, 12-14 October 2009 / B. Sokolov [i in.] (eds.).[Piscataway, NJ]: IEEE, cop. 2009. (2009), pp. 1-6.
- [275] GLADYSZ, J., AND WALKOWIAK, K. Uncapacitated network design problem for unicast and anycast flows. Polish Journal of Environmental Studies 18, 3B (2009).
- [276] GLADYSZ, J., AND WALKOWIAK, K. Combinatorial optimization of capacity and flow assignment problem for unicast and anycast connections with linear and convex objective functions - exact and heuristic algorithms. *Electronic Notes in Discrete Mathematics* [Dokument elektroniczny] 36 (2010).
- [277] GLADYSZ, J., AND WALKOWIAK, K. Design of mpls over dwdm architecture for unicast and anycast flows. Lecture Notes in Computer Science 6294 (2010).
- [278] GLADYSZ, J., AND WALKOWIAK, K. Tabu search algorithm for survivable network design problem with simultaneous unicast and anycast flows. *International Journal of Electronics* and Telecommunications 56, 1 (2010).
- [279] Gladysz, J., and Walkowiak, K. The heuristic algorithm based on flow deviation method for simultaneously unicast and anycast routing in cfa problem. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 73-80.
- [280] GLADYSZ, J., AND WALKOWIAK, K. Lagrangean relaxation for unicast and anycast flows with modular link cost cfa problem. In *Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2011.* (2011), Acta MOSIS, pp. 63–70.
- [281] Gola, M., and Kasprzak, A. A. Klasyfikacja problemow projektowania struktur rozleglych sieci komputerowych. Zeszyty Naukowe Politechniki Opolskiej. Informatyka (2001).
- [282] Gola, M., and Kasprzak, A. A. An exact algorithm for cfa problem in wan with combined cost criterion and with budget and delay constraints. In Cybernetics and systems 2002. Proceedings of the Sixteenth European Meeting on Cybernetics and Systems Research, Vienna, 2-5 April 2002. Vol. 2 / Ed. by Robert Trappl. Vienna: Austrian Society for Cybernetic Studies, cop. 2002. (2002), pp. 867–872.

- [283] Gola, M., and Kasprzak, A. A. Today's internet problems of network topology design. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan. Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 147–151.
- [284] Gola, M., and Kasprzak, A. A. A system for wide area network cost simulation. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 231-235.
- [285] Gola, M., and Kasprzak, A. A. The two-criteria topological design problem in wan with delay constraint: an algorithm and computational results. In Computational science and its applications ICCSA 2003. International conference. Proceedings, Montreal, Canada, May 18-21, 2003. Pt. 1 / Vipin Kumar [i in.] (eds). Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 180–189.
- [286] Gola, M., and Kasprzak, A. A. Budget problem in topology design of large-scale wide area networks. In Cybernetics and systems 2004. Proceedings of the Seventeenth European Meeting on Cybernetics and Systems Research, Vienna, 13-16 April 2004. Vol. 2 / Ed. by Robert Trappl. Vienna: Austrian Society for Cybernetic Studies, cop. 2004. (2004), pp. 763-766.
- [287] Gola, M., and Kasprzak, A. A. Designing wide area network with trade-off between link cost and performance. In *Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004.* (2004), Acta MOSIS, pp. 135–140.
- [288] Gola, M., and Kasprzak, A. A. Exact and approximate algorithms for two-criteria topological design problem of wan with budget and delay constraints. In Computational science and its applications ICCSA 2004. International conference. Proceedings, Assisi, Italy, May 14-17, 2004. Pt. 3 / Antonio Lagana [i in.] (eds). Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 611–620.
- [289] Gola, M., and Kasprzak, A. A. New results for cfa problem in wan with combined cost criterion and with budget constraint. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 179–182.
- [290] Gola, M., and Kasprzak, A. A. Conception of real time wide area networks simulator. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 97-102.
- [291] Gola, M., and Kasprzak, A. A. Topology design problem with combined cost criterion and time varying traffic in wide area networks. In Scientific computation, applied mathematics and simulation. 17th IMACS World Congress [Dokument elektroniczny], Paris, July 11-15, 2005.Lille: Ecole Centralle de Lille, [2005.5] s. (2005).
- [292] Gola, M., Kasprzak, A. A., and Sroczak, M. Practical appliance of vmware workstation v.5.5 tool for wide area network simulation. In Modelling and simulation of systems. Proceedings of the [40th] conference, [Prerov, Czech Republic, April 25-27, 2006] / Ed. J. Stefan.Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 77-83.
- [293] GOLONKA, K., AND KOSZALKA, L. Bus route optimization: evaluation of algorithms. In Information systems architecture and technology: system analysis approach to the design, control and decision support [Dokument elektroniczny] / eds. Jerzy Swiatek [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2011.s. 261-270,5 rys., 4 tab., bibliogr, 10 poz., Biblioteka Informatyki Szkol Wyzszych. 2011.

- [294] GOLONKA, K., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. An experimentation system for bus route planning and testing metaheuristics algorithms. In GlobeNet 2011: The Sixth International Conference on Systems, ICONS 2011 [Dokument elektroniczny]: January 23-28, 2011, St. Maarten, The Netherlands Antilles / eds. Leszek Koszalka, Daniela Dragomirescu. [B.m.]: IARIA, cop. 2011. (2011), pp. 134-138.
- [295] Gonzalez-Nunez, J. D., Ayerdi, B., Grana, M., and Wozniak, M. A new heuristic for influence maximization in social networks. *Logic Journal of the IGPL* 24, 6 (2016).
- [296] GORCZYCA, M., JANIAK, W., STANEK, P., WOZNIAK, M., AND JANUSZKIEWICZ, R. Projekt komputerowego systemu umozliwiajacego okreslanie jakosci klasyfikatorow kombinowanych. Tech. Rep. nr 6, 2009.
- [297] GORCZYCA, M., AND KOSZALKA, L. Some job shop system with task scheduling based on genetic algorithms. In Sixteenth International Conference on Systems Engineering. ICSE '2003. Proceedings, Coventry, 9-11 September 2003. Vol. 1 / Eds Keith J. Burnham and Olivier C. L. Haas. Coventry: Coventry University, cop. 2003. (2003), pp. 200–205.
- [298] GORNICKA, D., MARKOWSKI, M., AND BURDUK, A. Optimization of production organization in a packaging company by ant colony algorithm. In Intelligent Systems in Production Engineering and Maintenance ISPEM 2017: proceedings of the First International Conference on Intelligent Systems in Production Engineering and Maintenance ISPEM 2017 / Anna Burduk, Dariusz Mazurkiewicz Eds. Cham: Springer, cop. 2018., 8 (2018), Advances in Intelligent Systems and Computing, pp. 336–346.
- [299] Goscien, R. J. Opracowanie algorytmu tabu search dla zadan optymalizacji tras i widma optycznego w elastycznych sieciach optycznych z przeplywami anycast i unicast. Tech. Rep. nr 3, 2013.
- [300] Goscien, R. J. Heuristic algorithm for optimization of multipath routing in elastic optical networks with anycast flows. Tech. Rep. nr 19, 2014.
- [301] Goscien, R. J. New aproaches for cfa and tcfa problems in wan. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 8 (2014), pp. 95-105.
- [302] Goscien, R. J. Opracowanie modeli programowania calkowitoliczbowego i algorytmow optymalizacyjnych dla zadania optymalizacji tras i widma optycznego w przezywalnych elestycznych sieciach optycznych z przeplywami anycast i unicast. Tech. Rep. nr 13, 2014.
- [303] Goscien, R. J. Opracowanie algorytmu grasp dla zadania optymalizacji przezywalnych elastycznych sieci optycznych z przeplywami multicast, unicast i anycast. Tech. Rep. nr 74, 2015.
- [304] Goscien, R. J. Opracowanie algorytmu tabu search dla zadania optymalizacji elastycznych sieci optycznych z przepływami multicast i unicast. Tech. Rep. nr 2, 2015.
- [305] Goscien, R. J. Tabu search algorithm for routing and spectrum allocation of multicast demands in elastic optical networks. In *Intelligent data engineering and automated learning IDEAL 2015 : 16th International Conference, Wroclaw, Poland, October 14-16, 2015 : proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.] : Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 309-317.*
- [306] Goscien, R. J. Opracowanie algorytmu heurystycznego dla problemu alokacji zadan anycast i unicast w przezywalnych sieciach wdm. Tech. Rep. nr 37, 2016.

- [307] Goscien, R. J. Opracowanie algorytmu tabu search dla zadania optymalizacji przezywalnych elastycznych sieci optycznych z przeplywami multicast, unicast i anycast. Tech. Rep. nr 2, 2016.
- [308] Goscien, R. J. Optimization algorithms for survivable elastic optical networks. PhD thesis, 2016.
- [309] Goscien, R. J. A simple cost analysis in elastic optical networks. In Computer systems engineering: theory and applications: Proceedings to International Students Workshops / Radoslaw Rudek, Wojciech Kmiecik (eds.).[Wroclaw: Department of Systems and Computer Networks, Faculty of Electronics, Wroclaw University of Science and Technology, 2016]., 8 (2016), pp. 54-64.
- [310] Goscien, R. J. Algorytmy routingu dynamicznego dla przezywalnych elastycznych sieci optycznych. Tech. Rep. nr 50, 2017.
- [311] Goscien, R. J. On the efficient column generation-based optimization of anycast traffic in survivable elastic optical networks. In ICTON 2017: 19th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Girona, Catalonia, Spain, 2-6 July, 2017 / Marek Jaworski, Marian Marciniak.Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications, cop. 2017., 3 (2017), pp. 1-4.
- [312] Goscien, R. J. On the initialization in column generation for cloud-ready and survivable eons. In Proceedings of 2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM), September 4-6, 2017, Alghero, Italy / Jacek Rak, Davide Bilo, Jose Marzo, Eusebi Calle, Joseph Sole Pareta (eds.).[Piscataway, NJ]: IEEE, cop. 2017., 5 (2017), pp. 1-7.
- [313] Goscien, R. J., Klinkowski, M., and Walkowiak, K. A tabu search algorithm for routing and spectrum allocation in elastic optical networks. In ICTON 2014: 16th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Graz, 6th-10th July, 2014 / eds. Marek Jaworski, Marian Marciniak.[Piscataway, NJ]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2014., 3 (2014), pp. 1-4.
- [314] Goscien, R. J., Kmiecik, W. H., Ryba, P., Pozniak-Koszalka, I., and Kasprzak, A. A. A bottom-up heuristic for cfa problem in wan. In Twenty-Second International Conference on Systems Engineering [Dokument elektroniczny]: proceedings, 11-13 September 2012, Coventry, UK / eds. Keith J. Burnham, Vincent Erasnilli; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2012]. (2012), pp. 77-82.
- [315] GOSCIEN, R. J., AND LECHOWICZ, P. Column generation technique for optimization of survivable flex-grid sdm networks. In Proceedings of 2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM), September 4-6, 2017, Alghero, Italy / Jacek Rak, Davide Bilo, Jose Marzo, Eusebi Calle, Joseph Sole Pareta (eds.)[Piscataway, NJ]: IEEE, cop. 2017., 5 (2017), pp. 1-7.
- [316] GOSCIEN, R. J., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. A top-down heuristic for tcfa problem in wan. In InfoWare 2013 [Dokument elektroniczny]: The Ninth International Conference on Wireless and Mobile Communications, ICWMC 2013, July 21-26, 2013, Nice, France / eds. Dragana Krstic, Robert Bestak.[B.m.]: IARIA, cop. 2013., 5 (2013), pp. 89-94.
- [317] Goscien, R. J., and Walkowiak, K. Comparison of different data center location policies in survivable elastic optical networks. In *Proceedings of 2015 7th International Workshop on Reliable Networks Design and Modeling (RNDM), October 5-7, 2015, Munich, Germany / [Jacek Rak i in.] (eds.).Danvers, MA: IEEE, cop. 2015., 6 (2015), pp. 48–55.*

- [318] Goscien, R. J., and Walkowiak, K. A column generation technique for routing and spectrum allocation in cloud-ready survivable elastic optical networks. *International Jour*nal of Applied Mathematics and Computer Science 27, 3 (2017).
- [319] GOSCIEN, R. J., AND WALKOWIAK, K. Modeling and optimization of data center location and routing and spectrum allocation in survivable elastic optical networks. Optical Switching and Networking 23 (2017).
- [320] GOSCIEN, R. J., WALKOWIAK, K., AND KLINKOWSKI, M. Distance-adaptive transmission in cloud-ready elastic optical networks. *Journal of Optical Communications and Network*ing 6, 10 (2014).
- [321] Goscien, R. J., Walkowiak, K., and Klinkowski, M. Gains of anycast demand relocation in survivable elastic optical networks. In *Proceedings of RNDM 2014: 6th International Workshop on Reliable Networks Design and Modeling, November 17-19, 2014, Barcelona, Spain / [Jacek Rak i in.] (eds.).Danvers, MA: IEEE, cop. 2014., 5 (2014), pp. 109–115.*
- [322] GOSCIEN, R. J., WALKOWIAK, K., AND KLINKOWSKI, M. Joint anycast and unicast routing and spectrum allocation with dedicated path protection in elastic optical networks. In DRCN 2014 proceedings: 10th International Conference on Design of Reliable Communication Networks, 31 March 3 April 2014, Ghent (Belgium). [Piscataway, NJ]: IEEE, cop. 2014., 6 (2014), pp. 1–8.
- [323] Goscien, R. J., Walkowiak, K., and Klinkowski, M. On the regenerators usage in cloud-ready elastic optical networks with distance-adaptive modulation formats. In 2014 European Conference on Optical Communication (ECOC), Cannes, France, September, 21-25, 2014.[B.m.]: IEEE, cop. 2014., 2 (2014), pp. 1-3.
- [324] Goscien, R. J., Walkowiak, K., and Klinkowski, M. Ilp modelling and joint optimization of anycast and unicast traffic in survivable elastic optical networks. In INOC 2015 [Dokument elektroniczny]: 7th International Network Optimization Conference: conference proceedings, May 18-20, 2015, Warsaw, Poland / eds. Michal Pioro, Jacek Rak, Artur Tomaszewski. [Gdansk: Wydzial Elektroniki, Telekomunikacji i Informatyki Politechniki Gdanskiej, 2015]., 6 (2015), pp. 1-8.
- [325] Goscien, R. J., Walkowiak, K., and Klinkowski, M. Tabu search algorithm for routing, modulation and spectrum allocation in elastic optical network with anycast and unicast traffic. *Computer Networks* 79 (2015).
- [326] Goscien, R. J., Walkowiak, K., and Klinkowski, M. On the complexity of routing and spectrum allocation in survivable elastic optical network with unicast and anycast traffic. In *Proceedings of 2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), September 13-15, 2016, Halmstad, Sweden / Magnus Jonsson, Jacek Rak, Arun Somani, Dimitri Papadimitriou, Alexey Vinel (eds.).Danvers, MA: IEEE, cop. 2016., 6 (2016), pp. 166–173.*
- [327] GOSCIEN, R. J., WALKOWIAK, K., KLINKOWSKI, M., AND RAK, J. Protection in elastic optical networks. IEEE Network 29, 6 (2015).
- [328] GOSCIEN, R. J., WALKOWIAK, K., AND TORNATORE, M. Survivable multipath routing of anycast and unicast traffic in elastic optical networks. *Journal of Optical Communications* and Networking 8, 6 (2016).
- [329] GRANA, M., AND JACKOWSKI, K. Electronic health record. In 2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2015) [Dokument elektroniczny]: Washington D.C., Nov 9-12, 2015 / eds. Jun (Luke) Huan [i in.]. Piscataway, NJ: IEEE, cop. 2015., 6 (2015), pp. 1375–1382.

- [330] GRANA, M., SANCHEZ, E., AND WOZNIAK, M. Special issue on innovations in medicine and healthcare. Biosystems Engineering 138 (2015).
- [331] GRUDZINSKI, P., CZARNY, M., AND CICHON, A. Simunet komputerowa realizacja problemu routingu. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 295–302.
- [332] Grzesinski, H., and Nowak, D. Wireless route finder system wspomagajacy ustanawianie polaczen w bezprzewodowych sieciach ad-hoc. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 37-42.
- [333] Grzybowski, A. Algorytmy odbioru danych w obecności cześciowo skorygowanej interferencji miedzysymbolowej. PhD thesis, 2002.
- [334] Grzybowski, A. The simulation of parameters for the decision feedback calculation system. In *Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan.Ostrava : MARQ, 2003.* (2003), Acta MOSIS, pp. 349–355.
- [335] GRZYBOWSKI, A. Intersymbol interference equalization based on calculation of risk treshold. In Scalable systems and computer networks design and applications. SCALNET '04. International conference of science and technology, Kremenchug, Ukraine, 28-30 September 2004. Kremenchug: Kremenchug State Polytechnic University, cop. 2004. (2004), pp. 44-47.
- [336] GRZYBOWSKI, A. Security policy configuration in ipsec networks. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 86-91.
- [337] GRZYBOWSKI, A. A two-layer model of the computer network security. In Modelling and simulation of systems. Proceedings of the [40th] conference, [Prerov, Czech Republic, April 25-27, 2006] / Ed. J. Stefan.Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 203-208.
- [338] Grzybowski, A. Proposition of intersymbol interference correction method based on risk threshold. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 113-118.
- [339] Grzybowski, A. Security of voip service for wlan networks. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 183–188.
- [340] Grzybowski, A. Active devices monitoring system in computer network. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 50–55.
- [341] Grzybowski, A. Using bluetooth technology in home environment. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 134–138.

- [342] Grzybowski, A. Rieliability of mpls networks. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 31–36.
- [343] GRZYBOWSKI, A. Analysis of reliability mechanisms in mpls protocol. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 87-92.
- [344] Grzybowski, A., and Kisilewicz, J. Optymalizacja parametrow decyzyjnego sprzezenia zwrotnego. Zeszyty Naukowe Politechniki Opolskiej. Informatyka (2001).
- [345] Grzybowski, A., and Kisilewicz, J. The incoming data prognosis with receive prediction algorithm. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wrocław: Chair of Systems and Computer Networks. Wrocław University of Technology, 2003. (2003), pp. 97–102.
- [346] GRZYBOWSKI, A., AND KISILEWICZ, J. The decision-error extension in the gaussian noise presence. Polish Journal of Environmental Studies 17, 2B (2008).
- [347] GRZYBOWSKI, A., AND KISILEWICZ, J. The decision-feedback equalizer optimization for gaussian noise. Journal of Theoretical and Applied Computer Science 8, 4 (2014).
- [348] GRZYBOWSKI, A., AND SOBOLEWSKI, P. Building management system based on popular wireless communication technologies. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 93–100.
- [349] Guzdziol, L., Holodniak, T., and Mazur, S. Multimedialny system wspomagajacy badania symulacyjne na potrzeby zamknietego zagadnienia transportowego. In Człowiek - cywilizacja - przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 303-310.
- [350] GUZDZIOL, L., AND KOSZALKA, L. The multimedia research system for evaluation of algorithms to solving btp problem. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 288–295.
- [351] GUZDZIOL, L., AND KOSZALKA, L. The resource management system as an example of xml and binary web services. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 52-61.
- [352] Guzek, A. Analiza efektywnosci rational unified process w kontekscie roznych metodyk wytwarzania oprogramowania. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 71-76.
- [353] GUZEK, A., AND POZNIAK-KOSZALKA, I. Implementation of the rational unified process in a modern software developing company. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4]

- June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka. [Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 138–147.
- [354] HALACZKIEWICZ, M., FRANZ, P., AND KOSZALKA, L. Optimized first fit algorithm combined with simple scheduling for solving static allocation problem in mesh networks. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.]. [Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 8 (2014), pp. 35-45.
- [355] Hans, M., and Pozniak-Koszalka, I. Testing sql queries. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 93-100.
- [356] HASIEWICZ, Z., KLEMPOUS, R., KOZIOL, M., LAGWA, M., PEKALA, J., AND ZARZY-СКІ, J. Analiza stanu i potrzeby rozwojowe w zakresie srodkow informatyki na wydziale elektroniki w-4 pwr. Tech. Rep. nr 17, 2004.
- [357] Heda, P., and Burduk, R. Dynamical ensemble selection experimental analysis on homogenous pool of classifiers. *Journal of Medical Informatics & Technologies* 24 (2015).
- [358] Heda, P., and Burduk, R. Ensemble selection based on discriminant functions in binary classification task. In *Intelligent data engineering and automated learning IDEAL 2015*: 16th International Conference, Wroclaw, Poland, October 14-16, 2015: proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.]: Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 61-68.
- [359] HEDA, P., AND BURDUK, R. Two stage ensemble selection algorithm. Journal of Theoretical and Applied Computer Science 9, 1 (2015).
- [360] Неда, Р., and Вurduk, R. Classifier selection uses decision profiles in binary classification task. In *Image Processing and Communications Challenges 7 / Ryszard S. Choras (ed.).Cham : Springer, cop. 2016.*, 6 (2016), Advances in Intelligent Systems and Computing, pp. 3–10.
- [361] HELWICH, M., AND POZNIAK-KOSZALKA, I. Doswiadczalne badanie wydajnosci systemu zarzadzania baza danych mysql. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 311–316.
- [362] Helwich, M., and Pozniak-Koszalka, I. Experimental evaluation of mysql database system efficiency. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 71–80.
- [363] Helwich, M., and Pozniak-Koszalka, I. Experimental comparison of oracle 9i and microsoft sql server 2000. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 62–70.

- [364] Helwich, M., Szremski, L., and Pozniak-Koszalka, I. Iris recognition system. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 46-58.
- [365] Hudziak, M. Comparing different approaches of finding an optimal path in continuous areas with obstacles. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 7 (2014), pp. 137–146.
- [366] Hudziak, M., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Comparison of algorithms for multi-agent pathfinding in crowded environment. In *Intelligent Information and Database Systems: 7th Asian Conference, ACHDS 2015, Bali, Indonesia, March 23-25, 2015: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Bogdan Trawinski, Raymond Kosala (eds.).Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science., pp. 229–238.*
- [367] Hudziak, M., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Multiagent pathfinding in the crowded environment with obstacles: Algorithms and experimentation system. *Journal of Intelligent & Fuzzy Systems* 32, 2 (2017).
- [368] Iglantowicz, R., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Compartive analysis of metaheuristic algorithms for computer network optimization in some aspects. In *Proceedings of the Seventh International Conference on Information, November 25-28, 2015, Taipei, Taiwan / ed. by Lei Li, Tei-Wei Kuo.[B.m.]: International Information Institute, 2015., 3 (2015)*, pp. 166–169.
- [369] Jackowski, K. Adaptacyjna metoda uczenia komuterowych systemow rozpoznawania w oparciu o podzial przestrzeni cech i selekcje klasyfikatorow z wykorzystaniem algorytmow ewolucyjnych. PhD thesis, 2008.
- [370] JACKOWSKI, K. Feature selection methods for sparse learning set based on evolutionary algorithm. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 178–184.
- [371] JACKOWSKI, K. Algorithm of feature space division based on kernel function in multiple classifier systems. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 115-122.
- [372] Jackowski, K. Algorytm wazonej fuzji klasyfikatorow z wykorzystaniem radialnych funkcji bazowych do wyznaczania lokalnej kompetencji klasyfikatorow. Tech. Rep. nr 5, 2010.
- [373] JACKOWSKI, K. Multiple classifier system with radial basis weight function. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 6076 (2010).
- [374] JACKOWSKI, K. Evolutionary adapted ensemble for reoccurring context. In Hybrid artificial intelligent systems: 7th international conference, HAIS 2012, Salamanca, Spain, March 28-30, 2012: proceedings. Pt. 2 / eds. Emilio Corchado [i in.]. Berlin: Springer, 2012. (2012), Lecture Notes in Computer Science., pp. 550-557.

- [375] Jackowski, K. Fixed-size ensemble classifier system evolutionarily adapted to a recurring context with an unlimited pool of classifiers. *Pattern Analysis and Applications* 17, 4 (2014).
- [376] Jackowski, K. Zlozony system rozpoznawania z dynamicznie aktualizowana pula klasyfikatorow kandydujących do komitetu glosującego. Tech. Rep. nr 8, 2014.
- [377] JACKOWSKI, K. Adaptive splitting and selection algorithm for regression. New Generation Computing 33, 4 (2015).
- [378] Jackowski, K. System rozpoznawania strumieni danych o zmiennych charakterystykach z dynamicznie aktualizowana pula klasyfikatorow - analiza porownawcza efektywnosci procesu uczenia z wykorzystaniem algorytmu symulowanego wyzarzania i algorytmow ewolucyjnych. Tech. Rep. nr 31, 2015.
- [379] Jackowski, K. Online evolutionary update ensemble zlozony system rozpoznawania danych strumieniowych przetwarzających dane w trybie online z algorytmem ucznia bazujacym na algorymtach ewolucyjnych. Tech. Rep. nr 28, 2016.
- [380] Jackowski, K. Zastosowanie nowej miary zroznicowania komitetu glosujacego w uczeniu zlozonego systemu rozpoznawania wykorzystanego do przetwarzania strumieni danych o zmiennych charakterystykach. Tech. Rep. nr 76, 2016.
- [381] Jackowski, K. Application of genetic algorithm and simulated annealing to ensemble classifier training on data streams. In Advances on P2P, Parallel, Grid, Cloud and Internet Computing: Proceedings of the 12th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2017), November 8-10, 2017, Barcelona, Spain / Fatos Xhafa, Santi Caballe, Leonard Barolli (eds.).[Cham]: Springer International Publishing AG, cop. 2018., 7 (2018), Lecture Notes on Data Engineering and Communications Technologies, pp. 266–276.
- [382] Jackowski, K., and Burduk, R. System analysis and computer project management. Wroclaw University of Technology; Wroclaw:, 2011.
- [383] Jackowski, K., Burduk, R., Walkowiak, K., Wozniak, M., and Yin, H., Eds. Intelligent data engineering and automated learning IDEAL 2015: 16th International Conference, Wroclaw, Poland, October 14-16, 2015: proceedings (2015), Lecture Notes in Computer Science, Springer, Cham [i in.].
- [384] Jackowski, K., and Cyganek, B. A learning-based colour image segmentation with extended and compact structural tensor feature representation. *Pattern Analysis and Applications* 20, 2 (2017).
- [385] Jackowski, K., Jankowski, D., Ksieniewicz, P., Simic, D., Simic, S., and Wozniak, M. Ensemble classifier systems for headache diagnosis. In *Information technologies in biomedicine*. Vol. 4 / Ewa Pietka, Jacek Kawa, Wojciech Wieclawek (eds.). Cham [i in.]: Springer, cop. 2014.s. 273-284,3 tab., bibliogr. 18 poz.0,8, vol. vol. 284 of Advances in Intelligent Systems and Computing. 2014.
- [386] JACKOWSKI, K., JANKOWSKI, D., QUINTIAN, H., CORCHADO, E., AND WOZNIAK, M. Modelling dental milling process with machine learning-based regression algorithms. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 8 (2016), Advances in Intelligent Systems and Computing, pp. 701–711.

- [387] JACKOWSKI, K., JANKOWSKI, D., SIMIC, D., AND SIMIC, S. Migraine diagnosis support system based on classifier ensemble. In ICT innovations 2014: world of data / Ana Madevska Bogdanova, Dejan Gjorgjevikj (eds.). Cham [i in.]: Springer, cop. 2015.s. 329-339,4 tab., bibliogr. 13 poz.0,8, vol. vol. 311 of Advances in Intelligent Systems and Computing. 2015
- [388] JACKOWSKI, K., KRAWCZYK, B., AND WOZNIAK, M. Cost-sensitive splitting and selection method for medical decision support system. In *Intelligent data engineering and automated* learning - IDEAL 2012: 13th International Conference, Natal, Brazil, August 29-31, 2012: proceedings / eds. Hujun Yin, Jose A. F. Costa, Guilherme Barreto.Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 850–857.
- [389] JACKOWSKI, K., KRAWCZYK, B., AND WOZNIAK, M. Application of adaptive splitting and selection classifier to the spam filtering problem. Cybernetics and Systems 44, 6/7 (2013).
- [390] JACKOWSKI, K., KRAWCZYK, B., AND WOZNIAK, M. Improved adaptive splitting and selection: the hybrid training method of a classifier based on a feature space partitioning. *International Journal of Neural Systems* 24 (2014).
- [391] Jackowski, K., and Platos, J. Application of adass ensemble approach for prediction of power plant generator tension. In *International Joint Conference SOCO'14-CISIS'14-ICEUTE'14*, Bilbao, Spain, June 25th-27th, 2014: proceedings / Jose Gaviria de la Puerta [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Advances in Intelligent Systems and Computing, pp. 207–216.
- [392] Jackowski, K., Platos, J., and Prilepok, M. Evolutionary weighted ensemble for eeg signal recognition. In *Intelligent data analysis and its applications. Vol. 2, proceeding of the First Euro-China Conference on Intelligent Data Analysis and Applications, June 13-15, 2014, Shenzhen, China / Jeng-Shyang Pan [i in.] (eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Advances in Intelligent Systems and Computing, pp. 201–210.*
- [393] Jackowski, K., Savio, A., and Cyganek, B. Automatic segmentation of brain tumors using tensor analysis and multomodal mri. *Journal of Medical Informatics & Technologies* 24 (2015).
- [394] JACKOWSKI, K., AND WOZNIAK, M. Experiments on adaptive clustering and selection using weights. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 33-38.
- [395] Jackowski, K., and Wozniak, M. Adaptive splitting and selection method of classifier ensemble building. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5572 (2009).
- [396] JACKOWSKI, K., AND WOZNIAK, M. Algorithm of designing compound recognition system on the basis of combining classifiers with simultaneous splitting feature space into competence areas. Pattern Analysis and Applications 12, 4 (2009).
- [397] JACKOWSKI, K., AND WOZNIAK, M. Method of classifier selection using the genetic approach. Expert Systems [Dokument elektroniczny] 27, 2 (2010).
- [398] Jackowski, K., Wozniak, M., Kozik, A., Gorczyca, M., Januszkiewicz, R., and Tomczyk, H. Learning classifier with integrated clustering and selection simulation results. In *Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008.* (2008), Acta MOSIS, pp. 43–50.

- [399] JACKOWSKI, K., WOZNIAK, M., AND ТОМСZYK, H. Metody selekcji cech w przypadku wielowymiarowych i malo licznych zbiorow uczacych. Tech. Rep. nr 5, 2009.
- [400] Jakimczuk, L., Kmiecik, W. H., Pozniak-Koszalka, I., and Kasprzak, A. A. Task allocation algorithms for 2d torus architecture. In GlobeNet 2013: The Twelfth International Conference on Networks, ICN 2013 [Dokument elektroniczny]: January 27 February 1, 2013, Seville, Spain / eds. Pascal Lorenz, Tibor Gyires, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2013., 4 (2013), pp. 169–174.
- [401] Jankowski, D. Ewolucyjny algorytm indukcji drzew decyzyjnych dla stacjonarnych strumieni danych. Tech. Rep. nr 6, 2014.
- [402] Jankowski, D. Ewolucyjny algorytm indukcji drzew decyzyjnych dla strumieni danych w srodowisku niestacjonarnym. Tech. Rep. nr 101, 2015.
- [403] Jankowski, D. Analiza porownawcza detektorow dryftu oraz ocena polaczenia detektora z klasyfikatorem ewolucyjnego uczenia drzew decyzyjnych dla zadan klasyfikacji danych strumieniowych. Tech. Rep. nr 77, 2016.
- [404] Jankowski, D. Analiza własności oraz kierunki rozwoju algorytmu ewolucyjnego uczenia drzew decyzyjnych dla zadan klasyfikacji danych strumieniowych. Tech. Rep. nr 32, 2016.
- [405] Jankowski, D. Ewolucyjne algorytmy uczenia drzew decyzyjnych dla zadan klasyfikacji danych strumieniowych. PhD thesis, 2016.
- [406] Jankowski, D., and Jackowski, K. An improved medical diagnosing of acute abdominal pain with decision tree. *Journal of Medical Informatics & Technologies 20* (2012).
- [407] Jankowski, D., and Jackowski, K. Evolutionary algorithm for decision tree induction. In Computer information systems and industrial management: 13th IFIP TC8 International Conference, CISIM 2014, Ho Chi Minh City, Vietnam, November 5-7, 2014: proceedings / Khalid Saeed, Vaclav Snasel (eds.). Heidelberg [i in.]: Springer, cop. 2014., 7 (2014), Lecture Notes in Computer Science, pp. 23–32.
- [408] Jankowski, D., and Jackowski, K. An increment decision tree algorithm for streamed data. In BigDataSe 2015 [Dokument elektroniczny]: the 9th IEEE International Conference on Big Data Science and Engineering, 20-22 August 2015, Helsinki, Finland.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2015., 5 (2015), pp. 199-204.
- [409] JANKOWSKI, D., JACKOWSKI, K., AND CYGANEK, B. Learning decision trees from data streams with concept drift. Procedia Computer Science [Dokument elektroniczny] 80 (2016).
- [410] Jankowski, D., and Pozniak-Koszalka, I. Capacity planning in client-server database systems. In New trends in system simulation. [NETSS 2005]. Proceedings of the 2nd International Winter Workshop, [Krnov, Czech Republic, February 22-23, 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 31-36.
- [411] JARECKI, P., KOPEC, P., POZNIAK-KOSZALKA, I., KOSZALKA, L., KASPRZAK, A. A., AND CHMAJ, G. Comparison of algorithms for finding best route in an area with obstacles. In ICSEng 2017: 25th International Conference on Systems Engineering: Las Vegas, Nevada, 22-23 August 2017: proceedings / ed. by Henry Selvaraj, Grzegorz Chmaj and Dawid Zydek. Danvers, MA: IEEE, cop. 2017., 5 (2017), pp. 163-168.

- [412] JARECKI, R. J., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. An approach of finding maximal submeshes for task allocation algorithms in mesh structures. In Intelligent Information and Database Systems: 6th Asian Conference, ACIIDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 1 / Ngoc Thanh Nguyen [i in.] (Eds.). Cham [i in.]: Springer, cop. 2014., 7 (2014), Lecture Notes in Computer Science., pp. 332-341.
- [413] Jozefowicz, R., Kmiecik, W. H., Pozniak-Koszalka, I., and Kasprzak, A. A. Algorithms for solving frequency assignment problem in wireless networks. In *Twenty-Second International Conference on Systems Engineering [Dokument elektroniczny]: proceedings, 11-13 September 2012, Coventry, UK / eds. Keith J. Burnham, Vincent Erasnilli; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2012]. (2012), pp. 112–117.*
- [414] Jozefowicz, R., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Algorithms for solving frequency assignment problem in wireless networks. In Recent developments in computational collective intelligence / Amelia Badica, Bogdan Trawinski, Ngoc Thanh Nguyen (eds.). Cham [i in.]: Springer, cop. 2014.s. 135-144,7 rys., 1 tab., bibliogr. 12 poz.0,7, vol. vol. 513 of Studies in Computational Intelligence. 2014.
- [415] Kacprzak, T. Comparative study of action choosing schemes in q-learning algorithm. In Czlowiek cywilizacja przyszlosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Streszcz. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 77–82.
- [416] KACPRZAK, T., AND KOSZALKA, L. Comparison of action chosing schemes for q-learning. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 81–89.
- [417] KACPRZAK, T., WALKOWIAK, K., AND WOZNIAK, M. Grasp alghorithm for optimization of grids for multiple classifier system. In Soft computing models in industrial and environmental applications: 5th International Workshop (SOCO 2010) / [Emilio Corchado i in. (eds.)]. Berlin; Heidelberg: Springer, cop. 2010.s. 137-144,1 rys., bibliogr. 18 poz., vol. nr 73 of Advances in Intelligent and Soft Computing. 2010.
- [418] KACPRZAK, T., WALKOWIAK, K., AND WOZNIAK, M. Optimization of overlay distributed computing systems for multiple classifier system-heuristic approac. *Logic Journal of the* IGPL 20, 4 (2012).
- [419] Kajdanowicz, T., Wozniak, M., and Kazienko, P. Multiple classifier method for structured output prediction based on error correcting output codes. In *Intelligent information and database systems: Third International Conference, ACHDS 2011, Daegu, Korea, April 20-22, 2011: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Chong-Gun Kim, Adam Janiak (eds.).Berlin; Heidelberg: Springer, cop. 2011.* (2011), Lecture Notes in Computer Science., pp. 333–342.
- [420] KAKOL, A., GROTOWSKI, K., AND LOBODZINSKI, T. Porownanie efektywnosci algorytmow kapi i tabu search dla niezrownowazonego problemu transportowego. In Człowiek cywilizacja przyszłosc: VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009: referaty. T. 2. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 67-72.
- [421] KAKOL, A., GROTOWSKI, K., LOBODZINSKI, T., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. Cabi algorithm for solving unbalanced transportation problem. In *Twentieth*

- International Conference on Systems Engineering, ICSE '2009 [Dokument elektroniczny]: proceedings, Coventry, UK, 8-10 September 2009 / eds Keith J. Burnham & Olivier C. L. Haas. Coventry: Coventry University, cop. 2009. (2009), pp. 241–245.
- [422] KAKOL, A., GROTOWSKI, T., KOSZALKA, L., POZNIAK-KOSZALKA, I., KASPRZAK, A. A., AND BURNHAM, K. J. Performance of bee behavior-based algorithm for solving transportation problem. In The Fifth International Conference on Systems, ICONS 2010 [Dokument elektroniczny], 11-16 April 2010, Menuires, France / eds. Raimund Ege, Leszek Koszalka.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2010. (2010), pp. 83-87.
- [423] KAKOL, A., POZNIAK-KOSZALKA, I., KOSZALKA, L., KASPRZAK, A. A., AND BURNHAM, K. J. An experimentation system for testing bee behavior based algorithm to solving a transportation problem. In *Intelligent information and database systems: Third International Conference, ACHDS 2011, Daegu, Korea, April 20-22, 2011: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Chong-Gun Kim, Adam Janiak (eds.).Berlin; Heidelberg: Springer, cop. 2011.* (2011), Lecture Notes in Computer Science., pp. 11–20.
- [424] KALATA, G., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Optimising base station location for umts cellular networks. *Journal of Physics. Conference Series* 570 (2014).
- [425] Kaminski, R. T. Comparison of allocation algorithms for mesh structured networks. In Czlowiek - cywilizacja - przyszłosc: VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009: referaty. T. 2. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Streszcz. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 55-60.
- [426] Kaminski, R. T., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Evaluation and comparison of task allocation algorithms for mesh networks. In The Ninth International Conference on Networks, ICN 2010 [Dokument elektroniczny], 11-16 April 2010, Menuires, France / eds. Tibor Gyires [i in.]. Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2010. (2010), pp. 104–108.
- [427] KARPA, M., AND MARKOWSKI, M. Analiza wydajnosci usług publicznych chmur obliczeniowych. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 8-9 (2016).
- [428] Kasprzak, A. A. Exact and approximate algorithms for topological design of wide area networks with non-simultaneous single commodity flows. In Computational science - ICCS 2003. International conference. Proceedings, Melbourne, Australia and St. Petersbug, Russia, June 2-4, 2003. Pt. 4 / Peter M. A. Sloot [i in.] (eds). Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 799–808.
- [429] Kasprzak, A. A. Zastosowanie metod inteligencji obliczeniowej w projektowaniu systemow i sieci komputerowych. Tech. Rep. nr 2, 2012.
- [430] Kasprzak, A. A., Klink, J., Oko, J., Walkowiak, K., and Wozniak, M. Nieza-wodne sieci komputerowe przeznaczone dla systemow telemedycznych. In Internet 2009 / red. Daniel J. Bem [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2010.s. 239-269,4 rys., 1 tab., bibliogr. 78 poz., Summ., vol. t. 5 of Biblioteka Teleinformatyczna. 2010.
- [431] KASPRZAK, A. A., AND KOSZALKA, L. Overview on research activities in chair of systems and computer networks. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 27–36.

- [432] Kasprzak, A. A., Kurzynski, M., Moi, M., Puchala, E., and Wozniak, M. Projekt systemu telekonsultacyjnego dla praktyk lekarzy rodzinnych. In IV Ogolnopolska Konferencja Internet Wrocław 2002. Materiały konferencyjne, [Wrocław, 5-6 grudnia 2002]. Wrocław: Oficyna Wydaw. PWroc., 2002. (2002), pp. 89–97.
- [433] Kasprzak, A. A., Kurzynski, M., Puchala, E., Wozniak, M., and Moi, M. System uslug telemedycznych na potrzeby praktyk lekarzy rodzinnych wnioski koncowe z realizacji projektu. In V Ogolnopolska Konferencja Internet Wrocław 2003. Materialy konferencyjne, [Wrocław], 4-5 grudnia 2003. Wrocław: Oficyna Wydaw. PWroc., Summ. (2003).
- [434] Kasprzak, A. A., Moi, M., Puchala, E., and Wozniak, M. Wybrane kierunki rozwoju systemow telemedycznych. In *Internet 2005. Red. D. J. Bem [i in.].Wrocław* : Oficyna Wydaw. PWroc., 2005.s. 51-61,5 rys., bibliogr. 6 poz., Summ., vol. t. 1 of Biblioteka Teleinformatyczna. 2005.
- [435] Kasprzak, A. A., Szymanowski, M., Walkowiak, K., and Klink, J. Metody dostepu do sieci internet dla samorzadowych jednostek administracji terenowej. In V Ogolnopolska Konferencja Internet - Wroclaw 2003. Materialy konferencyjne, [Wroclaw], 4-5 grudnia 2003. Wroclaw: Oficyna Wydaw. PWroc., 2003. (2003), pp. 130–154.
- [436] Kasprzak, A. A., Szymanowski, M., Walkowiak, K., and Klink, J. Rozwiazania systemow teleinformatycznych dla podmiotow samorzadowych. In ISDN Systemy dostepowe. Warsztaty Wrocław 2003. VI Ogolnopolska konferencja. Materiały konferencyjne, Wrocław, 10-11.04.2003. Wrocław: Oficyna Wydaw. PWroc., cop. 2003. (2003), pp. 135-160.
- [437] KASPRZAK, A. A., AND WALKOWIAK, K. Ewolucja sieci internet. In Internet 2008 / red. Daniel J. Bem fi in. J. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009.s. 25-34,6 rys., bibliogr. 13 poz., Summ., vol. t. 4 of Biblioteka Teleinformatyczna. 2009.
- [438] KASPRZAK, A. A., AND WALKOWIAK, K. Algorithms for dynamic routing of anycast and unicast traffic in elastic optical networks. Tech. Rep. nr 12, 2014.
- [439] KASPRZAK, A. A., AND WALKOWIAK, K. Algorithm for generation of candidate trees for optimization of multicast flows in elastic optical networks. Tech. Rep. nr 80, 2015.
- [440] KASPRZAK, A. A., AND WALKOWIAK, K. Integer programming models for optimization of anycast flows in elastic optical networks. Tech. Rep. nr 47, 2015.
- [441] Kasprzak, A. A., and Walkowiak, K. Optimization of sparse-splitting multicasting in elastic optical networks. Tech. Rep. nr 17, 2016.
- [442] Kasprzak, A. A., and Wieczorek, T. Rekonstrukcja domen kolizyjnych w lokalnej sieci komputerowej. Zeszyty Naukowe Politechniki Opolskiej. Informatyka (2001).
- [443] KASPRZAK, A. A., AND WOZNIAK, M. Systemy telemedyczne wykorzystujace komputery ubieralne. In Internet 2008 / red. Daniel J. Bem [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009.s. 287-297,10 rys., bibliogr. 19 poz., Summ., vol. t. 4 of Biblioteka Teleinformatyczna. 2009.
- [444] Kasprzak, A. A., and Wozniak, M. Modifications of the weighted aged ensemble algorithm applied to the data stream classification - experimental analysis of chosen characteristics. Tech. Rep. nr 7, 2014.
- [445] Kasprzak, A. A., and Wozniak, M. Active learning algorithms for data stream classification. Tech. Rep. nr 103, 2015.

- [446] Kasprzak, A. A., Wozniak, M., and Zdanowicz, J. Rozproszone algorytmy indukcji drzew decyzyjnych gwarantujace prywatnosc. In *Internet 2011 / red. Daniel J. Bem fi in.f.Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, 2012.s. 11-23,4 rys., bibliogr. 18 poz., Summ.*, vol. t. 6 of *Biblioteka Teleinformatyczna.* 2012.
- [447] KASPRZAK, A. A., AND ZUK, D. Algorytm heurystyczny do dynamicznej reoptymalizacji rozproszonych zapytan spj. In Multimedialne i sieciowe systemy informacyjne. Materialy konferencyjne, [Kliczkow, 18-20 wrzesnia 2002] / pod red. Czeslawa Danilowicza. Wrocław : Oficyna Wydaw. PWroc., 2002. (2002), pp. 71-77.
- [448] Kasprzycki, M., Miodek, W., Piotrowski, M., and Sobczak, G. Algorytm przelewowy na potrzeby alokacji zadan w sieci o strukturze siatki. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1.Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 59-64.
- [449] KAZANOWSKA, B., JELEN, M., REICH, A., TARNAWSKI, W., AND CHYBICKA, A. The role of nuclear morphometry in prediction of prognosis for rhabdomyosarcoma in children. *Histopathology [Dokument elektroniczny].2004, i* 45 (2004).
- [450] Kierzek, K., Eker, Y., Kucharzak, M., Rutkowski, P., Raymundo-Pinero, E., Beguin, F., and Machnikowski, J. Preparation, structural characteristics and lithium electrochemical insertion in nanosilicon/graphite/pitch coke composites. In Carbon 2009 [Dokument elektroniczny]: the Annual World Conference on Carbon, June 14-19 Biarritz, France: program and short abstracts / Groupe Francais d'Etude des Carbones.[B.m.: b.w.], 2009. (2009), pp. 1–5.
- [451] Kisilewicz, J. Optymalizacja rozproszona sieciowej bazy danych. In Inteligentne metody komputerowe dla nauki, technologii i gospodarki. Praca zbiorowa pod red. Zbigniewa Kierzkowskiego. Poznan: Sorus, 2004.s. 186-190, bibliogr. 5 poz. 2004.
- [452] KISILEWICZ, J. E-learning in teaching the object oriented programming. In Advances in multimedia and network information system technologies / Ngoc Thanh Nguyen, Aleksander Zgrzywa and Andrzej Czyzewski (eds.).Berlin; Heidelberg: Springer, cop. 2010.s. 279-286,1 rys., 4 tab., bibliogr. 7 poz., vol. nr 80 of Advances in Intelligent and Soft Computing. 2010.
- [453] KISILEWICZ, J. Examination of students with the use of e-learning moodle platform. In Multimedia and Internet Systems: new solutions / Zgrzywa Aleksander, Kukla Elzbieta (eds.). Wroclaw: Wydawnictwo TEMPO, 2012.s. 129-139,4 rys., 2 tab., bibliogr. 9 poz. 2012.
- [454] KISILEWICZ, J. The quality of internet lte connections in wroclaw. In Multimedia and Network Information Systems: proceedings of the 10th International Conference MISSI 2016 / eds. Aleksander Zgrzywa, Kazimierz Choros, Andrzej Sieminski. [Cham]: Springer, cop. 2017., 8 (2017), Advances in Intelligent Systems and Computing, pp. 171–181.
- [455] KISILEWICZ, J., AND GRZYBOWSKI, A. Obszar zastosowania metody przewidywania nadchodzacych danych do korekcji interferencji miedzysymbolowej. Kwartalnik Elektroniki i Telekomunikacji. 2004, (2004).
- [456] KISILEWICZ, J., AND GRZYBOWSKI, A. Optimal erasures in decision-feedback equalization for the gaussian noise. *International Journal of Applied Mathematics and Computer Science* 16, 1 (2006).
- [457] KISILEWICZ, J., AND ZAHARIEVA-STOYANOVA, E. Cwiczenia laboratoryjne w Visual C++6. Oficyna Wydaw. PWroc.,, Wroclaw:, 2007.

- [458] KISILEWICZ, J., AND ZAJAC, W. Metody programowej korekcji bledow transmisji obrazu w komunikacji medialnej. In Wymiana informacji i interaktywne komunikowanie medialne. Praca zbiorowa pod red. Zbigniewa Kierzkowskiego, Stanislawy Kluska-Nawareckiej i Adama Sielickiego. Poznan: Sorus, 2003.89-92, 3 rys., bibliogr. 2 poz. 2003.
- [459] KLINK, J., KURZYNSKI, M., OKO, J., SZALBIERZ, Z., SREDNIAWA, M., TRZASKA, R., WALKOWIAK, K., WEGLARZ, M., AND WOZNIAK, M. Strategia rozwoju spoleczenstwa informacyjnego na dolnym slasku do roku 2020. Tech. Rep. nr 40, 2012.
- [460] KLINK, J., KURZYNSKI, M., OKO, J., SZALBIERZ, Z., SREDNIAWA, M., TRZASKA, R., WALKOWIAK, K., WEGLARZ, M., AND WOZNIAK, M. Strategia rozwoju spoleczenstwa informacyjnego na dolnym slasku do roku 2020. Tech. Rep. nr 41, 2012.
- [461] KLINKOWSKI, M. Cost and transmission models for elastic optical networks with anycast and unicast flows. Tech. Rep. nr 2, 2013.
- [462] Klinkowski, M. Ilp models and optimization algorithm for allocation of multiflow transponders in elastic optical networks with anycast and unicast traffic. Tech. Rep. nr 4, 2014.
- [463] KLINKOWSKI, M. A branch-and-price algorithm for optimization of elastic optical networks with anycast and multicast flows. Tech. Rep. nr 113, 2015.
- [464] KLINKOWSKI, M. Model and algorithm based on column generation technique for optimization of elastic optical networks with anycast and multicast flows. Tech. Rep. nr 1, 2015.
- [465] KLINKOWSKI, M. Development of crosstalk estimation model for sdm optical networks with multi-core fibers. Tech. Rep. nr 25, 2017.
- [466] KLINKOWSKI, M., LECHOWICZ, P., AND WALKOWIAK, K. A study on the impact of inter-core crosstalk on sdm network performance. In 2018 International Conference on Computing, Networking and Communications (ICNC) [Dokument elektroniczny]: March 5-8, 2018, Maui, HI, USA.Danvers, MA: IEEE, cop. 2018., 4 (2018), pp. 404-408.
- [467] KLINKOWSKI, M., PIORO, M., ZOTKIEWICZ, M., WALKOWIAK, K., RUIZ, M., AND VELASCO, L. Spectrum allocation problem in elastic optical networks a branch-and-price approach. In ICTON 2015: 17th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Budapest, Hungary, 5-9 July 2015 / eds. Marek Jaworski, Marian Marciniak. [Danvers, MA]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2015., 3 (2015), pp. 1-5.
- [468] KLINKOWSKI, M., AND WALKOWIAK, K. Routing and spectrum assignment in spectrum sliced elastic optical path network. *IEEE Communications Letters* 15, 8 (2011).
- [469] KLINKOWSKI, M., AND WALKOWIAK, K. Offline rsa algorithms for elastic optical networks with dedicated path protection consideration. In Proceedings of RNDM 2012: 4th International Workshop on Reliable Networks Design and Modeling co-located with 4th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2012), October 3-5, 2012, St. Petersburg, Russia / [eds. Jacek Rak, Mario, Pickavet, Hideaki Yoshino. [Piscataway, NJ]: IEEE, cop. 2012. (2012), pp. 25-31.
- [470] KLINKOWSKI, M., AND WALKOWIAK, K. On the advantages of elastic optical networks for provisioning of cloud computing traffic. IEEE Network 27, 6 (2013).

- [471] KLINKOWSKI, M., AND WALKOWIAK, K. A column generation-based optimization of anycast and multicast traffic in distance-adaptive flexgrid networks. In ACP 2015: Asia Communications and Photonics Conference [Dokument elektroniczny]: co-located and jointly organized International Conference on Information Photonics and Optical Communications, 19th-23rd Nov. 2015, Hong Kong. Washington, DC: Optical Society of America, cop. 2015., bibligr. 8 poz.0, 2 (2015), pp. 1–3.
- [472] KLINKOWSKI, M., AND WALKOWIAK, K. A simulated annealing heuristic for a branch and price-based routing and spectrum allocation algorithm in elastic optical networks. In Intelligent data engineering and automated learning IDEAL 2015: 16th International Conference, Wroclaw, Poland, October 14-16, 2015: proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science, pp. 290-299.
- [473] KLINKOWSKI, M., AND WALKOWIAK, K. A heuristic algorithm for routing, spectrum, transceiver and regeneration allocation problem in elastic optical networks. In IC-TON 2016: 18th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Trento, Italy, July 10th-14th, 2016 / eds. Marek Jaworski, Marian Marciniak. Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2016., 3 (2016), pp. 1–4.
- [474] KLINKOWSKI, M., AND WALKOWIAK, K. On performance gains of flexible regeneration and modulation conversion in translucent elastic optical networks with super-channel transmission. *Journal of Lightwave Technology* 34, 23 (2016).
- [475] KLINKOWSKI, M., AND WALKOWIAK, K. Performance analysis of flexible regeneration and modulation conversion in elastic optical networks. In OFC 2017 [The Optical Fiber Communication Conference and Exposition and National Fiber Optic Engineers Conference, Dokument elektroniczny]: the future of optical networking and communications, 19-23 March 2017, Los Angeles, California, USA.[Washington: Optical Society of America], cop. 2017., 2 (2017), pp. 1-3.
- [476] KLINKOWSKI, M., WALKOWIAK, K., AND GOSCIEN, R. J. Optimization algorithms for data center location problem in elastic optical networks. In ICTON 2013: 15th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Cartagena, Spain, June 23-27, 2013 / Marek Jaworski, Marian Marciniak (eds). [Piscataway, NJ]: IEEE, cop. 2013., 3 (2013), pp. 1-5.
- [477] KLINKOWSKI, M., WALKOWIAK, K., AND JAWORSKI, M. Off-line algorithms for routing, modulation level, and spectrum assignment in elastic optical networks. In 2011 13th International Conference on Transparent Optical Networks (ICTON) [Dokument elektroniczny]: Stockholm, Sweden, 26-30 June, [2011] / eds. Marek Jaworski, Marian Marciniak. Piscataway, NJ: IEEE, cop. 2011. (2011), pp. 1-6.
- [478] KLINKOWSKI, M., ZOTKIEWICZ, M., WALKOWIAK, K., PIORO, M., RUIZ, M., AND VE-LASCO, L. Solving large instances of the rsa problem in flexgrid elastic optical networks. *Journal of Optical Communications and Networking* 8, 5 (2016).
- [479] KMIECIK, W. H. Algorithms for capacity and flow assignment in survivable overlay multicast with dual homing architecture. PhD thesis, 2015.
- [480] KMIECIK, W. H. Survivability aspects of tree construction for overlay multicasting with dual homing architecture. In The Second European Network Intelligence Conference, ENIC 2015 [Dokument elektroniczny]: 21-22 September 2015, Karlskrona, Sweden: proceedings. Piscataway, NJ: IEEE, cop. 2015., 4 (2015), pp. 47-52.
- [481] KMIECIK, W. H. Dynamic overlay multicasting for deadline-driven requests provisioning in elastic optical networks. Tech. Rep. nr 23, 2016.

- [482] KMIECIK, W. H. Capacity and flow assignment (cfa) optimization problem for next gen wireless networks - cpu and nvidia cuda comparison. Tech. Rep. nr 53, 2017.
- [483] KMIECIK, W. H., GOSCIEN, R. J., WALKOWIAK, K., AND KLINKOWSKI, M. Two-layer optimization of survivable overlay multicasting in elastic optical networks. *Optical Switch*ing and Networking. 2014, 14 (2014).
- [484] KMIECIK, W. H., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Evaluation scheme of task allocation in mesh connected processors with metaheuristic algorithms. 2010.
- [485] KMIECIK, W. H., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Evaluation scheme of tasks allocation with metaheuristic algorithms in mesh connected processors. In ICSEng 2011: [21st] International Conference on Systems Engineering: proceedings, 16-18 August, 2011, Las Vegas, Nevada / ed. by Henry Selvaraj and Dawid Zydek. Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2011. (2011), pp. 241–246.
- [486] KMIECIK, W. H., AND WALKOWIAK, K. Modeling of dual homing survivability for p2p multicasting. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 71-78.
- [487] KMIECIK, W. H., AND WALKOWIAK, K. Survivable p2p multicasting flow assignment in dual homing networks. In Proceedings of RNDM 2011: 3rd International Workshop on Reliable Networks Design and Modeling co-located with 3rd International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2011), October 5-7, 2011, Budapest, Hungary / [eds. Jacek Rak, Brigitte Jaumard, Roland Wessaly]. [Piscataway, NJ: IEEE, 2011]. (2011), pp. 157–163.
- [488] KMIECIK, W. H., AND WALKOWIAK, K. Metaheuristic approach for survivable p2p multicasting flow assignment in dual homing networks. In *International Joint Conference CISIS'12-ICEUTE'12-SOCO'12 Special Sessions / Alvaro Herrero [i in.] (eds.).Berlin ; Heidelberg: Springer, cop. 2013 (dr. 2012).* (2012), Advances in Intelligent Systems and Computing, pp. 215–224.
- [489] KMIECIK, W. H., AND WALKOWIAK, K. Survivability aspects of overlay multicasting in dual homing networks. In Proceedings of RNDM 2012: 4th International Workshop on Reliable Networks Design and Modeling co-located with 4th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2012), October 3-5, 2012, St. Petersburg, Russia / [eds. Jacek Rak, Mario, Pickavet, Hideaki Yoshino.[Piscataway, NJ]: IEEE, cop. 2012. (2012), pp. 786-792.
- [490] KMIECIK, W. H., AND WALKOWIAK, K. Capacity and flow assignment in survivable overlay networks with dual homing architecture. In Proceedings of RNDM 2013: 5th International Workshop on Reliable Networks Design and Modeling co-located with 5th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2013), September 10-12, 2013, Almaty, Kazakhstan / [eds. Jacek Rak, Hussein Mouftah, Wen-De Zhong.Piscataway, NJ]: IEEE, cop. 2013., 5 (2013), pp. 66-72.
- [491] KMIECIK, W. H., AND WALKOWIAK, K. Metaheuristic algorithms for optimization of survivable multicast overlay in dual homing networks. Cybernetics and Systems 44, 6/7 (2013).
- [492] KMIECIK, W. H., AND WALKOWIAK, K. Tree construction strategies for survivable overlay multicasting in dual homing networks. In GlobeNet 2013: The Twelfth International

- Conference on Networks, ICN 2013 [Dokument elektroniczny]: January 27 February 1, 2013, Seville, Spain / eds. Pascal Lorenz, Tibor Gyires, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2013., 5 (2013), pp. 144–150.
- [493] KMIECIK, W. H., AND WALKOWIAK, K. Survivable overlay multicasting in wdm optical networks with dual homing architecture. In 2014 International Conference on Optical Network Design and Modeling (ONDM) [Dokument elektroniczny]: conference proceedings, Stockholm, 19-22 May 2014.[B.m.]: IEEE; International Federation for Information Processing, cop. 2014., 5 (2014), pp. 19-24.
- [494] KMIECIK, W. H., AND WALKOWIAK, K. Flow assignment (fa) and capacity and flow assignment (cfa) problems for survivable overlay multicasting in dual homing networks. *Telecommunication Systems* 60, 4 (2015).
- [495] KMIECIK, W. H., AND WALKOWIAK, K. Dynamic overlay multicasting for deadline-driven requests provisioning in elastic optical networks. In Proceedings of the 2017 20th Conference on Innovations in Clouds, Internet and Networks (ICIN) [Dokument elektroniczny] : 7-9 March 2017 in Paris, France / Noel Crespi, Antonio Manzalini, Stefano Secci (eds.).[Piscataway, NJ]: IEEE, cop. 2017., 3 (2017), pp. 31-35.
- [496] KMIECIK, W. H., WOJCIKOWSKI, M., KASPRZAK, A. A., AND KOSZALKA, L. Task allocation in mesh connected processors using local search metaheuristic algorithm. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 208–219.
- [497] KMIECIK, W. H., WOJCIKOWSKI, M., KOSZALKA, L., AND KASPRZAK, A. A. Task allocation in mesh connected processors with local search meta-heuristic algorithms. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5991 (2010).
- [498] KMIECIK, W. H., WOJCIKOWSKI, M., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Task allocation in mesh connected processors with metaheuristic algorithms. 2009.
- [499] KOCHANSKA, J., MARKOWSKI, M., AND BURDUK, A. Optimization of the supply of components for mass production with the use of the ant colony algorithm. In *Intelligent* Systems in Production Engineering and Maintenance - ISPEM 2017: proceedings of the First International Conference on Intelligent Systems in Production Engineering and Maintenance ISPEM 2017 / Anna Burduk, Dariusz Mazurkiewicz Eds. Cham: Springer, cop. 2018., 8 (2018), Advances in Intelligent Systems and Computing, pp. 347–357.
- [500] Konik, A., Kwasnik, P., and Dabrowski, K. Comparison of allocation algorithms in mesh oriented structures. In Człowiek - cywilizacja - przyszłosc: IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2011. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 43–50.
- [501] Konikiewicz, W., and Markowski, M. Analysis of performance and efficiency of hardware and software firewalls. *Journal of Applied Computer Science Methods* 9, 1 (2017).
- [502] Kosinska, M. Czy o zmierzchu budza sie demony? bezpieczenstwo w sieciach wi-fi i warchalking. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 89-94.

- [503] Kosinska, M. Gadu-gadu kontra jabber analiza porownawcza bezpieczenstwa w protokolach komunikacji natychmiastowej. In Czlowiek - cywilizacja - przyszlosc : VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009 : referaty. T. 2. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 49-54.
- [504] Kosinska, M. Investigational system of task allocation efficiency analysis in mesh-type networks. In Człowiek - cywilizacja - przyszłosc : VIII Konferencja Naukowa Studentow, Szklarska Poreba, 23-25 sierpnia 2010. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2010. (2010), Prace Studentow Politechniki Wrocławskiej., pp. 260-265.
- [505] Koszalka, L. Knowledge based decision making system for choosing parallel processor configuration. In Computer recognition systems. [3rd Conference on Computer Recognition Systems - KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 131–136.
- [506] KOSZALKA, L. Decision making system based on multistage simulation. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 173-178.
- [507] Koszalka, L. Evaluation of allocation algorithms for mesh-structured systems via multistage simulation. In Proceedings of the IASTED International Conference on Applied Simulation and Modelling, Rhodes, Greece, June 28-30, 2004 / Ed. M. H. Hamza. Anaheim, Ca. [i in.]: Acta Press, cop. 2004. (2004), pp. 462-467.
- [508] Koszalka, L. Static and dynamic allocation algorithms in mesh structured networks. Lecture Notes in Computer Science 4317 (2006).
- [509] Koszalka, L. The choice of mesh structure in computer networks. In Sixth International Conference on Networking (ICN 2007) [Dokument elektroniczny], Sainte-Luce, Martinique, France, 22-28 April 2007 / Eds Cosmin Dini [i in.]. Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2007.[6] s. (2007).
- [510] Koszalka, L. Simulation-based evaluation of distributed mesh allocation algorithms. Lecture Notes in Computer Science 4743 (2007).
- [511] Koszalka, L. Efektywne metody przetwarzania danych na potrzeby optymalizacji systemow komputerowych i sieci komputerowych algorytmy, badania eksperymentalne. Tech. Rep. nr 1, 2013.
- [512] KOSZALKA, L., AND BAZYLUK, M. Simulation based comparison of two approaches to multi-processors system management. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 203-210.
- [513] KOSZALKA, L., AND BRZOSTOWSKI, K. Computer experimentation system for testing identification algorithms. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 53-60.
- [514] Koszalka, L., and Chmaj, G. Nesting system with quantization and knowledge based applied. In Second International Conference on Systems. ICONS 2007 [Dokument elektroniczny], Sainte-Luce, Martinique, France, 22-28 April 2007 / Eds Leszek Koszalka [in.]. Los Alamitos [in.]: IEEE Computer Society [Press], cop. 2007.[6] s. (2007).

- [515] KOSZALKA, L., FRANZ, P., AND GEGA, K. Design of a fuzzy system performing data analysis for pressure equipment service life-span estimatio. In *Intelligent systems in tech*nical and medical diagnostics / Jozef Korbicz, Marek Kowal (eds.). Berlin; Heidelberg: Springer, cop. 2014., 8 (2014), Advances in Intelligent Systems and Computing, pp. 89–99.
- [516] Koszalka, L., Jakimczuk, L., Kmiecik, W. H., Pozniak-Koszalka, I., and Kasprzak, A. A. Evaluation of allocation algorithms for torus structured chip multi-processor systems. In 2014 International Conference on Information Science, Electronics and Electrical Engineering, ISEEE 2014 [Dokument elektroniczny]: proceedings, April 26-28, 2014, Sapporo City, Hokkaido, Japan / ed. by Xiaohong Jiang [i in.].[Piscataway, NJ]: IEEE, cop. 2014., 3 (2014), pp. 1532–1536.
- [517] KOSZALKA, L., KUBIAK, M., AND POZNIAK-KOSZALKA, I. Comparison of sba family task allocation algorithms for mesh structured networks. Lecture Notes in Computer Science 4331 (2006).
- [518] KOSZALKA, L., AND KUCHARZAK, M. Comparison of solution stability of meta-heuristic algorithms for qap and atsp problems. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 63-68.
- [519] Koszalka, L., Lisowski, D., and Pozniak-Koszalka, I. Comparison of allocation algorithms for mesh structured networks with using multistage simulation. *Lecture Notes* in Computer Science 3984 (2006).
- [520] KOSZALKA, L., AND LORENZ, P., Eds. NexComm 2015 [Dokument elektroniczny]: ICONS 2015: The Tenth International Conference on Systems, EMBEDDED 2015: International Symposium on Advances in Embedded Systems and Applications, April 19-24, 2015, Barcelona, Spain (2015), IARIA, [B.m.].
- [521] KOSZALKA, L., AND POZNIAK-KOSZALKA, I. On some trends in computer science and computer engineering teaching. In Sixteenth International Conference on Systems Engineering. ICSE '2003. Proceedings, Coventry, 9-11 September 2003. Vol. 1 / Eds Keith J. Burnham and Olivier C. L. Haas. Coventry: Coventry University, cop. 2003. (2003), pp. 393–398.
- [522] Koszalka, L., and Pozniak-Koszalka, I. Mesh-structured allocation algorithms evaluation using experimentation system. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [523] KOSZALKA, L., AND RUDEK, R. Computer experimentation system for testing optimisation algorithms. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan.Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 55-60.
- [524] Koszalka, L., Rudek, R., and Pozniak-Koszalka, I. An idea of using reinforcement learning in adaptive control systems. In *International Conference on Networking (ICN 2006) [Dokument elektroniczny], Morne, Mauritius, 23-28 April 2006 / Eds P. Lorenz [i in.].[Los Alamitos i in.] : IEEE Computer Society [Press], cop. 2006.[6] s. (2006).*
- [525] Koszalka, L., and Skworcow, P. Simulation and experimentation system for efficient job performing applied to veterinary medicine area. In Sixteenth International Conference on Systems Engineering. ICSE '2003. Proceedings, Coventry, 9-11 September 2003. Vol. 1 / Eds Keith J. Burnham and Olivier C. L. Haas. Coventry: Coventry University, cop. 2003. (2003), pp. 399-404.

- [526] KOSZALKA, L., AND SKWORCOW, P. Experimentation system for efficient job performing in veterinary medicine area. Lecture Notes in Computer Science 3483 (2005).
- [527] KOWALCZYK, D., AND KOSZALKA, L. Analysis of bittorrent networks. In InfoWare 2011 [Dokument elektroniczny]: The Sixth International Multi-Conference on Computing in the Global Information Technology, ICCGI 2011, June 19-24, 2011, Luxembourg City, Luxembourg / eds. Constantin Paleology, Constandinos Mavromoustakis, Marius Minea.[B.m.]: IARIA, cop. 2011. (2011), pp. 111-115.
- [528] KOWALSKI, B., KUBICKI, D., AND STAS, P. Minimizing the cost of deployment of base stations, wireless access network. In Człowiek - cywilizacja - przyszłosc : IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2011. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 51– 56.
- [529] KOWALSKI, J., KRAWCZYK, B., AND WOZNIAK, M. Fault diagnosis of marine 4-stroke diesel engines using a one-vs-one extreme learning ensemble. *Engineering Applications of Artificial Intelligence* 57 (2017).
- [530] KOZERSKI, J., AND KURZYNSKI, M. On a new method of dynamic integration of fuzzy linear regression models. In *Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).*[Cham]: Springer, cop. 2018., 64 (2018), Advances in Intelligent Systems and Computing, pp. 182–190.
- [531] KOZIARSKI, M., AND CYGANEK, B. Deep neural image denoising. In Computer vision and graphics: International Conference, ICCVG 2016, Warsaw, Poland, September 19-21, 2016: proceedings / Leszek J. Chmielewski, Amitava Datta, Ryszard Kozera, Konrad Wojciechowski (eds.).[Cham]: Springer, cop. 2016., 7 (2016), Lecture Notes in Computer Science, pp. 163-173.
- [532] KOZIARSKI, M., AND CYGANEK, B. Examination of the deep neural networks in classification of distorted signals. In Artificial intelligence and soft computing: 15th International Conference, ICAISC 2016, Zakopane, Poland, June 12 16, 2016: proceedings. Pt. 2 / Leszek Rutkowski, Marcin Korytkowski, Rafal Scherer, Ryszard Tadeusiewicz, Lotfi A. Zadeh, Jacek M. Zurada (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science., pp. 680–688.
- [533] Koziarski, M., Krawczyk, B., and Wozniak, M. Forming classifier ensembles with deterministic feature subspaces. In Proceedings of the 2016 Federated Conference on Computer Science and Information Systems [Dokument elektroniczny]: September 11-14, 2016, Gdansk, Poland / Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki (eds.).New York City: IEEE; Warszawa: Polskie Towarzystwo Informatyczne, 2016., 5 (2016), Annals of Computer Science and Information Systems, pp. 89-95.
- [534] KOZIARSKI, M., KRAWCZYK, B., AND WOZNIAK, M. The deterministic subspace method for contructing classifier ensembles. Pattern Analysis and Applications 20, 4 (2017).
- [535] KOZIARSKI, M., KRAWCZYK, B., AND WOZNIAK, M. Radial-based approach to imbalanced data oversampling. In Hybrid Artificial Intelligent Systems: 12th International Conference, HAIS 2017, La Rioja, Spain, June 21-23, 2017: proceedings / Francisco Javier Martinez de Pison, Ruben Urraca, Hector Quintian, Emilio Corchado (Eds.)[Cham]: Springer, cop. 2017., 7 (2017), Lecture Notes in Computer Science., pp. 318-327.
- [536] KOZIARSKI, M., KWATER, K., AND WOZNIAK, M. Wykorzystanie programow uczenia w glebokim uczeniu przez wzmacnianie. o istocie rozpoczynania od rzeczy malych. Tech. Rep. nr 45, 2017.

- [537] KOZIARSKI, M., AND WOZNIAK, M. Ccr: combined cleaning and resampling algorithm for imbalanced data classification. *International Journal of Applied Mathematics and Computer Science* 27, 4 (2017).
- [538] KOZIOL, M. Model of some class of multidimensional objects for knowledge based systems. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 249-252.
- [539] KOZIOL, M. Universal software system to support distributed simulation algorithms. In Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 183–187.
- [540] KOZIOL, M. An independent software system for wide range distributed computations. In Scalable systems and computer networks design and applications. SCALNET '04. International conference of science and technology, Kremenchug, Ukraine, 28-30 September 2004.Kremenchug: Kremenchug State Polytechnic University, cop. 2004. (2004), pp. 121–123.
- [541] KOZIOL, M. Scalable os independent structure for distributed simulation. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 69-72.
- [542] KOZIOL, M. Simulation model for testing of wan traffic and routing algorithms. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 9–13.
- [543] KOZIOL, M. An algorithm for optimisation of load and efficiency of some kind of simulation environment. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 119-124.
- [544] KOZIOL, M. An idea of optimization of load and efficiency of multiengine simulation environment. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 139-143.
- [545] KOZIOL, M. Modification of univariate decision tree algorithm c4.5. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 56-60.
- [546] KOZIOL, M. Decision tree induction environment scenarios. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 43–47.
- [547] KOZIOL, M. ""evolution, not revolution"": Iseries modern business platform. In Innovative technologies in management and science / Ryszard Klempous, Jan Nikodem (eds.). Cham [i in.]: Springer, cop. 2015.s. 29-39,12 rys., bibliogr. 4 poz.0,8, vol. vol. 10 of Topics in Intelligent Engineering and Informatics. 2015.
- [548] KOZIOL, M., AND WOZNIAK, M. Models of multivariate decision tree induction. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 185–192.

- [549] KOZIOL, M., AND WOZNIAK, M. Multivariate decision trees vs. univariate ones. In Computer recognition systems 3 / Marek Kurzynski, Michal Wozniak (eds.). Berlin; Heidelberg: Springer, cop. 2009.s. 275-284,1 rys., 2 tab., bibliogr. 34 poz., vol. nr 57 of Advances in Intelligent and Soft Computing. 2009.
- [550] Kraczynski, S., Tomczyk, S., Witkowski, G., and Zwolennik, D. Analiza efekty-wnosci algorytmow alokacji zadan w sieciach multikomputerowych typu mesh. In Człowiek cywilizacja przyszłosc: VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009: referaty. T. 2. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 19-24.
- [551] Krawczyk, B. Examining surgical instruments by clustering luminol patterns. In *Człowiek cywilizacja przyszłosc : VIII Konferencja Naukowa Studentow, Szklarska Poreba, 23-25 sierpnia 2010. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2010.* (2010), Prace Studentow Politechniki Wrocławskiej., pp. 300–305.
- [552] Krawczyk, B. Classification framework for high dimensionality biological data analysis. Zeszyty Naukowe Wydzialu Elektroniki, Telekomunikacji i Informatyki Politechniki Gdanskiej, 9 (2011).
- [553] Krawczyk, B. Classifier committee based on feature selection method for obstructive nephropathy diagnosis. In Semantic methods for knowledge management and communication / Radoslaw Katarzyniak [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011.s. 115-125,6 rys., 2 tab., bibliogr. 32 poz., vol. vol. 381 of Studies in Computational Intelligence. 2011.
- [554] Krawczyk, B. Prediction of milk/plasma drug concentration ratio using meta-learning and fdsd algorithm. In Czlowiek - cywilizacja - przyszlosc : IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2011. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 57-62.
- [555] Krawczyk, B. Computational intelligence methods in breast cancer analysis novel algorithms and medical applications. In 10th Student's Science Conference Man Civilization Future: Walbrzych, 12-15 July 2012. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012. (2012), Prace Studentow Politechniki Wrocławskiej., pp. 127–132.
- [556] Krawczyk, B. Diversity in ensembles for one-class classification. In New trends in databases and information systems / Mykola Pechenizkiy and Marek Wojciechowski (eds.).Berlin; Heidelberg: Springer, cop. 2012.s. 119-129,1 rys., 2 tab., bibliogr. 19 poz., vol. vol. 185 of Advances in Intelligent Systems and Computing. 2012.
- [557] Krawczyk, B. Pattern recognition approach to classifying cyp 2c19 isoform. Central European Journal of Medicine 7, 1 (2012).
- [558] Krawczyk, B. Combining one-class support vector machines for microarray classification. In Proceedings of the 2013 Federated Conference on Computer Science and Information Systems (FedCSIS), [September 8-11, 2013, Krakow, Poland] / Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki (eds.).Los Alamitos, Ca.: IEEE Computer Society Press; Warsaw: Polskie Towarzystwo Informatyczne, 2013., 5 (2013), Annals of Computer Science and Information Systems, pp. 83–89.
- [559] Krawczyk, B. Data stream classification using incremental support vector machine. Tech. Rep. nr 4, 2014.
- [560] Krawczyk, B. Developing active learning algorithm for an incremental learning method, for the case of the incremental and/or gradual drift. Tech. Rep. nr 91, 2015.
- [561] Krawczyk, B. Forming and pruning one-class classifier ensembles. PhD thesis, 2015.

- [562] Krawczyk, B. Forming ensembles of soft one-class classifiers with weighted bagging. New Generation Computing 33, 4 (2015).
- [563] Krawczyk, B. One-class classifier ensemble pruning and weighting with firefly algorithm. Neurocomputing 150 (2015).
- [564] Krawczyk, B. Propozycja nowych komitetow klasyfikatorow jednoklasowych bazujacych na wazonej agregacji funkcji wsparc, ktore posiadaja zdolnosc adaptacji sie do zmian w strumieniach danych i wykorzystujacych mechanizm zapominania. Tech. Rep. nr 38, 2015.
- [565] Krawczyk, B. Combining one-vs-one decomposition and ensemble learning for multiclass imbalanced data. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 7 (2016), Advances in Intelligent Systems and Computing, pp. 27–36.
- [566] Krawczyk, B. Cost-sensitive one-vs-one ensemble for multi-class imbalanced data. In 2016 International Joint Conference on Neural Networks (IJCNN) [Dokument elektroniczny]: 24-29 July, 2016, Vancouver, Canada. [Piscataway, NJ]: IEEE, cop. 2016s. 2447-2452, 4 (2016).
- [567] Krawczyk, B. Gpu-accelerated extreme learning machines for imbalanced data streams with concept drift. Procedia Computer Science [Dokument elektroniczny] 80 (2016).
- [568] Krawczyk, B. Guided active learning for driftingdata streams. Tech. Rep. nr 24, 2016.
- [569] Krawczyk, B. Handling multi-class imbalanced data with undersampling based on support vectors. Tech. Rep. nr 73, 2016.
- [570] Krawczyk, B. Hybrid one-class ensemble for high-dimensional data classification. In Intelligent Information and Database Systems: 8th Asian Conference, ACHDS 2016, Da Nang, Vietnam, March 14-16, 2016: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Bogdan Trawinski, Hamido Fujita, Tzung-Pei Hong (eds.).Berlin; Heidelberg: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science., pp. 136-144.
- [571] Krawczyk, B. Local classifiers for learning from binary and multi-class imbalanced data. Tech. Rep. nr 65, 2017.
- [572] Krawczyk, B., and Cyganek, B. Selecting locally specialised classifiers for one-class classification ensembles. Pattern Analysis and Applications 20, 2 (2017).
- [573] Krawczyk, B., and Filipczuk, P. Cytological image analysis with firefly nuclei detection and hybrid one-class classification decomposition. *Engineering Applications of Artificial Intelligence 31* (2014).
- [574] Krawczyk, B., Filipczuk, P., and Wozniak, M. Adaptive splitting and selection algorithm for classification of breast cytology images. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.).Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 475–484.
- [575] Krawczyk, B., Filipczuk, P., Wozniak, M., and Obuchowicz, A. Diversity-based classifier selection for breast cancer cytological image analysis. *Biomedical Engineering: Applications, Basis and Communications* 25, 6 (2013).

- [576] Krawczyk, B., Galar, M., Jelen, L., and Herrera, F. Evolutionary undersampling boosting for imbalanced classification of breast cancer malignancy. *Applied Soft Computing* 38 (2016).
- [577] KRAWCZYK, B., JELEN, L., KRZYZAK, A., AND FEVENS, T. Oversampling methods for classification of imbalanced breast cancer malignancy data. In Computer vision and graphics: international conference, ICCVG 2012, Warsaw, Poland, September 24-26, 2012: proceedings / Leonard Bolc [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 483-490.
- [578] KRAWCZYK, B., JELEN, L., KRZYZAK, A., AND FEVENS, T. One-class classification decomposition for imbalanced classification of breast cancer malignancy data. In Artificial intelligence and soft computing: 13th International Conference, ICAISC 2014, Zakopane, Poland, June 1-5, 2014: proceedings. Pt. 1 / Leszek Rutkowski [i in.] (eds.).Cham [i in.]: Springer, cop. 2014., 8 (2014), Lecture Notes in Computer Science., pp. 539-550.
- [579] Krawczyk, B., Jelen, L., and Wozniak, M. Adaptive splitting and selection ensemble for breast cancer malignancy grading. In 2014 IEEE Symposium Series on Computational Intelligence [Dokument elektroniczny]: IEEE SSCI 2014: 2014 IEEE Symposium on Computational Intelligence in Healthcare and e-health, CICARE 2014: proceedings, December 9-12, 2014, Orlando, Florida, USA.Piscataway, NJ: IEEE, cop. 2014., 6 (2014), pp. 104-111.
- [580] Krawczyk, B., Ksieniewicz, P., and Wozniak, M. Hyperspectral image analysis based on color channels and ensemble classifier. In *Hybrid artificial intelligence systems : 9th international conference, HAIS 2014, Salamanca, Spain, June 11-13, 2014 : proceedings / Marios Polycarpou [i in.] (eds.).Cham [i in.] : Springer, cop. 2014., 8 (2014), Lecture Notes in Computer Science., pp. 274–284.*
- [581] Krawczyk, B., Ksieniewicz, P., and Wozniak, M. Hyperspectral image analysis based on quad tree decomposition. In *International Joint Conference SOCO'14-CISIS'14-ICEUTE'14*, Bilbao, Spain, June 25th-27th, 2014: proceedings / Jose Gaviria de la Puerta [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 6 (2014), Advances in Intelligent Systems and Computing, pp. 105–113.
- [582] Krawczyk, B., Minku, L. L., Gama, J., Stefanowski, J., and Wozniak, M. Ensemble learning for data stream analysis: A survey. *Information Fusion 37* (2017).
- [583] Krawczyk, B., Saez, J. A., and Wozniak, M. Tackling label noise with multiclass decomposition using fuzzy one-class support vector machines. In 2016 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 24-29 July 2016, Vancouver, Canada. Piscataway, NJ: IEEE, cop. 2016., 6 (2016), pp. 915-922.
- [584] Krawczyk, B., and Schaefer, G. Effective multiple classifier systems for breast thermogram analysis. In ICPR 2012: the 21st International Conference on Pattern Recognition [Dokument elektroniczny]: November 11-15, 2012, Tsukuba, Japan.Los Alamitos, Ca. [inn.]: IEEE Computer Society, cop. 2012. (2012), pp. 3345-3348.
- [585] KRAWCZYK, B., AND SCHAEFER, G. Ensemble fusion methods for medical data classification. In NEUREL 2012 [Dokument elektroniczny]: Eleventh Symposium on Neural Network Applications in Electrical Engineering: proceedings, September 20-22, 2012, Belgrade, Serbia / eds. Branimir Reljin, Srdan Stankovic. [Piscataway, NJ]: IEEE, cop. 2012. (2012), pp. 143–146.
- [586] Krawczyk, B., and Schaefer, G. An analysis of properties of malignant cases for imbalanced breast thermogram feature classification. In 2013 Second IAPR Asian Conference on Pattern Recognition, ACPR 2013, 5-8 November 2013, Naha, Okinawa, Japan.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2013., 3 (2013), pp. 305–309.

- [587] Krawczyk, B., and Schaefer, G. An improved ensemble approach for imbalanced classification problems. In SACI 2013: 8th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 23-25, 2013, Timisoara, Romania. Piscataway, NJ: IEEE, cop. 2013., 3 (2013), pp. 423-426.
- [588] Krawczyk, B., and Schaefer, G. A pruned ensemble classifier for effective breast thermogram analysis. In 35th Annual International Conference of the IEEE EMBS, Osaka, Japan, 3-7 July 2013. [Piscataway, NJ]: IEEE, cop. 2013., 3 (2013), pp. 7120-7123.
- [589] Krawczyk, B., and Schaefer, G. Pruned under-sampling balanced ensemble for breast thermogram analysis. In *International Conference on Medical Imaging using Bio-inspired* and Soft Computing, MIBISOC '2013 [Dokument elektroniczny]: 15-17 May, 2013, Brussels (Belgium). Mieres, Asturias: European Centre for Soft Computing, [2013]., 3 (2013), pp. 207-211.
- [590] Krawczyk, B., and Schaefer, G. Breast thermogram analysis using classifier ensembles and image symmetry features. IEEE Systems Journal 8, 3 (2014).
- [591] Krawczyk, B., and Schaefer, G. A hybrid classifier committee for analysing asymmetry features in breast thermograms. Applied Soft Computing 20 (2014).
- [592] KRAWCZYK, B., SCHAEFER, G., AND WOZNIAK, M. Breast thermogram analysis using a cost-sensitive multiple classifier system. In Proceedings of the IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI 2012), Hong Kong and Shenzhen, China, 2-7 January 2012. [Piscataway, NJ]: IEEE, cop. 2012. (2012), pp. 507-510.
- [593] Krawczyk, B., Schaefer, G., and Wozniak, M. Combining one-class classifiers for imbalanced classification of breast thermogram features. In Proceedings of the 2013 IEEE Symposium Series on Computational Intelligence (SSCI) [Dokument elektroniczny] : 2013 Fourth International Workshop on Computational Intelligence in Medical Imaging (CIMI), 16-19 April 2013, Singapore.Piscataway, NJ: IEEE, cop. 2013., 5 (2013), pp. 36-41.
- [594] Krawczyk, B., Schaefer, G., and Wozniak, M. A cost-sensitive ensemble classifier for breast cancer classification. In SACI 2013: 8th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 23-25, 2013, Timisoara, Romania. Piscataway, NJ: IEEE, cop. 2013., 3 (2013), pp. 427-430.
- [595] Krawczyk, B., Schaefer, G., and Wozniak, M. An evaluation of classifier ensembles for class imbalance problems. In *International Conference on Informatics*, Electronics & Vision (ICIEV) [Dokument elektroniczny]: 17-18 May 2013, Dhaka, Bangladesh.[Piscataway, NJ]: IEEE, cop. 2013., 3 (2013), pp. 1-4.
- [596] Krawczyk, B., Schaefer, G., and Wozniak, M. A hybrid cost-sensitive ensemble for imbalanced breast thermogram classification. Artificial Intelligence in Medicine 65, 3 (2015).
- [597] Krawczyk, B., Schaefer, G., and Zhu, S. Y. Breast cancer identification based on thermal analysis and a clustering and selection classification ensemble. In *Brain and health* informatics: International Conference, BHI 2013, Maebashi, Japan, October 29-31, 2013 : proceedings / Kazuyuki Imamura [i in.] (eds.).Cham [i in.]: Springer, cop. 2013., 7 (2013), Lecture Notes in Computer Science., pp. 256-265.
- [598] Krawczyk, B., Simic, D., Simic, S., and Wozniak, M. Automatic diagnosis of primary headaches by machine learning methods. *Central European Journal of Medicine 8*, 2 (2013).

- [599] Krawczyk, B., Triguero, I., Garcia, S., Wozniak, M., and Herrera, F. A first attempt on evolutionary prototype reduction for nearest neighbor one-class classification. In 2014 World Congress on Computational Intelligence: 2014 IEEE Congress on Evolutionary Computation (CEC) [Dokument elektroniczny]: July 6-11, 2014, Beijing, China. Piscataway, NJ: IEEE, cop. 2014., 5 (2014), pp. 747-753.
- [600] Krawczyk, B., and Wozniak, M. Designing cost-sensitive ensemble genetic approach. In Image processing and communications challanges 3 / Ryszard S. Choras (ed.). Berlin; Heidelberg: Springer, cop. 2011.s. 227-234,2 rys., bibliogr. 22 poz., vol. vol. 102 of Advances in Intelligent and Soft Computing. 2011.
- [601] Krawczyk, B., and Wozniak, M. Hypertension diagnosis using compound pattern recognition methods. *Journal of Medical Informatics & Technologies 18* (2011).
- [602] Krawczyk, B., and Wozniak, M. Privacy preserving models of k-nn algorithm. In Computer recognition systems 4 / Robert Burduk [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011.s. 207-217,4 rys., bibliogr. 25 poz., vol. nr 95 of Advances in Intelligent and Soft Computing. 2011.
- [603] Krawczyk, B., and Wozniak, M. Analysis of diversity assurance methods for combined classifiers. In *Image processing and communications challanges 4 / Ryszard S. Choras* (ed.).Berlin; Heidelberg: Springer, cop. 2013 (dr. 2012).s. 179-186,2 tab., bibliogr. 21 poz., vol. nr 184 of Advances in Intelligent Systems and Computing. 2012.
- [604] Krawczyk, B., and Wozniak, M. Combining diverse one-class classifiers. In *Hybrid artificial intelligent systems: 7th international conference, HAIS 2012, Salamanca, Spain, March 28-30, 2012: proceedings. Pt. 2 / eds. Emilio Corchado [i in.].Berlin: Springer, 2012.* (2012), Lecture Notes in Computer Science., pp. 590–601.
- [605] Krawczyk, B., and Wozniak, M. Efficient privacy model of distributed minimal distance classification. Tech. Rep. nr 10, 2012.
- [606] Krawczyk, B., and Wozniak, M. Experiments on distance measures for combining one-class classifiers. In Proceedings of the Federated Conference on Computer Science and Information Systems [Dokument elektroniczny]: September 9-12, 2012, Wrocław, Poland / M. Ganzha, L. Maciaszek, M. Paprzycki (eds.).Los Alamitos, Ca.: IEEE Computer Society Press; Warsaw: Polskie Towarzystwo Informatyczne, 2012. (2012), pp. 89-92.
- [607] Krawczyk, B., and Wozniak, M. Accuracy and diversity in classifier selection for one-class classification ensembles. In Proceedings of the 2013 IEEE Symposium Series on Computational Intelligence (SSCI) [Dokument elektroniczny]: 2013 IEEE Symposium on Computational Intelligence and Ensemble Learning (CIEL), 16-19 April 2013, Singapore. Piscataway, NJ: IEEE, cop. 2013., 5 (2013), pp. 46-51.
- [608] Krawczyk, B., and Wozniak, M. Distributed privacy-preserving minimal distance classification. In Hybrid artificial intelligent systems: 8th international conference, HAIS 2013, Salamanca, Spain, September 11-13, 2013: proceedings / Jeng-Shyang Pan [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013., 7 (2013), Lecture Notes in Computer Science., pp. 462-471.
- [609] Krawczyk, B., and Wozniak, M. Incremental learning and forgetting in one-class classifiers for data streams. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.). Cham [i in.]: Springer, cop. 2013., 7 (2013), Advances in Intelligent Systems and Computing, pp. 319–328.

- [610] Krawczyk, B., and Wozniak, M. On diversity measures for fuzzy one-class classifier ensembles. In *Proceedings of the 2013 IEEE Symposium Series on Computational Intelligence (SSCI) [Dokument elektroniczny]: 2013 IEEE Symposium on Computational Intelligence and Ensemble Learning (CIEL), 16-19 April 2013, Singapore.Piscataway, NJ: IEEE, cop. 2013., 5 (2013)*, pp. 60-65.
- [611] Krawczyk, B., and Wozniak, M. Pruning one-class classifier ensembles by combining sphere intersection and consistency measures. In *Artificial intelligence and soft computing*: 12th International Conference, ICAISC 2013, Zakopane, Poland, June 9-13, 2013: proceedings. Pt. 1 / Leszek Rutkowski [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013., 8 (2013), Lecture Notes in Computer Science., pp. 426–436.
- [612] Krawczyk, B., and Wozniak, M. Diversity measures for one-class classifier ensembles. Neurocomputing 126 (2014).
- [613] Krawczyk, B., and Wozniak, M. Evolutionary cost-sensitive ensemble for malware detection. In *International Joint Conference SOCO'14-CISIS'14-ICEUTE'14*, Bilbao, Spain, June 25th-27th, 2014: proceedings / Jose Gaviria de la Puerta [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Advances in Intelligent Systems and Computing, pp. 433-442.
- [614] Krawczyk, B., and Wozniak, M. Experiments on simultaneous combination rule training and ensemble pruning algorithm. In 2014 IEEE Symposium Series on Computational Intelligence [Dokument elektroniczny]: IEEE SSCI 2014: 2014 IEEE Symposium on Computational Intelligence in Ensemble Learning, CIEL 2014: proceedings, December 9-12, 2014, Orlando, Florida, USA. Piscataway, NJ: IEEE, cop. 2014., 4 (2014), pp. 1-6.
- [615] Krawczyk, B., and Wozniak, M. Influence of distance measures on the effectiveness of one-class classification ensembles. Applied Artificial Intelligence 28, 3 (2014).
- [616] Krawczyk, B., and Wozniak, M. New untrained aggregation methods for classifier combination. In 2014 World Congress on Computational Intelligence: 2014 International Joint Conference on Neural Networks (IJCNN) [Dokument elektroniczny]: July 6-11, 2014, Beijing, China. Piscataway, NJ: IEEE, cop. 2014., 4 (2014), pp. 617-622.
- [617] Krawczyk, B., and Wozniak, M. One-class classification ensemble with dynamic classifier selection. In Advances in neural networks ISNN 2014: 11th International Symposium on Neural Networks, ISNN 2014, Hong Kong and Macao, China, November 28 December 1, 2014: proceedings / Zhigang Zeng, Yangmin Li, Irwin King (eds.). Cham [i in.]: Springer, cop. 2014., 6 (2014), Lecture Notes in Computer Science, pp. 542–549.
- [618] Krawczyk, B., and Wozniak, M. Optimization algorithms for one-class classification ensemble pruning. In *Intelligent Information and Database Systems: 6th Asian Conference, ACHDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 2 / Ngoc Thanh Nguyen [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Lecture Notes in Computer Science., pp. 127–136.*
- [619] Krawczyk, B., and Wozniak, M. Untrained method for ensemble pruning and weighted combination. In Advances in neural networks - ISNN 2014: 11th International Symposium on Neural Networks, ISNN 2014, Hong Kong and Macao, China, November 28 - December 1, 2014: proceedings / Zhigang Zeng, Yangmin Li, Irwin King (eds.).Cham [i in.]: Springer, cop. 2014., 6 (2014), Lecture Notes in Computer Science, pp. 358–365.
- [620] Krawczyk, B., and Wozniak, M. Combining nearest neighbour classifiers based on small subsamples for big data analytics. In 2015 IEEE 2nd International Conference on Cybernetics, CYBCONF 2015 [Dokument elektroniczny]: Gdynia, Poland, 24-26 June 2015 / eds. Piotr Jedrzejowicz [i in.]. Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 311-316.

- [621] Krawczyk, B., and Wozniak, M. Cost-sensitive neural network with roc-based moving threshold for imbalanced classification. In *Intelligent data engineering and automated learning IDEAL 2015 : 16th International Conference, Wrocław, Poland, October 14-16, 2015 : proceedings / Konrad Jackowski [i in.] (eds).Cham [i in.] : Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 45–52.*
- [622] Krawczyk, B., and Wozniak, M. Handling label noise in microarray classification with one-class classifier ensemble. In ICT innovations 2014: world of data / Ana Madevska Bogdanova, Dejan Gjorgjevikj (eds.). Cham [i in.]: Springer, cop. 2015.s. 351-359,4 tab., bibliogr. 22 poz.0,6, vol. vol. 311 of Advances in Intelligent Systems and Computing. 2015.
- [623] Krawczyk, B., and Wozniak, M. Hypertension type classification using hierarchical ensemble of one-class classifiers for imbalanced data. In *ICT innovations 2014: world of data / Ana Madevska Bogdanova, Dejan Gjorgjevikj (eds.).Cham [i in.]: Springer, cop. 2015.s. 341-349,1 rys., 2 tab., bibliogr. 21 poz.0,6, vol. vol. 311 of Advances in Intelligent Systems and Computing. 2015.*
- [624] Krawczyk, B., and Wozniak, M. Incremental weighted one-class classifier for mining stationary data streams. *Journal of Computational Science 9* (2015).
- [625] Krawczyk, B., and Wozniak, M. One-class classifiers with incremental learning and forgetting for data streams with concept drift. Soft Computing 19, 12 (2015).
- [626] Krawczyk, B., and Wozniak, M. Pruning ensembles of one-class classifiers with x-means clustering. In *Intelligent Information and Database Systems: 7th Asian Conference, ACIIDS 2015, Bali, Indonesia, March 23-25, 2015: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Bogdan Trawinski, Raymond Kosala (eds.).Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science.*, pp. 484–493.
- [627] KRAWCZYK, B., AND WOZNIAK, M. Pruning ensembles with cost constraints. In Intelligent Information and Database Systems: 7th Asian Conference, ACHDS 2015, Bali, Indonesia, March 23-25, 2015: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Bogdan Trawinski, Raymond Kosala (eds.). Cham [i in.]: Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science., pp. 503-512.
- [628] Krawczyk, B., and Wozniak, M. Reacting to different types of concept drift with adaptive and incremental one-class classifiers. In 2015 IEEE 2nd International Conference on Cybernetics, CYBCONF 2015 [Dokument elektroniczny]: Gdynia, Poland, 24-26 June 2015 / eds. Piotr Jedrzejowicz [i in.]. Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 30-35
- [629] Krawczyk, B., and Wozniak, M. Wagging for combining weighted one-class support vector machines. *Procedia Computer Science [Dokument elektroniczny] 51* (2015).
- [630] Krawczyk, B., and Wozniak, M. Weighted naive bayes classifier with forgetting for drifting data streams. In 2015 IEEE International Conference on Systems, Man, and Cybernetics [Dokument elektroniczny]: 9-12 October 2015, Hong Kong: proceedings.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2015., 6 (2015), pp. 2147-2152.
- [631] Krawczyk, B., and Wozniak, M. Dynamic classifier selection for one-class classification. Knowledge-Based Systems 107 (2016).
- [632] Krawczyk, B., and Wozniak, M. Mining imbalanced medical streams for automated fetal state assessment. In 4th Workshop on Machine Learning in Life Sciences (MLLS), 23 September 2016, Riva del Garda, Italy, 23 September 2016: proceedings. Wroclaw: Wroclaw University of Science and Technology, 2016., 8 (2016), pp. 1-12.

- [633] Krawczyk, B., and Wozniak, M. Untrained weighted classifier combination with embedded ensemble pruning. *Neurocomputing* 196 (2016).
- [634] KRAWCZYK, B., AND WOZNIAK, M. Online query by committee for active learning from drifting data streams. In IJCNN 2017: The International Joint Conference on Neural Networks [Dokument elektroniczny]: May 14-19, 2017, Anchorage, Alaska, USA. [Piscataway, NJ]: IEEE, cop. 2017., 5 (2017), pp. 2120-2127.
- [635] Krawczyk, B., Wozniak, M., and Cyganek, B. Clustering-based ensemble of oneclass classifiers for hyperspectral image segmentation. In *Hybrid artificial intelligence* systems: 9th international conference, HAIS 2014, Salamanca, Spain, June 11-13, 2014 : proceedings / Marios Polycarpou [i in.] (eds.).Cham [i in.]: Springer, cop. 2014., 8 (2014), Lecture Notes in Computer Science., pp. 678-688.
- [636] Krawczyk, B., Wozniak, M., and Cyganek, B. Clustering-based ensembles for oneclass classification. *Information Sciences* 264 (2014).
- [637] Krawczyk, B., Wozniak, M., and Cyganek, B. Weighted one-class classifier ensemble based on fuzzy feature space partitioning. In 22nd International Conference on Pattern Recognition (ICPR) [Dokument elektroniczny]: proceedings, 24-28 August 2014, Stockholm, Sweden.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2014., 5 (2014), pp. 2838–2843.
- [638] Krawczyk, B., Wozniak, M., and Herrera, F. Weighted one-class classification for different types of minority class examples in imbalanced data. In 2014 IEEE Symposium Series on Computational Intelligence [Dokument elektroniczny]: IEEE SSCI 2014: 2014 IEEE Symposium on Computational Intelligence and Data Mining, CIDM 2014: proceedings, December 9-12, 2014, Orlando, Florida, USA.Piscataway, NJ: IEEE, cop. 2014., 6 (2014), pp. 337-344.
- [639] Krawczyk, B., Wozniak, M., and Herrera, F. On the usefulness of one-class classifier ensembles for decomposition of multi-class problems. *Pattern Recognition* 48, 12 (2015).
- [640] Krawczyk, B., Wozniak, M., and Kasprzak, A. A. Improving ensemble diversity with active learning for online data stream mining. Tech. Rep. nr 33, 2016.
- [641] Krawczyk, B., Wozniak, M., Orczyk, T., and Porwik, P. Adaptive splitting and selection method for noninvasive recognition of liver fibrosis stage. In *Intelligent Information and Database Systems: 5th Asian Conference, ACIIDS 2013, Kuala Lumpur, Malaysia, March 18-20, 2013: proceedings. Pt. 2 / Ali Selamat, Ngoc Thanh Nguyen, Habibollah Haron (eds.).Berlin; Heidelberg: Springer, cop. 2013.*, 7 (2013), Lecture Notes in Computer Science., pp. 215–224.
- [642] Krawczyk, B., Wozniak, M., Orczyk, T., and Porwik, P. Cost sensitive hierarchical classifiers for non-invasive recognition of liver fibrosis stage. In *Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.).Cham [i in.]: Springer, cop. 2013., 6 (2013), Advances in Intelligent Systems and Computing, pp. 639–647.*
- [643] Krawczyk, B., Wozniak, M., Orczyk, T., Porwik, P., Musialik, J., and Blonska-Fajfrowska, B. Classification techniques for non-invasive recognition of liver fibrosis stage. *Journal of Medical Informatics & Technologies 20* (2012).
- [644] Krawczyk, B., Wozniak, M., Orczyk, T., Porwik, P., Musialik, J., and Blonska-Fajfrowska, B. Neural network ensemble based on feature selection for non-invasive recognition of liver fibrosis stage. In Soft computing in industrial applications: proceedings of the 17th Online World Conference on Soft Computing in Industrial Applications / Vaclav Snasel [i in.] (eds). Cham [i in.]: Springer, cop. 2014., 7 (2014), Advances in Intelligent Systems and Computing, pp. 15–24.

- [645] Krawczyk, B., Wozniak, M., and Schaefer, G. Cost-sensitive decision tree ensembles for effective imbalanced classification. *Applied Soft Computing* 14 (2014).
- [646] KRECICKI, T., Dus, D., KOZLAK, J., TARNAWSKI, W., JELEN, M., ZALESSKA-KRECICKA, M., AND SZKUDLAREK, T. Quantitative evaluation of angiogenesis in laryngeal cancer by digital image measurement of the vessel density. *Auris, Nasus, Larynx 29*, 3 (2002).
- [647] KRET, P., BURNHAM, K. J., LARKOWSKI, T., AND KOSZALKA, L. Control optimisation of a domestic heating system. In ICSEng 2011: [21st] International Conference on Systems Engineering: proceedings, 16-18 August, 2011, Las Vegas, Nevada / ed. by Henry Selvaraj and Dawid Zydek.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2011. (2011), pp. 55-58.
- [648] Krol, D., and Koszalka, L. Comparision of algorithms for task scheduling on parallel executors. In Information systems architecture and technology [Dokument elektroniczny]: systems analysis approach to the design, control and decision support / eds. Jerzy Swiatek [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012.s. 251-260,3 rys., 2 tab., bibliogr. 12 poz., Biblioteka Informatyki Szkol Wyzszych. 2012.
- [649] Krol, D., Zydek, D., and Koszalka, L. Problem-indepenent approach to multiprocessor dependent task scheduling. *International Journal of Electronics and Telecommuni*cations 58, 4 (2012).
- [650] KRYSMANN, M. Novel approach to automatic examination of surgical instruments. In Czlowiek - cywilizacja - przyszłosc : VIII Konferencja Naukowa Studentow, Szklarska Poreba, 23-25 sierpnia 2010. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2010. (2010), Prace Studentow Politechniki Wrocławskiej., pp. 294-299.
- [651] KRYSMANN, M. Recignition of handwritten symbols in example application of noughts and crosses game using machine learning methods. In Człowiek - cywilizacja - przyszłosc: IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2011., Streszcz. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 69–74.
- [652] KRYSMANN, M. Intelligent electroencephalography sleep stage detection. In 10th Student's Science Conference Man - Civilization - Future: Walbrzych, 12-15 July 2012. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012. (2012), Prace Studentow Politechniki Wrocławskiej., pp. 167–172.
- [653] KRYSMANN, M. Eeg based palmar grasp detection. In 11th Students' Science Conference Man - Civilization - Future: Bedlewo, 3-6 October 2013. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2013., Streszcz.0, 4 (2013), Prace Studentow Politechniki Wroclawskiej., pp. 335–340.
- [654] KRYSMANN, M. Meta-features creation methods in multi-modal biosignal recognition. In 12th Students' Science Conference [Dokument elektroniczny], Boguszow-Gorce, 18-21 September 2014. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2014., 4 (2014), Prace Studentow Politechniki Wrocławskiej., pp. 355–360.
- [655] KRYSMANN, M. Multiclassifier system with hybrid learning applied to the control of bioprosthetic hand. Tech. Rep. nr 18, 2014.
- [656] KRYSMANN, M. Multistage dynamic multi-classifier applied to biosignal recognition. In International Conference on Machine Vision and Machine Learning, MVML'14 [Dokument elektroniczny]: August 14-15, 2014, Prague, Czech Republic.[Ottawa]: Avestia Publishing, cop. 2014., 6 (2014), pp. 1-8.

- [657] KRYSMANN, M. Algorytm parametryzacji biosygnalow z wykorzystaniem transformaty hilberta-huanga oraz badania eksperymentalne w zastosowaniu do rozpoznawania ruchow chwytnych bioprotezy. Tech. Rep. nr 11, 2015.
- [658] KRYSMANN, M. Takagi-sugeno-kanga fuzzy fusion in dynamic multi-classifier system. In Proceedings of the 2nd World Congress on Electrical Engineering and Computer Systems and Science, EECSS'16 [Dokument elektroniczny]: August 16-17, 2016 Budapest, Hungary.[Ottawa]: International ASET, 2016., 5 (2016), pp. 108-1 - 108-7.
- [659] KRYSMANN, M., AND KURZYNSKI, M. On new methods of dynamic ensemble selection based on randomized reference classifier. *Journal of Medical Informatics & Technologies* 20 (2012).
- [660] Krysmann, M., and Kurzynski, M. Methods of learning classifier competence applied to the dynamic ensemble selection. In *Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.).Cham [i in.]: Springer, cop. 2013., 7 (2013), Advances in Intelligent Systems and Computing, pp. 151–160.*
- [661] KSIENIEWICZ, P. Propozycja metod zapewniania roznorodnosci puli klasyfikatorow elementarnych dla zadania kombinowanej klasyfikacji obrazow nadwidmowych wraz z ocena eksperymentalna. Tech. Rep. nr 21, 2014.
- [662] KSIENIEWICZ, P. Implementacja c++ algorytmu weighted aged ensemble zmodyfikowanego dla problemu klasyfikacji danych strumieniowych. Tech. Rep. nr 52, 2015.
- [663] KSIENIEWICZ, P. Implementacja java/moa algorytmu uczenia aktywnego dla problemu klasyfikacji danych strumieniowych. Tech. Rep. nr 110, 2015.
- [664] KSIENIEWICZ, P. System kolekcjonujacy dane pogodowe na bazie meteorogramow. Mechanik, 10 (2015).
- [665] KSIENIEWICZ, P. Entropodynamic percentile filter. Tech. Rep. nr 12, 2017.
- [666] KSIENIEWICZ, P. Entropodynamiczny filtr percentylowy. Tech. Rep. nr 44, 2017.
- [667] KSIENIEWICZ, P. Multidimensional data representation and analysis. PhD thesis, 2017.
- [668] KSIENIEWICZ, P., GRANA, M., AND WOZNIAK, M. Blurred labeling segmentation algorithm for hyperspectral images. In Computational Collective Intelligence: 7th International Conference, ICCCI 2015, Madrid, Spain, September 21-23, 2015: proceedings. Pt. 2 / Manuel Nunez [i in.] (eds.).Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science., pp. 578-587.
- [669] KSIENIEWICZ, P., GRANA, M., AND WOZNIAK, M. Paired feature multilayer ensemble concept and evaluation of a classifier. *Journal of Intelligent & Fuzzy Systems* 32, 2 (2017).
- [670] KSIENIEWICZ, P., JANKOWSKI, D., AYERDI, B., JACKOWSKI, K., GRANA, M., AND WOZNIAK, M. A novel hyperspectral segmentation algorithm - concept and evaluation. *Logic Journal of the IGPL 23*, 1 (2015).
- [671] KSIENIEWICZ, P., KRAWCZYK, B., AND WOZNIAK, M. Ensemble of one-dimensional classifiers for hyperspectral image analysis. In *Data Mining and Big Data: First International Conference, DMBD 2016, Bali, Indonesia, June 25-30, 2016: proceedings / Ying Tan, Yuhui Shi (eds.).*[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science, pp. 513–520.

- [672] KSIENIEWICZ, P., KRAWCZYK, B., AND WOZNIAK, M. Ensemble of extreme learning machines with trained classifier combination and statistical features for hyperspectral data. *Neurocomputing* 271 (2018).
- [673] KSIENIEWICZ, P., WALKOWIAK, K., AND WOZNIAK, M. Exposer classifier ensemble based on representation learning - experimental evaluation and software implementation. Tech. Rep. nr 34, 2016.
- [674] KSIENIEWICZ, P., AND WOZNIAK, M. Artificial photoreceptors for ensemble classification of hyperspectral images. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 6 (2016), Advances in Intelligent Systems and Computing, pp. 471–479.
- [675] KSIENIEWICZ, P., AND WOZNIAK, M. Badanie wpływu ograniczenia parametryzacji algorytmu exposer classifier ensemble przy klasyfikacji danych wielowymiarowych. Tech. Rep. nr 68, 2016.
- [676] KSIENIEWICZ, P., AND WOZNIAK, M. Imbalance medical data classification using exposer classifier ensemble. In 4th Workshop on Machine Learning in Life Sciences (MLLS), 23 September 2016, Riva del Garda, Italy, 23 September 2016: proceedings. Wroclaw: Wroclaw University of Science and Technology, 2016., 7 (2016), pp. 1–9.
- [677] KSIENIEWICZ, P., AND WOZNIAK, M. Dealing with the task of imbalanced, multidimensional data classification using ensembles of exposers. In First International Workshop on Learning with Imbalanced Domains: Theory and Applications, LIDTA 2017, 22 September 2017, ECML-PKDD, Skopje, Macedonia / ed. Luis Torgo [i in.].[B.m.: b.w.], cop. 2017., 8 (2017), Proceedings of Machine Learning Research, pp. 164–175.
- [678] Kubacki, J., Koszalka, L., and Pozniak-Koszalka, I. Comparison of heuristic algorithms solving mesh network path finding problem. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 99–104.
- [679] Kubacki, J., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Comparison of heuristic algorithms to solving mesh network path finding problem. In Proceedings of the 4th International Conference on Frontier of Computer Science and Technology, FCST 2009, Shanghai, China, 17-19 December 2009 / ed. by Minyi Guo, Feilong Tang, Yao Shen.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2009. (2009), pp. 388–392
- [680] Kubasiak, P., Koszalka, L., Ryba, P., and Gadek, L. Adaptive control by linear controller of second order object on example of the dc motor. In Twenty-Second International Conference on Systems Engineering [Dokument elektroniczny]: proceedings, 11-13 September 2012, Coventry, UK / eds. Keith J. Burnham, Vincent Erasnilli; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2012]. (2012), pp. 129-134.
- [681] Kubiak, M., and Koszalka, L. Wsba allocation algorithm for mesh structured networks and multicomputers. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 81–92.
- [682] Kubiak, M., Larkowski, T., and Koszalka, L. Okienkowo-stosowany algorytm alokacji zadan dla multikomputerow zorientowanych siatkowo. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 325–332.

- [683] Kubiak, M., Larkowski, T., and Koszalka, L. Comparison of sba-family task allocation algorithms for mesh structures. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 107–116.
- [684] KUCHARZAK, M. Wymiarowanie sieci wielowarstwowych z uwzglednieniem przepływu jedno i wieloskładnikowego. In Człowiek cywilizacja przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 95–100.
- [685] KUCHARZAK, M. Constrait programming algorithms for optimization of anycast and multicast traffic in elastic optical network. Tech. Rep. nr 102, 2015.
- [686] KUCHARZAK, M. Algorytmy wyznaczania przepływow sieciowych w systemach P2P. PhD thesis, 2016.
- [687] KUCHARZAK, M., KIBILDA, J., FILO, M., AND PIESIEWICZ, R. The 802.11g relaying mac that saves energy. In 2012 2nd Baltic Congress on Future Internet Communications, BCFIC [Dokument elektroniczny]: Vilnius, Lithuania, 25-27 April 2012 / Algimantas Kajackas [i in.] (eds.). Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 1-6.
- [688] Kucharzak, M., and Koszalka, L. An approach to analysis of combinatorial optimization problem solutions. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka. [Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 148-159.
- [689] KUCHARZAK, M., KOSZALKA, L., AND KASPRZAK, A. A. Temporary shortest multilayered path for dimensioning in two layer connection-oriented networks. In *Proceedings of the 23rd IAR Workshop on Advanced Control and Diagnosis 2008 [Dokument elektroniczny], Coventry, 27-28 November 2008 / eds Keith J. Burnham & Jens G. Linden; Control Theory and Applications Centre Coventry University.[B.m.: b.w., 2008]. (2008), pp. 234-239.*
- [690] KUCHARZAK, M., KOSZALKA, L., AND KASPRZAK, A. A. Virtual capacity and dimensioning issues in multilayer networks. In 19th International Conference on Systems Engineering, ICSEng 2008: proceedings, Las Vegas, Nevada, 19-21 August 2008 / ed. by Henry Selvaraj and Mariusz Rawski. Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 325-330.
- [691] KUCHARZAK, M., KOSZALKA, L., AND KASPRZAK, A. A. Shortest multilayered path for dimensioning in two-layer connection-oriented networks. In 10th International Symposium on Pervasive Systems, Algorithms, and Networks, I-SPAN 2009 [Dokument elektroniczny] : proceedings, Kaohsiung, Taiwan, 14-16 December 2009.Los Alamitos [i in.] : IEEE Computer Society [Press], cop. 2009. (2009), pp. 332-337.
- [692] KUCHARZAK, M., KOSZALKA, L., AND KASPRZAK, A. A. Optimization algorithms for two layer network dimensioning. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.]. [Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2011]. (2011), pp. 116-128.
- [693] KUCHARZAK, M., SIWEK, A., AND WALKOWIAK, K. Comparison of evolutionary algorithm and heuristics for flow optimization in p2p systems. *International Journal of Electronics and Telecommunications* 56, 2 (2010).

- [694] KUCHARZAK, M., AND WALKOWIAK, K. File sharing-based heuristics for flow assignment in p2p systems. In 2009 2nd International Symposium on Logistics and Industrial Informatics (LINDI), Linz, Austria, 10-11 September 2009 / [Witold Jacak i in. eds.]. Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 81-86.
- [695] KUCHARZAK, M., AND WALKOWIAK, K. Optimal flows peer-to-peer based architectures for file sharing services. In 16th Polish Teletraffic Symposium, [Lodz, Poland, September 24-25, 2009]. Lodz: Technical University of Lodz, [2009]. (2009), pp. 99-102.
- [696] KUCHARZAK, M., AND WALKOWIAK, K. Flow optimization in p2p environment with free riders. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 145-152.
- [697] KUCHARZAK, M., AND WALKOWIAK, K. A mixed integer formulation for multicast flow assignment in multilayer networks. In Fifth International Conference on Broadband and Biomedical Communications, IB2Com 2010 [Dokument elektroniczny], Malaga, Spain, 15-17 December 2010.[Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 1-4.
- [698] KUCHARZAK, M., AND WALKOWIAK, K. Optimization of flows in level-constrained multiple trees for p2p multicast system. In NexTech 2010: the Second International Conference on Advances in P2P Systems, AP2PS 2010 [Dokument elektroniczny], October 25-30, 2010, Florence, Italy / [eds. Nick Antonopoulos, Antonio Liotta, Yasushi Kambayashi.B.m.]: IARIA, cop. 2010. (2010), pp. 106-111.
- [699] KUCHARZAK, M., AND WALKOWIAK, K. Fractional spanning tree packing problem with survivability constraints for throughput maximization in overlay multicast networks. In Proceedings of RNDM 2011: 3rd International Workshop on Reliable Networks Design and Modeling co-located with 3rd International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2011), October 5-7, 2011, Budapest, Hungary / [eds. Jacek Rak, Brigitte Jaumard, Roland Wessaly]. [Piscataway, NJ: IEEE, 2011]. (2011), pp. 40–46.
- [700] KUCHARZAK, M., AND WALKOWIAK, K. An improved annealing algorithm for throughput maximization in static overlay-based multicast systems. In *Hybrid artificial intelligent systems:* 6th International Conference, HAIS 2011, Wroclaw, Poland, May 23-25, 2011: proceedings. Pt. 1 / Emilio Corchado, Marek Kurzynski, Michal Wozniak (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 364-371.
- [701] KUCHARZAK, M., AND WALKOWIAK, K. Modelling of minimum cost overlay multicast tree in two layer networks. *International Journal of Electronics and Telecommunications* 57, 3 (2011).
- [702] Kucharzak, M., and Walkowiak, K. On modelling of fair throughput allocation in overlay multicast networks. In Smart spaces and next generation wired/wireless networking: 11th International Conference, NEW2AN 2011, and 4th Conference on Smart Spaces, ruSMART 2011, St. Petersburg, Russia, August 22-25, 2011: proceedings / Sergey Balandin, Yevgeni Koucheryavy, Honglin Hu (eds.). Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science, pp. 529-540.
- [703] KUCHARZAK, M., AND WALKOWIAK, K. Optimization of overlay multicast tree with hop constraints. In Proceedings of the First European Teletraffic Seminar, [ETS 2011]: an initiative to strengthen collaboration on Network Design and Performance, February 14-16, 2011, Poznan, Poland / eds. Grzegorz Danilewicz [i in.].Poznan: JASART STUDIO Agnieszka Chwalisz, [2011]. (2011), pp. 155-162.

- [704] KUCHARZAK, M., AND WALKOWIAK, K. A combined algorithm for maximum flow trees optimization in overlay multicast. In 17th Polish Teletraffic Symposium 2012, [Zakopane, 6-7 December 2012] / eds. Tadeusz Czachorski, Mateusz Nowak.[Gliwice]: IITiS PAN: Pracownia Komputerowa Jacka Skalmierskiego, [2012]. (2012), pp. 99–104.
- [705] KUCHARZAK, M., AND WALKOWIAK, K. Maximum flow trees in overlay multicast: modeling and optimization. In 2012 2nd Baltic Congress on Future Internet Communications, BCFIC [Dokument elektroniczny]: Vilnius, Lithuania, 25-27 April 2012 / Algimantas Kajackas [i in.] (eds.). Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 1-8.
- [706] KUCHARZAK, M., AND WALKOWIAK, K. Modeling and optimization of maximum flow survivable overlay multicast with predefined routing trees. *Telecommunication Systems* 56, 1 (2014).
- [707] KUCHARZAK, M., WALKOWIAK, K., AND KLINKOWSKI, M. On modeling of minimum cost multicast topology with multiple static streams in overlay communication networks. In ICTON 2013: 15th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Cartagena, Spain, June 23-27, 2013 / Marek Jaworski, Marian Marciniak (eds).[Piscataway, NJ]: IEEE, cop. 2013., 3 (2013), pp. 1-4.
- [708] KUCHARZAK, M., WALKOWIAK, K., KOPEC, P., BULIRA, D., AND KASPRZAK, A. A. Integer programming, constraint programming, and metaheuristic approaches for static optimization of anycast flows in elastic optical networks. *Networks* 66, 4 (2015).
- [709] KUCHARZAK, M., ZYDEK, D., AND POZNIAK-KOSZALKA, I. Overlay multicast optimization: Ibm ilog cplex. International Journal of Electronics and Telecommunications 58, 4 (2012).
- [710] Kula, K., and Markowski, M. Analiza własciwosci wybranych rozwiazan rozproszonych systemow plikow. Przeglad Teleinformatyczny 5 (23), 3 (44) (2017).
- [711] Kulaga, I., and Pozniak-Koszalka, I. Gisness system cartographic modelling to support business decision-making. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 93–102.
- [712] KULAGA, I., AND POZNIAK-KOSZALKA, I. Przykład systemu informacji przestrzennej wspomagajacego podejmowanie decyzji strategicznych. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 333–340.
- [713] Kulaga, I., and Pozniak-Koszalka, I. The travelling salesman problem put into practice: a fast tsp solving module for gisness geographic information system. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 117–124.
- [714] KULINSKA, J. Comparing effectiveness of classifiers in problem of body gesture recognition. In Computer systems engineering: theory & applications: [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 4 (2014), pp. 147-166.

- [715] Kurlej, B., Sobolewski, P., and Wozniak, M. Simple combining classifiers for a special case of incremental concept drift problem. In Proceedings of the 2010 10th International Conference on Intelligent Systems Design and Applications, ISDA' 10 [Dokument elektroniczny], November 29 December 1, 2010, Cairo, Egypt / eds. Aboul Ella Hassanien [i in.Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 160–165.
- [716] KURLEJ, B., AND WOZNIAK, M. Impact of window size in active learning of evolving data streams. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 56-62.
- [717] KURLEJ, B., AND WOZNIAK, M. Learning curve in concept drift while using active learning paradigm. In Adaptive and intelligent systems: Second International Conference, ICAIS 2011, Klagenfurt, Austria, September 6-8, 2011: proceedings / Abdelhamid Bouchachia (ed.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 98–106.
- [718] KURLEJ, B., AND WOZNIAK, M. Active learning approach to concept drift problem. Logic Journal of the IGPL 20, 3 (2012).
- [719] Kurzynski, M. Multistage bayes approach versus neural network to the computer-aided myocardial infraction diagnosis. In Advancement of medicine and health care through technology the challenge to biomedical engineering in Europe. 2nd European Medical & Biological Engineering Conference. EMBEC '02. Proceedings, Vienna, December 04-08, 2002. Pt. 1 / Eds Helmut Hutten, Peter Krosl.Graz: Verlag TU, cop. 2002. (2002), IFMBE Proceedings, pp. 762–763.
- [720] Kurzynski, M. Probabilistic algorithms, neural networks and fuzzy system applied to the multistage diagnosis of acute abdominal pain a comparative study of methods. In 9th International Conference on Neural Information Processing. ICONIP '02 [Dokument elektroniczny], Singapore, November 18-22, 2002 / Lipo Wang [i in.] (eds). Singapore: Nanyang Technological University, [2002.5] s. (2002).
- [721] Kurzynski, M. Fuzzy inference systems for multistage diagnosis of acute renal failure in children. In Medical data analysis. 4th International Symposium, ISMDA 2003. Proceedings, Berlin, October 9-10, 2003 / Petra Perner, Rudiger Brause, Herman-Georg Holzhutter (eds). Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 99–108.
- [722] Kurzynski, M. Fuzzy inference systems for multistage pattern recognition application to medical diagnosis. In Proceedings of the Third IASTED International Conference on Artificial Intelligence and Applications, [Benalmadena, Spain, September 8-10, 2003] / Ed. M. H. Hamza. Anaheim [i in.]: Acta Press, cop. 2003. (2003), pp. 348-353.
- [723] Kurzynski, M. Telemedicine for the family doctor. In Telemedicine and teledermatology. Ed. G. Burg.Basel [i in.]: Karger, cop. 2003.s. 83-86,1 rys., bibliogr. 7 poz., vol. vol. 32 of Current Problems in Dermatology. 2003.
- [724] Kurzynski, M. Wykorzystanie wiedzy eksperta i danych empirycznych we wspomaganiu diagnostyki medycznej. In Kompendium informatyki medycznej. Red. Radosław Zajdel [i in.].Bielsko-Biala: Alfa Medica Press, cop. 2003.s. 298-312,1 rys., 1 tab., bibliogr. 16 poz. 2003.
- [725] Kurzynski, M. Consistency conditions of the expert rule set in the probabilistic pattern recognition. Lecture Notes in Computer Science 3314 (2004).

- [726] Kurzynski, M. Fuzzy reasoning applied to multistage diagnosis of acute renal failure in children. In Computers in medical applications. [Eds Piotr Doerffer, Jaroslaw Rybicki]. Gdansk: Acad. Comput. Cent. TASK, 2004.s. 171-181,5 rys., 3 tab., bibliogr. 12 poz., vol. vol. 8 nr 2 of TASK Quarterly: Scientific Bulletin of Academic Computer Centre in Gdansk. 2004.
- [727] Kurzynski, M. Mulistage diagnosis of myocardial infraction using a fuzzy relation. In Artificial intelligence and soft computing - ICAISC 2004. 7th International conference. Proceedings, Zakopane, June 7-11, 2004 / Leszek Rutkowski [i in.] (eds). Berlin [i in.] : Springer, cop. 2004. (2004), Lecture Notes in Computer Science. Lecture Notes in Computer Science, pp. 1014–1019.
- [728] Kurzynski, M. [recenzja]. International Journal of Applied Mathematics and Computer Science.2004,vol. 14, nr 4, s. 559-560, 2004.
- [729] Kurzynski, M. Rule-based pattern recognition with probabilistic model-consistency conditions, algorithms and application in medical diagnosis. ICGST International Journal on Artificial Intelligence and Machine Learning. 2004, Dec (2004).
- [730] Kurzynski, M. Combining rule-based and sample-based classifiers probabilistic approach. Lecture Notes in Computer Science 3704 (2005).
- [731] Kurzynski, M. Fusion of rule-based and sample-based classifiers probabilistic approach. Lecture Notes in Computer Science 3733 (2005).
- [732] Kurzynski, M. Contextual and isolated algorithms for multistage pattern recognition. In New advances in simulation, modelling and optimization. Proceedings of the 7th WSEAS International Conference on Simulation, Modelling and Optimization (SMO '07), Beijing, China, September 15-17, 2007 / [Ed. De Xu]. [Athens]: WSEAS Press, cop. 2007. (2007), Electrical and Computer Engineering Series, pp. 26-31.
- [733] Kurzynski, M. Genetic algorithm applied to the optimization of classifiers ensemble selection. Tech. Rep. nr 17, 2014.
- [734] Kurzynski, M. Algorithm of dynamic feature selection applied to the recognition of grasping movements and its experimental investigations. Tech. Rep. nr 23, 2015.
- [735] Kurzynski, M. Dynamic feature selection applied to the recognition of grasping movements in the control of bioprosthetic hand. In Digital Healthcare Empowering Europeans: proceedings of MIE2015. / ed. Ronald Cornet [i in.]. Amsterdam [i in.]: IOS Press, cop. 2015., 4 (2015), Studies in Health Technology and Informatics, pp. 484–488.
- [736] Kurzynski, M. Multiclassifier system with dynamic model of classifier competence applied to the control of bioprosthetic hand. In *The first Global Conference on Artificial Intelligence (GCAI 2015), October 16-19, 2015, Tbilisi, Georgia.*[Manchester: EasyChair, 2015]., 9 (2015), pp. 163–175.
- [737] Kurzynski, M. Multiclassifier system with dynamic ensemble selection scheme and feed-back information applied to the control of bioprosthetic hand. In 18 Convencion cientifica de ingenieria y arquitectura [Dokument elektroniczny]: del 21 al 25 de noviembre de 2016, Palacio de Convenciones de la Habana / Ministerio de Education Superior.[B.m.: b.w., 2016]., 7 (2016), pp. 1–10.
- [738] Kurzynski, M. On a new competence measure applied to the combining multiclassifier system. *International Journal of Signal Processing Systems* 4, 3 (2016).

- [739] Kurzynski, M., Jaskolska, A., Marusiak, J., Wolczowski, A., Bierut, P., Szumowski, L., Witkowski, J., and Kisiel-Sajewicz, K. Computer-aided training sensorimotor cortex functions in humans before the upper limb transplantation using virtual reality and sensory feedback. Computers in Biology and Medicine 87 (2017).
- [740] Kurzynski, M., Jozwiak, G., and Moi, M. Computer system of telemedical services for family doctor's practices. *Journal of Medical Informatics & Technologies*. 2002, - M 3 (2002).
- [741] Kurzynski, M., and Krysmann, M. Fuzzy inference methods applied to the learning competence measure in dynamic classifier selection. In 2014 27th SIBGRAPI Conference on Graphics, Patterns and Images, SIBGRAPI 2014 [Dokument elektroniczny]: proceedings, Rio de Janeiro, Brazil, 27-30 August 2014.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2014., 6 (2014), pp. 180-187.
- [742] Kurzynski, M., Krysmann, M., Trajdos, P. S., and Wolczowski, A. Two-stage multiclassifier system with correction of competence of base classifiers applied to the control of bioprosthetic hand. In 2014 IEEE 26th International Conference on Tools with Artificial Intelligence, ICTAI 2014 [Dokument elektroniczny]: proceedings, 10-12 November 2014, Limassol, Cyprus.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2014., 5 (2014), pp. 620-626.
- [743] Kurzynski, M., Krysmann, M., Trajdos, P. S., and Wolczowski, A. Multiclassifier system with hybrid learning applied to control of bioprosthetic hand. *Computers in Biology* and *Medicine 69* (2016).
- [744] Kurzynski, M., and Lysiak, R. T. Optimization of classifiers ensemble selection using genetic algorithm. In Computer networks and security: International Conference on Communication and Computing, ICC 2014, Bangalore, India, June 12-14, 2014 / eds. K. R. Venugopal, S. C. Lingareddy.[New Delhi]: Reed Elsevier, cop. 2014., 5 (2014), pp. 1-7.
- [745] Kurzynski, M., Lysiak, R. T., and Wolczowski, A. Multiclassifier system with competence and diversity measures applied to the recognition of multimodal biosignals in the control of bioprosthetic hand. In World Congress on Engineering, WCE 2013, 3-5 July 2013, London, U.K. Vol. 2 / [eds. S. I. Ao i in.]. Hong Kong: Newswood Limited, [2013]., 4 (2013), Lecture Notes in Engineering and Computer Science, pp. 1292–1297.
- [746] Kurzynski, M., Lysiak, R. T., and Wolczowski, A. Sterowanie bioproteza dloni poprzez rozpoznawanie ruchow chwytnych z wykorzystaniem systemu wieloklasyfikatorowego. In Biocybernetyka i inzynieria biomedyczna [Dokument elektroniczny]: XVIII krajowa konferencja naukowa, Gdansk, 10-12 pazdziernika 2013 / red. Adam Bujnowicz, Jerzy Wtorek. [Gdansk: Wydział Elektroniki, Telekomunikacji i Informatyki Politechniki Gdanskiej, 2013]., 4 (2013), pp. 1-6.
- [747] Kurzynski, M., and Majak, M. Meta-bayes classifier with markov model applied to the control of bioprosthetic hand. In *Intelligent Decision Technologies 2016: proceedings* of the 8th KES International Conference on Intelligent Decision Technologies (KES-IDT 2016) - Part I / Ireneusz Czarnowski (eds.).[Cham]: Springer, cop. 2016., 7 (2016), Smart Innovation, Systems and Technologies, pp. 107–117.
- [748] Kurzynski, M., Majak, M., and Puchala, K. J. Multiclassifier systems for sequential recognition based on the concept of meta-bayes classifier. WSEAS Transactions on Computer Research 4 (2016).
- [749] Kurzynski, M., Majak, M., and Zolnierek, A. Multiclassifier systems applied to the computer-aided sequential medical diagnosis. *Biocybernetics and Biomedical Engineering* 36, 4 (2016).

- [750] Kurzynski, M., Markowski, M., Ryba, P., and Wozniak, M. Concept of medical telemetry system for remote monitoring and localization of patients. In *Proceedings of the 4th International Conference on Broadband Communication, Information Technology & Biomedical Applications, BroadBandCom '09 [Dokument elektroniczny]: conference proceedings, 15th-18th, July, 2009, Wroclaw, Poland.Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, cop. 2009.* (2009), pp. 1–5.
- [751] Kurzynski, M., Oko, J., Szalbierz, Z., Trzaska, R., Walkowiak, K., Weglarz, M., Wielec, M., and Wozniak, M. Strategia rozwoju społeczenstwa informacyjnego na dolnym słasku do roku 202. Tech. Rep. nr 38, 2012.
- [752] Kurzynski, M., and Puchala, E. The optimal feature extraction procedure for statistical pattern recognition. Lecture Notes in Computer Science 3982 (2006).
- [753] Kurzynski, M., and Puchala, E. Recognition of emg signals based on the first-order markov. In Advances in sensors, signals, visualization, imaging and simulation: proceedings of the 5th WSEAS International Conference on Sensors and Signals (SENSIG '12): proceedings of the 5th WSEAS International Conference on Visualization, Imaging and Simulation (VIS '12), Sliema, Malta, September 7-9, 2012 / eds. Ryszard S. Choras, Sorinel Oprisan.[B.m.]: WSEAS Press, cop. 2012. (2012), Recent Advances in Electrical Engineering Series, pp. 113–118.
- [754] Kurzynski, M., Puchala, E., and Rewak, A. The bayes-optimal feature extraction procedure for pattern recognition using genetic algorithm. *Lecture Notes in Computer Science* 4131 (2006).
- [755] Kurzynski, M., Puchala, E., Wozniak, M., and Zolnierek, A., Eds. *Computer recognition systems* (2005), Advances in Soft Computing, Springer, Berlin [i in.].
- [756] Kurzynski, M., Puchala, E., Wozniak, M., and Zolnierek, A., Eds. *Computer recognition systems 2* (2007), Advances in Soft Computing, Springer, Berlin [i in.].
- [757] Kurzynski, M., and Rewak, A. The ga-based bayes-optimal feature extraction procedure applied to the supervised pattern recognition. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5097 (2008).
- [758] Kurzynski, M., Ryba, P., Markowski, M., and Wozniak, M. Medical telemetry system for monitoring and localization of patients - functional model and algorithms for biosignals processing. *International Journal of Electronics and Telecommunications* 56, 4 (2010).
- [759] Kurzynski, M., and Sas, J. Decision support server architecture for mobile medical applications. In Biological and medical data analysis. 5th International symposium. IS-BMDA 2004. Proceedings, Barcelona, November 18-19, 2004 / Jose M. Barreiro [i in.] (eds).Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 105-116.
- [760] Kurzynski, M., and Sas, J. Combining character level classifier and probabilistic lexicons in handwritten word recognition comparative analysis of methods. *Lecture Notes in Computer Science 3691* (2005).
- [761] Kurzynski, M., and Trajdos, P. S. Dynamic model of classifier competence based on the local fuzzy confusion matrix and the random reference classifier. Tech. Rep. nr 16, 2014.

- [762] KURZYNSKI, M., AND TRAJDOS, P. S. On a new competence measure applied to the dynamic selection of classifiers ensemble. In Discovery Science: 20th International Conference, DS 2017 [Dokument elektroniczny]: Kyoto, Japan, October 15-17, 2017: proceedings / Akihiro Yamamoto, Takuya Kida, Takeaki Uno, Tetsuji Kuboyama (eds.).[Cham]: Springer, cop. 2017., 3 (2017), Lecture Notes in Computer Science., pp. 93-107.
- [763] Kurzynski, M., Trajdos, P. S., and Wolczowski, A. Multiclassifier system using class and interclass competence of base classifiers applied to the recognition of grasping movements in the control of bioprosthetic hand. In Progress in Artificial Intelligence: 18th EPIA Conference on Artificial Intelligence, EPIA 2017 [Dokument elektroniczny]: Porto, Portugal, September 5-8, 2017: proceedings / E. Oliveira, J. Gama, Z. Vale, H. Lopes Cardoso (eds.).[Cham]: Springer, cop. 2017., 8 (2017), Lecture Notes in Computer Science., pp. 174–185.
- [764] Kurzynski, M., and Wolczowski, A. Rozpoznawanie intencji ruchu zrecznej dloni na drodze analizy sygnalu emg z wykorzystaniem klasyfikacji wieloetapowej. In Biocybernetyka i inzynieria biomedyczna. XV Krajowa konferencja naukowa [Dokument elektroniczny], Wrocław, [12-15] wrzesnia 2007.[Wrocław: Osrodek Doskonalenia Kadr SIMP, 2007.4] s. (2007).
- [765] Kurzynski, M., and Wolczowski, A. Dexterous bio-prosthetic hand control via sequential recognition of patient intent as implied by emg signals a comparative analysis of methods. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [766] Kurzynski, M., and Wolczowski, A. Control of dexterous bio-prosthetic hand via sequential recognition of emg signals using fuzzy relations. In *Medical informatics in a united and healthy Europe: 22nd International Conference on Medical Informatics Europe, MIE 2009, Sarajevo, Bosnia and Herzegovina, 30 August 2 September, 2009 / ed. by Klaus-Peter Adlassnig [i in.].Amsterdam [i in.].: IOS Press, cop. 2009.* (2009), Studies in Health Technology and Informatics, pp. 799–803.
- [767] Kurzynski, M., and Wolczowski, A. Sequential recognition of emg signals using bayes-optimal feature extraction application to the control of bio-prosthetic hand. In World Congress on Medical Physics and Biomedical Engineering [Dokument elektroniczny], Munich, Germany, September 7-12, 2009 / Dossel-Schlegel (ed.).Berlin [i in.]: Springer, cop. 2009.s. 533-536,2 rys., 1 tab., bibliogr. 16 poz., vol. vol. 25 of IFMBE Proceedings. 2009.
- [768] Kurzynski, M., and Wolczowski, A. Neural networks with ar model coefficients applied to the emg signal classification. In Artificial neural networks and intelligent information processing: proceedings of the 6th International Workshop on Artificial Neural Networks and Intelligent Information Processing: Workshop ANNIIP 2010: in conjunction with ICINCO 2010, Funchal, Madeira, Portugal, [17-18] June 2010 / Kurosh Madani (ed.).[B.m.]: SciTePress, cop. 2010. (2010), pp. 81-86.
- [769] Kurzynski, M., and Wolczowski, A. Dynamic selection of classifiers ensemble applied to the recognition of emg signal for the control of bioprosthetic hand. In 11th International Conference on Control, Automation and Systems (ICCAS 2011) [Dokument elektroniczny]: October 26-29, 2011, Gyeonggi-do, Korea. [Piscataway, NJ: IEEE, 2011]. (2011), pp. 382-386.
- [770] Kurzynski, M., and Wolczowski, A. Sequential recognition of emg signals applied to the control of bioprosthetic hand experimental comparative analysis of methods. In Recent advances in applied & biomedical informatics and computational engineering in systems applications: proceedings of the 11th WSEAS International Conference on Applied Informatics and Communications (AIC'11): proceedings of the 4th WSEAS International Conference on Biomedical Electronics and Informatics (BEBI'11): proceedings

- of the International Conference on Environment, Economics, Energy, Devices, Systems, Communications, Computers, Pure and Applied Mathematics / [eds. Myriam Lazard i in.B.m.]: WSEAS Press, cop. 2011. (2011), pp. 88–91.
- [771] Kurzynski, M., and Wolczowski, A. Classification of emg signals in a system for training of bioprosthetic hand control in one side handless human. In 2012 EECS: 2012 International Conference on Electrical Engineering and Computer Science: 2012 GIAMS: 2012 Global Information and Management Symposium: 2012 ICEAI: 2012 International Congress on Engineering and Information [Dokument elektroniczny]: Shanghai, China, [15-17 August 2012.B.m.: b.w., 2012]. (2012), pp. 566-576.
- [772] Kurzynski, M., and Wolczowski, A. Control system of bioprosthetic hand based on advanced analysis of biosignals and feedback from the prosthesis sensors. In *Information technologies in biomedicine: Third International Conference, ITIB 2012: proceedings, Gliwice, Poland, June 11-13, 2012 / Ewa Pietka, Jacek Kawka (eds.).Berlin; Heidelberg: Springer, cop. 2012.* (2012), Lecture Notes in Computer Science., pp. 199–208.
- [773] Kurzynski, M., and Wolczowski, A. Control of bioprosthetic hand based on multimodal biosignals recognition and feedback signals from the prosthesis sensors. In 2013 BBENS: 2013 Bangkok International Conference on Biological Engineering & Natural Science, 2013 ICEAI: 2013 International Congress on Engineering and Information [Dokument elektroniczny]: [25-27] January, 2013, Bangkok, Thailand.[B.m.: b.w., 2013]., 6 (2013), pp. 315–322.
- [774] Kurzynski, M., and Wolczowski, A. Hetero- and homogeneous multiclassifier systems based on competence measure applied to the recognition of hand grasping movements. In Information technologies in biomedicine. Vol. 4 / Ewa Pietka, Jacek Kawa, Wojciech Wieclawek (eds.).Cham [i in.]: Springer, cop. 2014.s. 163-174,3 rys., 1 tab., bibliogr. 26 poz.0,8, vol. vol. 284 of Advances in Intelligent Systems and Computing. 2014.
- [775] Kurzynski, M., and Wolczowski, A. Multiclassifier system with fuzzy inference method applied to the recognition of biosignals in the control of bioprosthetic hand. In Advances in neural networks ISNN 2014: 11th International Symposium on Neural Networks, ISNN 2014, Hong Kong and Macao, China, November 28 December 1, 2014: proceedings / Zhigang Zeng, Yangmin Li, Irwin King (eds.).Cham [i in.]: Springer, cop. 2014., 6 (2014), Lecture Notes in Computer Science, pp. 469–478.
- [776] Kurzynski, M., and Wolczowski, A. Multiple classifier system applied to the control of bioprosthetic hand based on recognition of multimodal biosignals. In *The 15th International Conference on Biomedical Engineering, ICBME 2013, 4th to 7th December 2013, Singapore / James Goh (ed.).Cham [i in.]: Springer, cop. 2014., 3 (2014), IFMBE Proceedings, pp. 577–580.*
- [777] Kurzynski, M., Wolczowski, A., and Amaral, T. G. Control of bioprosthetic hand based on emg and mmg signals recognition using multiclassifier system with feedback from the prosthesis sensors. In ICSC 2012: 2nd International Conference on Systems and Control [Dokument elektroniczny]: Marrakech, Morocco, June 20-22, 2012.[B.m.: b.w., 2012]. (2012), pp. 280–285.
- [778] Kurzynski, M., Wolczowski, A., and Topolski, M. Control of hand bioprosthesis via sequential recognition of patient's intent using combination of fuzzy sets and dempster-shafer theory. In *Information technologies in biomedicine / Ewa Pietka, Jacek Kawa (eds).Berlin : Springer, cop. 2008.s. 421-428,2 rys., 1 tab., bibliogr. 13 poz.*, vol. 47 of *Advances in Soft Computing.* 2008.
- [779] Kurzynski, M., Woloszynski, T., and Wolczowski, A. Multiclassifiers with competence function applied to the recognition of emg signals for the control of bio-prosthetic

- hand. In Citizen centered e-health systems in a global healthcare environment [Dokument elektroniczny]: proceedings of the 9th International Conference on Information Technology & Applications in Biomedicine, ITAB 2009, 4-7 November 2009, Larnaca, Cyprus / ed. by E. Kyriacou [i in.Piscataway, NJ]: IEEE, cop. 2009. (2009), pp. 1–4.
- [780] Kurzynski, M., and Wozniak, M., Eds. Computer recognition systems 3 (2009), Advances in Intelligent and Soft Computing, Springer, Berlin.
- [781] Kurzynski, M., and Wozniak, M. Combining classifiers under probabilistic models. Expert Systems [Dokument elektroniczny] 29, 4 (2012).
- [782] Kurzynski, M., Wozniak, M., and Blinowska, A. Diagnosis of human acid-base balance states via combined pattern recognition for markov vhains. In Artificial intelligence in medicine. 5th Conference on Artificial Intelligence in Medicine Europe, AIME '95. Proceedings, Pavia, Italy, June 25-28, 1995 / Pedro Barahona, Mario Stefanelli, Jeremy Wyatt (Eds).Berlin [i in.]: Springer, cop. 1995. (1995), Lecture Notes in Computer Science. Lecture Notes in Computer Science, pp. 405-406.
- [783] KURZYNSKI, M., WOZNIAK, M., AND BURDUK, R., Eds. Proceedings of the 10th International Conference on Computer Recognition Systems: CORES 2017 (2018), Advances in Intelligent Systems and Computing, Springer, [Cham].
- [784] Kurzynski, M., Wozniak, M., and Zolnierek, A. Analiza przydatności wybranych metod rozpoznawania sekwencyjnego dla problemu z zakresu diagnostyki medycznej. In Inteligentne wydobywanie informacji w celach diagnostyki. Pod red. Zdzislawa Kowalczuka, Bogdana Wiszniewskiego. Gdansk: Pomorskie Wydaw. Naukowo-Techniczne, 2007.s. 289-304,2 rys., bibliogr. 25 poz., vol. nr 2 of Automatyka i Informatyka. 2007.
- [785] Kurzynski, M., and Zolnierek, A. Computer-aided sequential diagnosis using fuzzy relations - comparative analysis of methods. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 3745 (2005).
- [786] Kurzynski, M., and Zolnierek, A. Sequential classification via fuzzy relations. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 4029 (2006).
- [787] Kurzynski, M., and Zolnierek, A. Sequential pattern recognition: naive bayes versus fuzzy relation method. In *International Conference on Computational Intelligence for Modelling, Control & Automation CIMCA 2005 jointly with International Conference on Intelligent Agents, Web Technologies & Internet Commerce IAWTIC 2005. Proceedings, Vienna, 28-30 November 2005. Vol. 1 / Ed. by M. Mohammadian.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2006. (2006), pp. 1165–1170.*
- [788] Kurzynski, M., and Zolnierek, A. Zastosowanie relacji rozmytej w komputerowowspomaganej diagnostyce sekwencyjnej: rozpoznawanie stanow rownowagi kwasowozasadowej. In Biocybernetyka i inzynieria biomedyczna. XV Krajowa konferencja naukowa [Dokument elektroniczny], Wrocław, [12-15] wrzesnia 2007.[Wrocław: Osrodek Doskonalenia Kadr SIMP, 2007.5] s. (2007).
- [789] Kurzynski, M., and Zolnierek, A. Rough sets and fuzzy sets theory applied to the sequential classification algorithms and applications. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [790] Kurzynski, M., Zolnierek, A., and Wolczowski, A. Control of bio-prosthetic hand via sequential recognition of emg signals using rough sets. In Computer recognition systems 3 / Marek Kurzynski, Michal Wozniak (eds.). Berlin; Heidelberg: Springer, cop. 2009.s. 455-462,1 rys., 1 tab., bibliogr. 11 poz., vol. nr 57 of Advances in Intelligent and Soft Computing. 2009.

- [791] LAPINSKI, A. Opracowanie metod kombinowanej oraz lokalnej metody detekcji dryftu modelu oraz ich ocena eksperymentalna. Tech. Rep. nr 4, 2017.
- [792] LARKOWSKI, T., AND BURNHAM, K. J. System identification, parameter estimation and filtering [Dokument elektroniczny]. Wrocław University of Technology;, Wrocław:, 2011.
- [793] LARKOWSKI, T., AND KOSZALKA, L. Embedded mechanisms of pentium processors efficiency monitoring. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka. [Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 59-71.
- [794] LARKOWSKI, T., KOSZALKA, L., AND BURNHAM, K. J. Bilinear approach employed for modelling of continuous stirred tank reactor processes. In Proceedings of the 2012 UKACC International Conference on Control [Dokument elektroniczny]: Cardiff, UK, 3-5 September 2012. Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 473–478.
- [795] LARKOWSKI, T., ZAJIC, I., BURNHAM, K. J., AND KOSZALKA, L. Properties of inputoutput hammerstein-bilinear structure with application to an industrial air handling unit. *Journal of Physics. Conference Series* 570 (2014).
- [796] Lechowicz, P. Comparison of sdm allocation policies. Tech. Rep. nr 38, 2017.
- [797] LECHOWICZ, P., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Path optimization in 3d printer: algorithms and experimentation system. In 2016 4th International Symposium on Computational and Business Intelligence, ISCBI 2016, September 05-07, 2016, Olten, Switzerland. Danvers, MA: Institute of Electrical and Electronics Engineers, cop. 2016., 4 (2016), pp. 137–142.
- [798] LECHOWICZ, P., AND WALKOWIAK, K. Genetic algorithm for routing and spectrum allocation in elastic optical networks. In The Third European Network Intelligence Conference, ENIC 2016 [Dokument elektroniczny]: 05-07 September 2016, Wrocław, Poland: proceedings. Piscataway, NJ: IEEE, cop. 2016., 6 (2016), pp. 273-280.
- [799] LECHOWICZ, P., WALKOWIAK, K., AND KLINKOWSKI, M. Selection of spectral-spatial channels in sdm flexgrid optical networks. In 21th International Conference on Optical Network Design and Modeling, ONDM 2017 [Dokument elektroniczny]: Budapest, Hungary, May 15-18, 2017 [B.m.]: IEEE; International Federation for Information Processing, cop. 2017., 4 (2017), pp. 1-6.
- [800] Lechowicz, P., Walkowiak, K., and Klinkowski, M. Spectrum usage for various sdm scenarios. In ICTON 2017: 19th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Girona, Catalonia, Spain, 2-6 July, 2017 / Marek Jaworski, Marian Marciniak.Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications, cop. 2017., 3 (2017), pp. 1-4.
- [801] LENARSKI, K. Algorytm tabu search do optymalizacji dwuwarstwowych sieci komputerowych. In Człowiek cywilizacja przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 13-18.
- [802] LENARSKI, K., CZAJKA, B., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Tabu search algorithm for two-layer networks design problem. In 19th International Conference on Systems Engineering, ICSEng 2008: proceedings, Las Vegas, Nevada, 19-21 August 2008 / ed. by Henry Selvaraj and Mariusz Rawski.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 319-324.

- [803] Lenarski, K., Kasprzak, A. A., and Pozniak-Koszalka, I. Comparison of heuristic methods applied to optimization of computer networks. In *The Seventh International Conference on Networking (ICN 2008) [Dokument elektroniczny], Cancun, Mexico, 13-18 April 2008 / eds Jun Bi, Tibor Gyires, Iwona Pozniak-Koszalka.[Los Alamitos i in.] : IEEE Copmuter Society [Press], cop. 2008.* (2008), pp. 371–376.
- [804] Lenarski, K., Kasprzak, A. A., and Skworcow, P. Advanced tabu search strategies for two-layer network dimensioning problem. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 104-115.
- [805] LENARSKI, K., AND KOSZALKA, L. Comparison of heuristic methods applied to optimization of computer networks. In Proceedings of the 16th International Conference on Systems Science, Wroclaw, Poland, 4-6 September 2007. Vol. 2 / Ed. Adam Grzech. Wroclaw: Oficyna Wydaw. PWroc., 2007. (2007), pp. 285–294.
- [806] LICHTENSTEIN, K., LICHTENSTEIN, M., AND KOZIK, A. Algorytmy inkrementacyjnego dekodowania sasiedztwa typu wstaw - opracowanie i analiza efektywnosci. Tech. Rep. nr 2, 2010
- [807] LINKOWSKI, T. Window-list-based best-fit allocation in mesh. In Człowiek cywilizacja przyszłosc: VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009: referaty. T. 2. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Streszcz. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 7-12.
- [808] LINKOWSKI, T., KOSZALKA, L., AND KASPRZAK, A. A. Window-list-based best fit task allocation in mesh. In Information systems architecture and technology: system analysis in decision aided problems / eds. Jerzy Swiatek [i in.]. Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, 2009.s. 379-388,7 rys., 1 tab., bibliogr. 7 poz., Biblioteka Informatyki Szkol Wyzszych. 2009.
- [809] LISOWSKI, D., AND KOSZALKA, L. Processor allocation algorithms for mesh-connected multicomputers. In Sixteenth International Conference on Systems Engineering. ICSE '2003. Proceedings, Coventry, 9-11 September 2003. Vol. 2 / Eds Keith J. Burnham and Olivier C. L. Haas. Coventry: Coventry University, cop. 2003. (2003), pp. 445–450.
- [810] LISOWSKI, D., KOSZALKA, L., AND BURNHAM, K. J. Choosing efficient mesh structure in computer network. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 103-114.
- [811] Lojek, R. Simplified v-net a proposition of delay guarantee method in real-network. In 4th International Conference of PhD Students, Miskolc, Hungary, 11-17 August 2003. 1. Engineering sciences / [Eds Laszlo Lehoczky, Laszlo Kalmar]. Miskolc: Innovation and Technology Transfer Centre. University of Miskolc, 2003. (2003), pp. 115–120.
- [812] Lojek, R., and Koszalka, L. Gwarancja czasu dostarczenia pakietow oparta na wyznaczeniu opoznien czastkowych. In *Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2.Wrocław: Oficyna Wydaw. PWroc., 2004., Summ.* (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 341–348.
- [813] Lojek, R., and Pozniak-Koszalka, I. Simplified v-net an approach for delay guarantee. In Computer systems engineering. Theory & applications. Fourth Polish-British

- Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 115–124.
- [814] LOPEZ-GARCIA, P., WOZNIAK, M., ONIEVA, E., AND PERALLOS, A. Hybrid optimization method applied to adaptive splitting and selection algorithm. In *Hybrid artificial intelligent* systems: 11th International Conference, HAIS 2016, Seville, Spain, April 18-20, 2016: proceedings / Francisco Martinez-Alvarez [i in.] (eds.).[Cham]: Springer, cop. 2016., 9 (2016), Lecture Notes in Computer Science., pp. 742-750.
- [815] Lota, S., and Markowski, M. Performance analysis of virtual computer network based on cisco cloud services router 1000v in a private cloud environment. *Journal of Applied Computer Science Methods* 7, 2 (2015).
- [816] Lysiak, R. T., Koszalka, L., and Pozniak-Koszalka, I. Simulation-based evaluation of mbf task allocation algorithm in mesh-connected processors. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan.Ostrava : MARQ, 2009. (2009), Acta MOSIS, pp. 87–92.
- [817] LYSIAK, R. T., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Optimization of task allocation time in mesh using mbf algorithm and artificial neural network. 2009.
- [818] Lysiak, R. T., and Kurzynski, M. The impact of the diversity on multiple classifier system performance. In ICINCO 2014 [Dokument elektroniczny]: proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, Vienna, Austria, 1-3 September, 2014. Vol. 1 / [ed. by Joaquim Filipe i in.B.m.]: SciTePress, cop. 2014., 5 (2014), pp. 348–354.
- [819] Lysiak, R. T., Kurzynski, M., and Woloszynski, T. Probabilistic approach to the dynamic ensemble selection using measures of competence and diversity of base classifiers. In Hybrid artificial intelligent systems: 6th International Conference, HAIS 2011, Wroclaw, Poland, May 23-25, 2011: proceedings. Pt. 2 / Emilio Corchado, Marek Kurzynski, Michal Wozniak (eds.). Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 229-236.
- [820] Lysiak, R. T., Kurzynski, M., and Woloszynski, T. Optimal selection of ensemble classifiers using measures of competence and diversity of base classifiers. *Neurocomputing* 126 (2014).
- [821] Lysiak, R. T., Pozniak-Koszalka, I., and Koszalka, L. Artificial neural network for improvement of task allocation in mesh-connected processors. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 220-229.
- [822] Majak, M. Rough sets method in pattern recognition simulation investigation. In Czlowiek - cywilizacja - przyszłosc : VIII Konferencja Naukowa Studentow, Szklarska Poreba, 23-25 sierpnia 2010. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2010. (2010), Prace Studentow Politechniki Wrocławskiej., pp. 282-287.
- [823] Majak, M. Universal segmentation framework for medical imaging using rough sets theory and fuzzy logic clustering. In *Information technologies in biomedicine. Vol. 3 / Ewa Pietka, Jacek Kawa, Wojciech Wieclawek (eds.).Cham [i in.] : Springer, cop. 2014.s. 175-186,3 rys., 4 tab., bibliogr. 19 poz.0,8, vol. vol. 283 of Advances in Intelligent Systems and Computing. 2014.*

- [824] Majak, M. Metaklasyfikator bayesowski : modele, badania eksperymentalne i przyklady zastosowan. Tech. Rep. nr 62, 2017.
- [825] Majak, M., and Kurzynski, M. On a new method for improving weak classifiers using bayes metaclassifier. In *Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).*[Cham]: Springer, cop. 2018., 7 (2018), Advances in Intelligent Systems and Computing, pp. 258–267.
- [826] MAJAK, M., AND ZOLNIEREK, A. Rough sets approach to the problems of classification. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 109-114.
- [827] Majak, M., and Zolnierek, A. Rough sets and fuzzy logic approach for handwritten digits and letters recognition. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 8 (2016), Advances in Intelligent Systems and Computing, pp. 713-722.
- [828] Majak, M., Zolnierek, A., Wegrzyn, K., and Bougueroua, L. Tweet classification framework for detecting events related to health problems. In Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).[Cham]: Springer, cop. 2018., 6 (2018), Advances in Intelligent Systems and Computing, pp. 453–461.
- [829] Majkowska, A., Zydek, D., and Koszalka, L. Task allocation in distributed mesh-connected machine learning systems: Simplified busy list algorithm with q-learning based queuing. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.).Cham [i in.]: Springer, cop. 2013., 7 (2013), Advances in Intelligent Systems and Computing, pp. 763-772.
- [830] MALECHA, Z. M., MIROSLAW, L., TOMCZAK, T., KOZA, Z., MATYKA, M., TARNAWSKI, W., AND SZCZERBA, D. Gpu-based simulation of 3d blood flow in abdominal aorta using openfoam. Archives of Mechanics 63, 2 (2011).
- [831] Markowski, M. Algorytmy jednoczesnej optymalizacji przeplywow, przepustowosci kanalow i alokacji serwerow w rozleglych sieciach komputerowych. PhD thesis, 2005.
- [832] MARKOWSKI, M. Resource allocation and flow assignment problem in wan-based distributed computing environment. In Proceedings of the 4th International Conference on Broadband Communication, Information Technology & Biomedical Applications, BroadBandCom '09 [Dokument elektroniczny]: conference proceedings, 15th-18th, July, 2009, Wroclaw, Poland. Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, cop. 2009. (2009), pp. 1–5.
- [833] MARKOWSKI, M. Resource and task allocation algorithm for wan-based distributed computing environment. International Journal of Electronics and Telecommunications 56, 2 (2010).
- [834] Markowski, M. Cost optimization and quality of service assurance in wan-based grid system. In NexTech 2012 [Dokument elektroniczny]: ADVCOMP 2012: The Sixth International Conference on Advanced Engineering Computing and Applications in Sciences, September 23-28, 2012, Barcelona, Spain / eds. Sigeru Omatu, Toan Nguyen.[B.m.]: IARIA, cop. 2012. (2012), pp. 71-77.
- [835] MARKOWSKI, M. Heuristic algorithms for joint optimization of unicast and anycast traffic in elastic optical networks based large-scale computing systems. Tech. Rep. nr 3, 2014.

- [836] MARKOWSKI, M. Tabu-search algorithm for optimization of elastic network based distributed computing systems. In *Intelligent data engineering and automated learning IDEAL 2015 : 16th International Conference, Wroclaw, Poland, October 14-16, 2015 : proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.] : Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 361–369.*
- [837] MARKOWSKI, M. Algorithms for deadline-driven dynamic multicast scheduling problem in elastic optical networks. In The Third European Network Intelligence Conference, ENIC 2016 [Dokument elektroniczny]: 05-07 September 2016, Wrocław, Poland: proceedings.Piscataway, NJ: IEEE, cop. 2016., 6 (2016), pp. 265-272.
- [838] MARKOWSKI, M. Algorithms for deadline-driven dynamic multicast scheduling problem in elastic optical networks. Tech. Rep. nr 19, 2016.
- [839] MARKOWSKI, M. Utilization balancing algorithms for dynamic multicast scheduling problem in eon. International Journal of Electronics and Telecommunications 62, 4 (2016).
- [840] MARKOWSKI, M. Heuristic algorithms for joint optimization of unicast and anycast traffic in elastic optical network-based large-scale computing systems. *International Journal of Applied Mathematics and Computer Science* 27, 3 (2017).
- [841] MARKOWSKI, M., AND KASPRZAK, A. A. An exact algorithm for host allocation, capacity and flow assignment problem in wan. In *Internet technologies, applications and societal* impact. IFIP TC6/WG6. 4 Workshop on Internet Technologies, Applications and Societal Impact (WITASI 2002), Wrocław, October 10-11, 2002 / Ed. by Wojciech Cellary, Arun Iyengar.Boston [i in.]: Kluwer Academic Publ., cop. 2002. (2002), pp. 73-82.
- [842] MARKOWSKI, M., AND KASPRZAK, A. A. An approximate algorithm for servers allocation, capacity and flow assignment problem in wan. In Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 343-348.
- [843] MARKOWSKI, M., AND KASPRZAK, A. A. Hosts allocation and topology assignment problem in wan: an algorithm and computational results. In Computational engineering in systems applications. CESA '2003 IMACS Multiconference [Dokument elektroniczny], Lille, France, July 9-11, 2003 / Ed. by Pierre Borne, Etienne Craye, Nathalie Dangoumau. [Lille: Ecole Centrale de Lille, 2003.7] s. (2003).
- [844] Markowski, M., and Kasprzak, A. A. An approximate algorithm for replica allocation problem in wide area networks. In 12th GI/ITG Conference on Measuring, Modelling and Evaluation of Computer and Communication Systems (MMB) together with 3rd Polish-German Teletraffic Symposium (PGTS). MMB & PGTS 2004, Dresden, September 12-15, 2004 / Eds Peter Buchholz, Ralf Lehnert, Michal Pioro.Berlin; Offenbach: VDE Verlag, cop. 2004. (2004), pp. 161–166.
- [845] MARKOWSKI, M., AND KASPRZAK, A. A. An approximate algorithm for servers allocation, topology, capacity and flow assignment problem in wide area networks. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004., 1 rys (2004), Acta MOSIS, pp. 35-40.
- [846] MARKOWSKI, M., AND KASPRZAK, A. A. An approximate algorithm for web replica allocation and topology assignment problem in wan. In Scientific computation, applied mathematics and simulation. 17th IMACS World Congress [Dokument elektroniczny], Paris, July 11-15, 2005.Lille: Ecole Centralle de Lille, [2005.6] s. (2005).

- [847] MARKOWSKI, M., AND KASPRZAK, A. A. On the resource replication problem with connecting cost constraint in wan. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 103-108.
- [848] MARKOWSKI, M., AND KASPRZAK, A. A. The web replica allocation and topology assignment problem in wide area networks: algorithms and computational results. *Lecture Notes in Computer Science* 3483 (2005).
- [849] MARKOWSKI, M., AND KASPRZAK, A. A. Analysis of computational results for servers allocation, capacity and flow assignment problem in wan. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 225–230.
- [850] MARKOWSKI, M., AND KASPRZAK, A. A. The three-criteria servers replication and topology assignment problem in wide area networks. Lecture Notes in Computer Science 3982 (2006).
- [851] MARKOWSKI, M., AND KASPRZAK, A. A. An approximate algorithm for the servers replication problem with two cost constraints in wan. In Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Networks as part of the 25th IASTED International Multi-Conference on Applied Informatics, Innsbruck, Austria, February 13-15, 2007 / Ed. H. Burkhart.Anaheim [i in.]: Acta Press, [2007]. (2007), pp. 239-244.
- [852] MARKOWSKI, M., AND KASPRZAK, A. A. Dependence of quality of service in wide area networks on allocation of resources - simulation and analysis. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 13-16.
- [853] MARKOWSKI, M., AND KASPRZAK, A. A. An exact algorithm for the servers allocation, capacity and flow assignment problem with cost criterion and delay constraint in wide area networks. Lecture Notes in Computer Science [Dokument elektroniczny] 4487 (2007).
- [854] MARKOWSKI, M., AND KASPRZAK, A. A. The lower bound for servers allocation and topology assignment problem in wide area networks. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 197-202.
- [855] MARKOWSKI, M., AND KASPRZAK, A. A. An approximate algorithm for three-criteria replica allocation problem in wan. In Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Networks as part of the 26th IASTED International Multi-Conference on Applied Informatics, Innsbruck, Austria, February 12-14, 2008 / ed. H. Burkhart.Anaheim, CA [i in.]: ACTA Press, cop. 2008. (2008), pp. 265–270.
- [856] MARKOWSKI, M., AND KASPRZAK, A. A. The cost-constrained web replica placement design in computer networks - an approximate approach. In 23rd International Symposium on Computer and Information Sciences, IEEE ISCIS 2008 [Dokument elektroniczny], Istanbul, Turkey, October 27-29, 2008.Piscataway, NJ: IEEE, cop. 2008.[4] s. (2008).
- [857] MARKOWSKI, M., AND KASPRZAK, A. A. Cost-minimizing algorithm for replica allocation and topology assignment problem in wan. Lecture Notes in Computer Science 5101 (2008).

- [858] MARKOWSKI, M., AND KASPRZAK, A. A. Server allocation strategy for wide area computer networks. Polish Journal of Environmental Studies 17, 2B (2008).
- [859] MARKOWSKI, M., AND KASPRZAK, A. A. Servers allocation problem in wan analysis of results and usefulness of intelligent computational methods. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 73-78.
- [860] MARKOWSKI, M., AND KASPRZAK, A. A. Server's connecting cost in wide area networks design. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 122-127.
- [861] MARKOWSKI, M., AND KASPRZAK, A. A. Computational properties of servers' allocation algorithms for wide area networks. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 81-86.
- [862] MARKOWSKI, M., AND KASPRZAK, A. A. Simulation-based estimation of servers' allocation cost in wide area networks. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 74-81.
- [863] MARKOWSKI, M., AND KASPRZAK, A. A. Replica allocation problem in wan properties of exact and approximate algorithms. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 61-67.
- [864] MARKOWSKI, M., AND KASPRZAK, A. A. Dependencies of servers' replication outlay on two-criteria replica allocation problems parameters. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 109-114.
- [865] MARKOWSKI, M., RYBA, P., AND PUCHALA, K. J. Software defined networking research laboratory - experimental topologies and scenarios. In The Third European Network Intelligence Conference, ENIC 2016 [Dokument elektroniczny]: 05-07 September 2016, Wrocław, Poland: proceedings.Piscataway, NJ: IEEE, cop. 2016., 4 (2016), pp. 252–256.
- [866] Matkowski, R., Gisterek, I., Halon, A., Lacko, A., Szewczyk, K., Staszek, U., Pudelko, M., Szynglarewicz, B., Szelachowska, J., Zolnierek, A., and Kornafel, J. The prognostic role of tumor-infiltrating cd4 and cd8 t lymphocytes in breast cancer. *Anticancer Research* 29, 7 (2009).
- [867] Melinska, A. U., Antosik, B., Kedziora, M., Wagel, J., Sasiadek, M., and Bedzinski, R. Analysis of using 2d data (x-ray images) to modelling tissue structures. In Current trends in development of implantable tissue structures, Warsaw, April 2012 / ed. by R. Bedzinski, M. Petrtyl. Warsaw: International Centre of Biocybernetics Polish Academy of Sciences, 2012. (2012), Lecture Notes of the ICB Seminar, pp. 88–93.
- [868] Merk, A. Opracowanie i ocena eksperymentalna algorytmow budowy struktur danych na potrzeby klasyfikacji strumieni danych. Tech. Rep. nr 5, 2017.

- [869] Merk, A., Cal, P., and Wozniak, M. Distributed dbscan algorithm concept and experimental evaluation. In *Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).*[Cham]: Springer, cop. 2018., 6 (2018), Advances in Intelligent Systems and Computing, pp. 472–480.
- [870] MICHALEC, P., TARNAWSKI, W., AND MAZUR, Z. Recognition of the medical structures in computerized chest radiograph processing. In Computer recognition systems. Marek Kurzynski [i in.] (eds).Berlin [i in.]: Springer, cop. 2005.s. 619-626,6 rys., bibliogr. 19 poz., Advances in Soft Computing. 2005.
- [871] MICHALUSZKO, M., POLAK, D., RATAJCZAK, P., AND POZNIAK-KOSZALKA, I. Line planning problem solving using evolutionary approach. In Computer systems engineering : theory & applications : [10th, 11th, 12th & 13th] Polish-British Workshops, Szklarska Poreba, Poland, [3-6] June 2010, Jugow, Poland, [16-19] June 2011, Zlotniki Lubanskie, Poland, [24-27] May 2012, Srebrna Gora, Poland, [6-9] June 2013 / eds. Keith J. Burnham [i in.].[Wroclaw : Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2014]., 7 (2014), pp. 106-115.
- [872] MICKIEWICZ, B., AND GLADYSZ, J. The system of the dispersed distribute of data in computer networks using anycast flows. *Polish Journal of Environmental Studies* 18, 3B (2009).
- [873] Mickiewicz, B., Zgrzywa, A., and Grzybowski, A. Bezpieczenstwo danych praktyczne zastosowania metod szyfrowania w vpn (virtual private network). In Zagadnienia bezpieczenstwa w systemach informacyjnych: praca zbiorowa / pod red. Zbigniewa Huzara i Zygmunta Mazura. Warszawa: Wydawnictwa Komunikacji i Lacznosci, 2008.s. 117-125,2 rys., 2 tab., bibliogr. 11 poz. 2008.
- [874] Miksa, T., Koszalka, L., and Kasprzak, A. A. Comparison of heuristic methods applied to optimization of computer networks. In GlobeNet 2012: The Eleventh International Conference on Networks, ICN 2012 [Dokument elektroniczny]: February 29 March 5, 2012, Saint Gilles, Reunion Island / eds. Pascal Lorenz, Tibor Gyires, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2012. (2012), pp. 34–38.
- [875] Miksa, T., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Cost optimization in wide area network design: an evaluation of created algorithms. In Proceedings of the 2011 2nd International Congress on Computer Applications and Computational Science. Vol. 1 / Ford Lumban Gaol and Quang Vinh Nguyen (eds.). Berlin; Heidelberg: Springer, cop. 2012.s. 191-197,6 rys., bibliogr. 9 poz., vol. 144 of Advances in Intelligent and Soft Computing. 2012.
- [876] Murthy, G. R., Zolnierek, A., and Koszalka, L. Optimal control of time varying linear systems: neural networks. In 2014 2nd International Symposium on Computational and Business Intelligence, ISCBI 2014: proceedings, 7-8 December 2014, New Delhi, India / ed. by Suash Deb, Antoaneta Serguieva, and Simon Fong.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2014., 3 (2014), pp. 1-4.
- [877] Myszura, R., and Zubrzak, B. Analiza skupien a budowa sieci szkieletowych na przykladzie umts. In Człowiek cywilizacja przyszłosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 137–142.
- [878] Nagly, P., and Walkowiak, K. Simulated annealing algorithm for minimization of bandwidth fragmentation in elastic optical networks with multicast and unicast flows. In Intelligent data engineering and automated learning - IDEAL 2015: 16th International

- Conference, Wroclaw, Poland, October 14-16, 2015: proceedings / Konrad Jackowski [i in.] (eds).Cham [i in.]: Springer, cop. 2015., 7 (2015), Lecture Notes in Computer Science, pp. 318–327.
- [879] NOWAK, D., AND WALKOWIAK, K. Pre-paid charging system for sip-p2p commercial applications. International Journal of Computer Networks & Communications 3, 2 (2011).
- [880] NOWICKA, E. I. Simulation as support for computer attack signature detection. In New trends in system simulation. Proceedings of the International Winter Workshop, [Krnov, Czech Republic, February 25-26, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 49–52.
- [881] Nowicka, E. I., and Kisilewicz, J. Computer attack recognition: a survey of existing approaches to intrusion detection. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 103–108.
- [882] Nowicka, E. I., Kisilewicz, J., and Kuchta, M. Applying evolutionary computation to intrusion detection. In *Information systems research and management cybernetics*. [15th International Conference on Systems Research, Informatics and Cybernetics], [Baden-Baden, Germany, July 28 August 2, 2003]. Vol. 1 / Ed. by George E. Lasker, Aleksander Zgrzywa. Windsor: International Institute for Advanced Studies in Systems Research and Cybernetics, cop. 2003. (2003), pp. 21–26.
- [883] NOWODZINSKI, A., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Exploding balls principle as a method of global optimization. In Computational collective intelligence: technologies and applications: 5th International Conference, ICCCI 2013, Craiova, Romania, September 11-13, 2013: proceedings / Costin Badica, Ngoc Thanh Nguyen, Marius Brezovan (eds.)Berlin; Heidelberg: Springer, cop. 2013., 8 (2013), Lecture Notes in Computer Science., pp. 388–398.
- [884] Ociepka, M., Koszalka, L., and Pozniak-Koszalka, I. Comparative analysis of data stores and data access methods in java enterprise using experimentation system. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 141–147.
- [885] Ohia, D., Koszalka, L., and Kasprzak, A. A. Evolutionary algorithm for solving congestion problem in computer networks. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence [Dokument elektroniczny] 5711 (2009).
- [886] Ohia, D., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Efficiency analysis of evolutionary algorithm for congestion problem using computer experimentation system. In *The Eighth International Conference on Networks, (ICN 2009) [Dokument elektroniczny], Gosier, Guadeloupe/France, 1-6 March 2009 / eds Robert Bestak [i in.Los Alamitos i in.] : IEEE Computer Society [Press], cop. 2009.* (2009), pp. 162–169.
- [887] OJHA, V. K., JACKOWSKI, K., AJITH, A., AND SNASEL, V. Dimensionality reduction, and function approximation of poly(lactic-co-glycolic acid) micro- and nanoparticle dissolution rate. *International Journal of Nanomedicine [Dokument elektroniczny] 10* (2015).
- [888] Oko, J., Jackowski, K., Klink, J., Kurzynski, M., Ropuszynska-Surma, E., Szalbierz, Z., Trzaska, R., Walkowiak, K., Weglarz, M., and Wozniak, M. Strategia rozwoju społeczenstwa informacyjnego na dolnym słasku do roku 202. Tech. Rep. nr 39, 2012.

- [889] OLIJNYK, O., AND WOZNIAK, M. Risk in it projects and its influences on their successes. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 53-58.
- [890] OLIJNYK, O., AND WOZNIAK, M. Nieudany projekt decyzja o zamknieciu czy naprawa do skutku? Studia i Materiały Polskiego Stowarzyszenia Zarzadzania Wiedza, 36 (2010).
- [891] Olszewski, M. System eksperymentowania porownujacy rozwiazania problemu komiwojazera, dostarczone przez algorytm genetyczny i algorytm oparty na optymalizacji kolonia mrowek. In Człowiek - cywilizacja - przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 349–356.
- [892] Olszewski, M., and Koszalka, L. Experimentation system for comparing ga and aco approaches to solving tsp. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 125–136.
- [893] Olsztynska-Janus, S., Kmiecik, B., Komorowska, M., Detyna, J., and Krawczyk, B. Analiza zmian zachodzacych w osoczu przy zastosowaniu aparatu do wspomagania oddychania. In Wrocławskie Obchody 100-lecia Istnienia Polskiego Towarzystwa Statystycznego: materiały konferencyjne, Wrocław, 18-19 pazdziernika 2012 / red. Walenty Ostasiewicz. [Wrocław: Polskie Towarzystwo Statystyczne. Oddział we Wrocławiu, 2012]. (2012), pp. 85-85.
- [894] ORLOWSKI, R., CHAMOW, M., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Bandwidth allocation algorithms for voip networks. In *InfoWare 2011 [Dokument elektroniczny]: The Seventh International Conference on Wireless and Mobile Communications, ICWMC 2011, June 19-24, 2011, Luxembourg City, Luxembourg / eds. Dragana Krstic, Andreas Loffler, Constantin Paleologu.[B.m.]: IARIA, cop. 2011.* (2011), pp. 122–127.
- [895] OSEKOWSKA, E., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Impact of propagation factors on routing efficiency in wireless mesh networks. In GlobeNet 2012: The Eleventh International Conference on Networks, ICN 2012 [Dokument elektroniczny]: February 29 March 5, 2012, Saint Gilles, Reunion Island / eds. Pascal Lorenz, Tibor Gyires, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2012. (2012), pp. 28-33.
- [896] OSEKOWSKA, E., POZNIAK-KOSZALKA, I., AND KOSZALKA, L. Simulation system for evaluation of algorithms to finding the best path in environment with obstacles. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 121–125.
- [897] OSTROWSKI, D., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Comparative analysis of the algorithms for pathfinding in gps systems. In NexComm 2015 [Dokument elektroniczny]: ICN 2015: The Fourteenth International Conference on Networks, SOFTNETWORKING 2015: The International Symposium on Advances in Software Defined Networks, April 19-24, 2015, Barcelona, Spain / eds. Carlos Becker Westphall, Eugen Borcoci, Iwona Pozniak-Koszalka.[B.m.]: IARIA, cop. 2015., 5 (2015), pp. 102-108.
- [898] PAN, J.-S., POLYCARPOU, M. M., WOZNIAK, M., DE CARVALHO, A. C. P. L. F., QUINTIAN, H., AND CORCHADO, E., Eds. Hybrid artificial intelligent systems: 8th international conference, HAIS 2013, Salamanca, Spain, September 11-13, 2013: proceedings (2013), Lecture Notes in Computer Science., Springer, Berlin.

- [899] Penar, W., and Wozniak, M. Machine learning methods for dialysis therapy decision problem - comparative study. In Computer recognition systems. Marek Kurzynski [i in.] (eds).Berlin [i in.]: Springer, cop. 2005.s. 653-659,3 rys., 2 tab., bibliogr. 8 poz., Advances in Soft Computing. 2005.
- [900] Penar, W., and Wozniak, M. Experiments on classifiers obtained via decision tree induction methods with different attribute acquisition cost limit. In Computer recognition systems 2. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2007.s. 371-377,6 rys., 1 tab., bibliogr. 15 poz., vol. 45 of Advances in Soft Computing. 2007.
- [901] Penar, W., and Wozniak, M. Cost-sensitive methods of constructing hierarchical classifiers. Expert Systems [Dokument elektroniczny] 27, 3 (2010).
- [902] Perello, J., Walkowiak, K., Klinkowski, M., Spadaro, S., and Careglio, D. Joint content placement and lightpath routing and spectrum assignment in cdns over elastic optical network scenarios. *Computer Communications* 77 (2016).
- [903] PICHEN, D. Wplyw wykorzystania baz danych na szybkosc tworzenia oprogramowania. In Czlowiek - cywilizacja - przyszlosc : VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008 : referaty. T. 1. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 151–156.
- [904] Pichen, D., and Grzybowski, A. Evaluation of advanced network traffic management capabilities of popular operating systems. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 65–73.
- [905] PICHEN, D., AND POZNIAK-KOSZALKA, I. Embedded database systems influence in soft-ware development improving simulation based comparison. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 127–134.
- [906] Pichen, D., and Pozniak-Koszalka, I. A new trend in software development process using database systems. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 129–139.
- [907] Piec, M., Pozniak-Koszalka, I., and Koziol, M. Analysis of selected aspects of ""ibm i"" security. In *International Joint Conference CISIS'12-ICEUTE'12-SOCO'12 Special Sessions / Alvaro Herrero [i in.] (eds.).Berlin ; Heidelberg : Springer, cop. 2013 (dr. 2012).* (2012), Advances in Intelligent Systems and Computing, pp. 207–214.
- [908] Pietruski, P., Majak, M., and Antoszewski, B. Clinically oriented software for facial symmetry, morphology, and aesthetic analysis. Aesthetic Surgery Journal 38, 1 (2018).
- [909] Pietruski, P., Majak, M., Debski, T., and Antoszewski, B. A novel computer system for the evaluation of nasolabial morphology, symmetry and aesthetics after cleft lip and palate treatmen. *Journal of Cranio-Maxillofacial Surgery* 45, 4 (2017).
- [910] Pietruski, P., Majak, M., Pawlowska, E., Skiba, A., and Antoszewski, B. A novel computer system for the evaluation of nasolabial morphology, symmetry and aesthetics after cleft lip and palate treatmen. *Journal of Cranio-Maxillofacial Surgery* 45, 4 (2017).

- [911] PIOTROWSKI, M., MIODEK, W., POZNIAK-KOSZALKA, I., AND KOSZALKA, L. Simulation based evaluation of overflowing algorithm for task allocation in mesh structures. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 92–98.
- [912] PLESZKUN, M. A., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. Simulation-based evaluation of tasks allocation algorithms in mesh-structured networks. In Applications of systems science / eds. Adam Grzech, Pawel Swiatek, Krzysztof Brzostowski. Warsaw: ""Exit"", 2010.s. 187-196,9 rys., 2 tab., bibliogr. 8 poz. 2010.
- [913] PLESZKUN, M. A., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. Simulation-based task allocation in mesh network. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 123-129.
- [914] PLESZKUN, M. A., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. Task allocation within mesh structured network: an experimentation system and comparison of algorithms. In Information systems architecture and technology: networks and networks' services / eds. Adam Grzech [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2010.s. 137-147,7 rys., 1 tab., bibliogr. 8 poz., Biblioteka Informatyki Szkol Wyzszych. 2010.
- [915] PLESZKUN, M. A., AND LOPUSZYNSKI, J. Dynamic tasks allocation in mesh networks. In Czlowiek - cywilizacja - przyszłosc : VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009 : referaty. T. 2. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Streszcz. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 109-114.
- [916] Pohoski, A., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Experimentation system for determining bus routes for customers of supermarket chains. In Advances in Human Aspects of Transportation: proceedings of the AHFE 2016 International Conference on Human Factors in Transportation, July 27-31, 2016, Walt Disney World(r), USA / Neville A. Stanton [i in.] (eds.).[Cham]: Springer, cop. 2017., 9 (2017), Advances in Intelligent Systems and Computing, pp. 611-622.
- [917] POLYCARPOU, M. M., DE CARVALHO, A. C. P. L. F., PAN, J.-S., WOZNIAK, M., QUINTIAN, H., AND CORCHADO, E., Eds. Hybrid Artificial Intelligence Systems: 9th International Conference, HAIS 2014, Salamanca, Spain, June 11-13, 2014: proceedings (2014), Lecture Notes in Computer Science, Springer, Cham [i in.].
- [918] Poreba, R., and Koszalka, L. Comparison of bandwidth and energy consumption in table-driven and on-demand routing protocols for mobile wireless networks. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 72-79.
- [919] Porwik, P. Development of a classifier learning algorithm which works on a reduced set of input data. Tech. Rep. nr 23, 2014.
- [920] PORWIK, P. Development of heterogeneous classifiers in analysis of liver fibrosis. Tech. Rep. nr 105, 2015.
- [921] Porwik, P. Opracowanie algorytmu uczenia klasyfikatora pracujacego w oparciu o przyciety zbior danych. Tech. Rep. nr 34, 2015.
- [922] Рокwik, P. Analiza pracy klasyfikatorow pracujacych w oparciu o niezrownowazone i niepelne dane uczace. Tech. Rep. nr 29, 2016.

- [923] PORWIK, P. Evaluation of classifiers in the analysis of medical and biometric data streaming. Tech. Rep. nr 72, 2016.
- [924] Postawka, A. M., and Pozniak-Koszalka, I. Task allocation within mesh networks: influence of architecture and algorithms. In Progress in systems engineering: proceedings of the Twenty-Third International Conference on Systems Engineering / Henry Selvaraj, Dawid Zydek, Grzegorz Chmaj (eds.). Cham [i in.]: Springer, cop. 2015 (dr. 2014)., 5 (2014), Advances in Intelligent Systems and Computing, pp. 869–875.
- [925] Pozniak-Koszalka, I. Using simulation for parallel processor configuration design. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan.Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 49-54.
- [926] Pozniak-Koszalka, I. Flexible parallel computer system for compound recognition. In Computer recognition systems. [3rd Conference on Computer Recognition Systems -KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wrocław: Chair of Systems and Computer Networks. Wrocław University of Technology, 2003. (2003), pp. 123–129.
- [927] Pozniak-Koszalka, I. Choosin efficient processor configuration in star network via simulation. In Proceedings of the IASTED International Conference on Applied Simulation and Modelling, Rhodes, Greece, June 28-30, 2004 / Ed. M. H. Hamza. Anaheim, Ca. [in.]: Acta Press, cop. 2004. (2004), pp. 371-376.
- [928] Pozniak-Koszalka, I. Relacyjne bazy danych w srodowisku Sybase. Oficyna Wydaw. PWroc., Wroclaw:, 2004.
- [929] POZNIAK-KOSZALKA, I., AND HELWICH, M. Database systems simulation and optimization. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 167-172.
- [930] Pozniak-Koszalka, I., and Helwich, M. Experimentation system for evaluating mysql database management system efficiency. In Proceedings of the IASTED International Conference on Database and Applications as part of the 23rd IASTED International Multi-Conference on Applied Informatics, Innsbruck, Austria, February 14-16, 2005 / Ed. M. H. Hamza. Anaheim [i in.]: Acta Press, cop. 2005. (2005), pp. 94-98.
- [931] POZNIAK-KOSZALKA, I., AND KOSZALKA, L. Choice of database system configuration supported by simulation. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 41–46.
- [932] POZNIAK-KOSZALKA, I., AND KOSZALKA, L. Gisness system for supporting business decision making and fast tsp solving with hybrid algorithm. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [933] Pozniak-Koszalka, I., Koszalka, L., and Kubiak, M. Allocation algorithm for mesh structured networks. In *International Conference on Networking (ICN 2006) [Dokument elektroniczny]*, Morne, Mauritius, 23-28 April 2006 / Eds P. Lorenz [i in.].[Los Alamitos i in.]: IEEE Computer Society [Press], cop. 2006.[5] s. (2006).
- [934] POZNIAK-KOSZALKA, I., KULAGA, I., AND KOSZALKA, L. Gisness system for fast tsp solving and supporting decision making. Lecture Notes in Computer Science 4238 (2006).

- [935] POZNIAK-KOSZALKA, I., AND PICHEN, D. Simulation based evaluation of algorithms for improving efficiency of database systems. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 211-218.
- [936] POZNIAK-KOSZALKA, I., AND PICHEN, D. Simulation based evaluation of hardware methods for improving efficiency of database systems. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 131–136.
- [937] POZNIAK-KOSZALKA, I., AND PICHEN, D. Simulation based evaluation of methods for improving database systems efficiency. In The Third International Conference on Systems (ICONS 2008) [Dokument elektroniczny], Cancun, Mexico, 13-18 April 2008 / eds Ekaterina Prasolova-Forland, Manuela Popescu. [Los Alamitos i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 265–270.
- [938] Pozniak-Koszalka, I., Proma, W., Koszalka, L., Pol, M., and Kasprzak, A. A. Task allocation in mesh structure: 2side leapfrog algorithm and q-learning based algorithm. In Computational science and its applications ICCSA 2012: 12th international conference, Salvador de Bahia, Brazil, June 18-21, 2012: proceedings. Pt. 4 / Beniamino Murgante [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 576-587.
- [939] Pozniak-Koszalka, I., Rabiega, B., Koszalka, L., and Kasprzak, A. A. Simulation based analysis of expanding square strategy efficiency for task allocation in mesh networks. In Proceedings of IASTED 2012 African Conferences [Dokument elektroniczny]: Modelling and Simulation (AfricaMS 2012), September 3-5, 2012, Gaborone, Botswana / ed. F.J. Ogwu. Anaheim [i in.]: Acta Press, cop. 2012. (2012), pp. 237–241.
- [940] Pozniak-Koszalka, I., and Rudek, R. System with database for evaluating some multicriterion optimisation algorithms. In Sixteenth International Conference on Systems Engineering. ICSE '2003. Proceedings, Coventry, 9-11 September 2003. Vol. 2 / Eds Keith J. Burnham and Olivier C. L. Haas. Coventry: Coventry University, cop. 2003. (2003), pp. 565-569.
- [941] Pozniak-Koszalka, I., and Zydek, D. Algoritms of unicast, multicast and broadcast transmission for optical switches. In Sixth International Conference on Networking (ICN 2007) [Dokument elektroniczny], Sainte-Luce, Martinique, France, 22-28 April 2007 / Eds Cosmin Dini [i in.].Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2007.[6] s. (2007).
- [942] Przewozniczek, M. W. An evolutionary algorithm for joint optimization of unicast and anycast traffic in elastic optical networks. Tech. Rep. nr 14, 2014.
- [943] Przewozniczek, M. W. Evolutionary algorithm for optimization of multicast flows in elastic optical networks. Tech. Rep. nr 15, 2016.
- [944] Przewozniczek, M. W., Goscien, R. J., Walkowiak, K., and Klinkowski, M. Towards solving practical problems of large solution space using a novel pattern searching hybrid evolutionary algorithm an elastic optical network optimization case study. *Expert Systems with Applications* 42, 21 (2015).
- [945] Przewozniczek, M. W., and Walkowiak, K. Evolutionary algorithm for congestion problem in connection-oriented networks. Lecture Notes in Computer Science 3483 (2005).

- [946] Przewozniczek, M. W., and Walkowiak, K. Quasi-hierarchical evolution algorithm for flow assignment in survivable connection-oriented networks. *International Journal of Applied Mathematics and Computer Science* 16, 4 (2006).
- [947] PRZEWOZNICZEK, M. W., AND WALKOWIAK, K. Quasi-hierarchical evolutionary algorithm for flow optimization in survivable mpls networks. Lecture Notes in Computer Science 4707 (2007).
- [948] Przewozniczek, M. W., Walkowiak, K., and Aibin, M. The evolutionary cost of baldwin effect in the routing and spectrum allocation problem in elastic optical networks. *Applied Soft Computing* 52 (2017).
- [949] Przewozniczek, M. W., Walkowiak, K., and Wozniak, M. Optimizing distributed computing systems for k-nearest neighbours classifiers - evolutionary approach. *Logic Journal of the IGPL 19*, 2 (2011).
- [950] Puchala, E. The computer processing of ecg signals improves classification methods and algorithms for parameters detection. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan. Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 153-158.
- [951] PUCHALA, E. A bayes algorithm for the multitask pattern recognition problem direct approach. In Computational science ICCS 2003. International conference. Proceedings, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Pt. 3 / Peter M. A. Sloot [i in.] (eds).Berlin [i in.] : Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 3–10.
- [952] Puchala, E. The complex pattern recognition algorithms comparative analysis. In Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 101–105.
- [953] Puchala, E. The multiperspective pattern classification algorithms with learning. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 91–95.
- [954] Puchala, E. The quasi-optimal algorithm for the multitask pattern recognition. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wrocław: Chair of Systems and Computer Networks. Wrocław University of Technology, 2003. (2003), pp. 383–386.
- [955] Puchala, E. A bayes algorithm for the multitask pattern recognition problem direct and decomposed independent approaches. In Computational science and its applications -ICCSA 2004. International conference. Proceedings, Assisi, Italy, May 14-17, 2004. Pt. 4 / Antonio Lagana [i in.] (eds). Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 39-45.
- [956] PUCHALA, E. A certain criterion for the feature reduction task. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 183–188.
- [957] PUCHALA, E. The multitask pattern recognition with learning direct approach. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 81–85.

- [958] Puchala, E. Linear feature extraction task using genetic algorithm. Polish Journal of Environmental Studies 17, 2B (2008).
- [959] PUCHALA, E., AND BUJNOWSKA-FEDAK, M. M. Telemedycyna teoria i praktyka. Przewodnik Lekarza 12, 1 (2009).
- [960] PUCHALA, E., AND BUJNOWSKA-FEDAK, M. M. Computer aided decision for the telediabetes system. In Biomedical Engineering - 2011: proceedings of international conference, Kaunas, [Lithuania], 27-28 October 2011. Kaunas: Technologija, 2011. (2011), pp. 72-76.
- [961] PUCHALA, E., AND BUJNOWSKA-FEDAK, M. M. Telemedycyna wczoraj i dzis. Inzynier i Fizyk Medyczny 1, 3 (2012).
- [962] PUCHALA, E., AND KRYSMANN, M. An algorithm for detecting the instant of olfactory stimulus perception, using the eeg signal and the hilbert-huang transform. In Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.). [Cham]: Springer, cop. 2018., 6 (2018), Advances in Intelligent Systems and Computing, pp. 499–505.
- [963] PUCHALA, E., KRYSMANN, M., AND KURZYNSKI, M. Hilbert-huang transform applied to the recognition of multimodal biosignals in the control of bioprosthetic hand. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 8 (2016), Advances in Intelligent Systems and Computing, pp. 565–575.
- [964] PUCHALA, E., KURZYNSKI, M., AND PUCHALA, K. J. A feature extraction algorithm for the multitask pattern recognition problem. In Advances in mathematical and computational methods: proceedings of the 14th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE '12), Sliema, Malta, September 7-9, 2012 / [ed. Mihaiela Iliescu].[B.m.]: WSEAS Press, cop. 2012. (2012), Mathematics and Computers in Science and Engineering Series, pp. 308-312.
- [965] PUCHALA, E., AND REISNER, K. Comparison of multi-label and multi-perspective classifiers in multi-task pattern recognition problems. In Proceedings of the 9th International Conference on Computer Recognition Systems, CORES 2015 / Robert Burduk, Konrad Jackowski, Marek Kurzynski, Michal Wozniak, Andrzej Zolnierek (Eds.).[Cham]: Springer, cop. 2016., 6 (2016), Advances in Intelligent Systems and Computing, pp. 275–282.
- [966] PUCHALA, E., AND REWAK, A. Genetic algorithm for feature reduction task. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 104–108.
- [967] PUCHALA, E., AND REWAK, A. The measure of classes separation in feature reduction task has application in pattern classification. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 31-34.
- [968] Puchala, E., and Rewak, A. New criterion of features reduction in pattern recognition. In Cybernetics and systems 2004. Proceedings of the Seventeenth European Meeting on Cybernetics and Systems Research, Vienna, 13-16 April 2004. Vol. 1 / Ed. by Robert Trappl. Vienna: Austrian Society for Cybernetic Studies, cop. 2004. (2004), pp. 64-66.

- [969] Puchala, E., and Rewak, A. The feature extraction procedure for pattern recognition with learning using genetic algorithm. In New advances in simulation, modelling and optimization. Proceedings of the 7th WSEAS International Conference on Simulation, Modelling and Optimization (SMO '07), Beijing, China, September 15-17, 2007 / [Ed. De Xu].[Athens]: WSEAS Press, cop. 2007. (2007), Electrical and Computer Engineering Series, pp. 32-36.
- [970] PUCHALA, E., REWAK, A., AND WOZNIAK, M. The genetic algorithm for feature reduction task. In Scientific computation, applied mathematics and simulation. 17th IMACS World Congress [Dokument elektroniczny], Paris, July 11-15, 2005.Lille: Ecole Centralle de Lille, [2005.4] s. (2005).
- [971] Puchala, K. J. Simulation of ospf and mospf protocols in the tcp/ip wide area network. In Modelling and simulation of systems. Proceedings of the [40th] conference, [Prerov, Czech Republic, April 25-27, 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 197–202.
- [972] PUCHALA, K. J., AND KASPRZAK, A. A. A heuristic algorithm for simultaneously unicast and multicast routing assignment problem in wan. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 40–44.
- [973] PUCHALA, K. J., AND KASPRZAK, A. A. Multicast and unicast routing problem in wan. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 61-66.
- [974] PUCHALA, K. J., AND KASPRZAK, A. A. Optimal unicast and multicast flow assignment problem in wide area networks. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 87-91.
- [975] PUCHALA, K. J., AND RYMER, W. Komputerowy algorytm oceny mozliwosci wykluczenia ryzyka zakazenia hiv, hbv, hcv w postepowaniu poekspozycyjnym po narazeniu na material bilogiczny. Tech. Rep. nr 62, 2015.
- [976] Pytel, K., Kluka, G., and Kisilewicz, J. Zastosowanie algorytmow genetycznych do optymalizacji sieci komputerowych. In Multimedialne i sieciowe systemy informacyjne. Materialy konferencyjne, [Szklarska Poreba, 16-17 wrzesnia 2004]. Vol. 1 / pod red. Czeslawa Danilowicza. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), pp. 425–431.
- [977] Quoos, M., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Multiple classifier system with metaheuristic algorithms. In Computational science and its applications, ICCSA 2015: 15th International Conference, Banff, AB, Canada, June 22-25, 2015: proceedings. Pt. 2 / Osvaldo Gervasi [i in.] (Eds.).Cham [i in.]: Springer, cop. 2015., 8 (2015), Lecture Notes in Computer Science, pp. 43-54.
- [978] RAK, J., PICKAVET, M., TRIVEDI, K. S., LOPEZ, J. A., KOSTER, A. M., STERBENZ, J. P., CETINKAYA, E. K., GOMES, T., GUNKEL, M., WALKOWIAK, K., AND STAESSENS, D. Future research directions in design of reliable communication systems. *Telecommunication Systems* 60, 4 (2015).
- [979] RAK, J., STERBENZ, J. P., SHEN, G., AND WALKOWIAK, K., Eds. Proceedings of RNDM 2014: 6th International Workshop on Reliable Networks Design and Modeling, November 17-19, 2014, Barcelona, Spain (2014), IEEE, Danvers, MA.

- [980] RAK, J., AND WALKOWIAK, K. Survivability of anycast and unicast flows under attacks on networks. In Proceedings of RNDM 2010 2nd International Workshop on Reliable Networks Design and Modeling co-located with 2010 International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT), October 19-20, 2010, Moscow, Russia / [eds Jacek Rak, David Tipper, Krzysztof Walkowiak]. Piscataway, NJ: IEEE, cop. 2010. (2010), pp. 34-40.
- [981] RAK, J., AND WALKOWIAK, K. Reliable anycast and unicast routing: protection against attacks. Telecommunication Systems 52, 2 (2013).
- [982] Ramirez-Gallego, S., Krawczyk, B., Garcia, S., Wozniak, M., Benitez, J. M., and Herrera, F. Nearest neighbor classification for high-speed big data streams using spark. *IEEE Transactions on Systems, Man and Cybernetics: Systems* 47, 10 (2017).
- [983] Ramirez-Gallego, S., Krawczyk, B., Garcia, S., Wozniak, M., and Herrera, F. A survey on data preprocessing for data stream mining. *Neurocomputing* 239 (2017).
- [984] RATAJCZAK, P., MICHALUSZKO, M., POLAK, D., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Hybrid algorithm for line planning problem. In 2013 International Symposium on Computational and Business Intelligence, ISCBI 2013: proceedings, 24-26 August 2013, New Delhi, India.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2013., 3 (2013), pp. 174-177.
- [985] Regula, P., Pozniak-Koszalka, I., Koszalka, L., and Kasprzak, A. A. Evolutionary algorithms for base station placement in mobile networks. In *Intelligent information and database systems: Third International Conference, ACIIDS 2011, Daegu, Korea, April 20-22, 2011: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Chong-Gun Kim, Adam Janiak (eds.).Berlin; Heidelberg: Springer, cop. 2011.* (2011), Lecture Notes in Computer Science., pp. 1–10.
- [986] REJER, I., AND BURDUK, R. Classifier selection for motor imagery brain computer interface. In Computer Information Systems and Industrial Management: 16th IFIP TC8 International Conference, CISIM 2017, Bialystok, Poland, June 16-18, 2017: proceedings / Khalid Saeed, Wladyslaw Homenda, Rituparna Chaki (eds.).[Cham]: Springer, cop. 2017., 6 (2017), Lecture Notes in Computer Science, pp. 122–130.
- [987] Respondek, M., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Trial testing efficiency of algorithms for task execution in multi-processor systems. In *InfoWare 2013 [Dokument elektroniczny]: The Eighth International Multi-Conference on Computing in the Global Information Technology, ICCGI 2013, July 21-26, 2013, Nice, France / eds. John Terzakis, Constantin Paleologu, Tibor Gyires.[B.m.]: IARIA, cop. 2013., 5 (2013), pp. 253–258.*
- [988] Rewak, A. Metody redukcji cech dla zadania klasyfikacji z wykorzystaniem algorytmow ewolucyjnych. PhD thesis, 2008.
- [989] Robak, K., and Kozik, A. Dekodowanie sasiedztwa przy wyliczaniu dlugosci polaczen blokow opracowanie i analiza algorytmow. Tech. Rep. nr 4, 2010.
- [990] Rudek, R. Q-learning based algorithm for solving unknown multi-criteria graphs. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 407–410.

- [991] Rudek, R. Wprowadzenie do idei adaptacyjnego strojenia kontrolera pi przy uzyciu algorytmow uczenia ze wzmocnieniem uwzgledniajac wielkości overshoot i steady state error. In Człowiek cywilizacja przyszłośc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 357-363.
- [992] Rudek, R., Burnham, K. J., and Koszalka, L. Introduction to pi adaptive autotuning using reinforcement learning algorithm. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 137-146.
- [993] Rudek, R., and Kmiecik, W. H., Eds. Computer systems engineering: theory and applications (2016), Department of Systems and Computer Networks, Faculty of Electronics, Wroclaw University of Science and Technology, [Wroclaw.
- [994] Rudek, R., Koszalka, L., and Pozniak-Koszalka, I. Introduction to multi-agent modified q-learning routing for computer networks. In Advanced Industrial Conference on Telecommunications/Service Assurance with Partial and Intermittent Resource Conference/E-learning on Telecommunications Workshop. Proceedings, Lisbon, July 17-20, 2005 / [Eds P. Dini i in.]. Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2005. (2005), pp. 408-413.
- [995] Rudek, R., Pozniak-Koszalka, I., and Koszalka, L. System with database for evaluating routing algorithms in computer networks. In *Proceedings of the 14th IASTED International Conference on Applied Simulation and Modelling, Benalmadena, Spain, June 15-17, 2005 / Ed. M. H. Hamza. Anaheim, Ca. [i in.]: Acta Press, cop. 2005.* (2005), pp. 192–197.
- [996] Rudek, R., Pozniak-Koszalka, I., and Koszalka, L. A multi-agent approach to routing in computer networks. In Eighteenth International Conference on Systems Engineering. ICSE '2006. Proceedings, Coventry, UK, 5-7 September 2006 / Eds K. J. Burnham and O. C. L. Haas. Coventry: Coventry University, cop. 2006. (2006), pp. 413–418.
- [997] RUDEK, R., WIELGUS, A., AND KOZIK, A. The solution algorithms for the multiprocessor scheduling with workspan criterion. Expert Systems with Applications 40, 8 (2013).
- [998] Rudek, R., Wielgus, A., Kozik, A., and Skworcow, P. An impact of model parameter uncertainty on scheduling algorithms. In *ICEIS 2012: proceedings of the 14th International Conference on Enterprise Information Systems, Wroclaw, Poland, 28 June 1 July 2012. Vol. 1 /ed. by Leszek Maciaszek, Alfredo Cuzzocrea, Jose Cordeiro.[B.m.]: SciTePress, cop. 2012. (2012), pp. 353–356.*
- [999] Rudek, R., Wielgus, A., Kozik, A., and Skworcow, P. Optimization of task processing on parallel processors with learning abilities. In 18th International Conference on Methods and Models in Automation & Robotics, MMAR 2013 [Dokument elektroniczny]: 26-29 August, 2013, Miedzyzdroje, Poland. Piscataway, NJ: IEEE, cop. 2013., 3 (2013), pp. 544-547.
- [1000] RUTECKI, K. G. Embedded systems with tcp/ip stack. In 4th International Conference of PhD Students, Miskolc, Hungary, 11-17 August 2003. 1. Engineering sciences / [Eds Laszlo Lehoczky, Laszlo Kalmar]. Miskolc: Innovation and Technology Transfer Centre. University of Miskolc, 2003. (2003), pp. 433-438.
- [1001] RYBA, P. An approximate algorithm for gateway location and topology assignment in hierarchical wan. In Computer recognition systems. [3rd Conference on Computer Recognition Systems - KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski,

- Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 143–147.
- [1002] RYBA, P. Optymalizacja rozmieszczenia bram w hierarchicznych sieciach komputerowych. PhD thesis, 2005.
- [1003] Ryba, P. Allocation of computing resources in two-tier hierarchical wide area networks: an heuristic algorithm. In 2009 2nd International Symposium on Logistics and Industrial Informatics (LINDI), Linz, Austria, 10-11 September 2009 / [Witold Jacak i in. eds.]. Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 92-95.
- [1004] RYBA, P., AND KASPRZAK, A. A. On the glcfa problem in wide area networks. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 169–172.
- [1005] RYBA, P., AND KASPRZAK, A. A. An approximate algorithm for glcfa problem with delay criterion in hierarchical wans. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 135-144.
- [1006] RYBA, P., AND KASPRZAK, A. A. An approximate algorithm for the minimal cost gateways location, capacity and flow assignment in two-level hierarchical wide area networks. *Lecture Notes in Computer Science 3991* (2006).
- [1007] RYBA, P., AND KASPRZAK, A. A. The gateways location and capacity assignment problem in hierarchical wans: an approximate algorithm and computational results. In Cybernetics and Systems 2006. Proceedings of the Eighteenth European Meeting on Cybernetics and Systems Research, Vienna, 18-21 April 2006. Vol. 1 / Ed. by R. Trappl. Vienna: Austrian Society for Cybernetics Studies, cop. 2006. (2006), pp. 46-51.
- [1008] RYBA, P., AND KASPRZAK, A. A. The gateways location and topology assignment problem in hierarchical wide area networks: algorithms and computational results. *Lecture Notes* in Computer Science 3982 (2006).
- [1009] RYBA, P., AND KASPRZAK, A. A. Lower bounds for the gateways location, capacity and flow allocation problem in hierarchical wans. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan.Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 219–224.
- [1010] Ryba, P., and Kasprzak, A. A. Analysis of computational results for the two-criteria gateways location, capacity and flow assignment problem in hierarchical wans. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 125–130.
- [1011] RYBA, P., AND KASPRZAK, A. A. An exact algorithm for the minimal cost gateways location, capacity and flow assignment problem in two-level hierarchical wide area networks. *Lecture Notes in Computer Science* 4707 (2007).
- [1012] RYBA, P., AND KASPRZAK, A. A. Lower bounds for the minimal cost gateways location, capacity and flow assignment problem in hierarchical wans. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 169–174.

- [1013] RYBA, P., AND KASPRZAK, A. A. An approximate algorithm for the two-criteria gateways location, capacity and flow assignment problem in two-level hirarchical wans. In Cybernetics and Systems 2008: proceedings of the Nineteenth European Meeting on Cybernetics and Systems Research, Vienna, Austria, 25-28 March 2008. Vol. 1 / ed. by Robert Trappl. Vienna: Austrian Society for Cybernetic Studies, cop. 2008. (2008), pp. 41-46.
- [1014] RYBA, P., AND KASPRZAK, A. A. Dependence of quality of service on number of gateways in two-tier hierarchical wans. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 108-113.
- [1015] Ryba, P., and Kasprzak, A. A. The general approach to solution of the gateways location and topology assignment problem in hierarchical wide area networks. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [1016] RYBA, P., AND KASPRZAK, A. A. Traffic rate influence on network performance indices in hierarchical wide area network - simulation and analysis. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 116-121.
- [1017] RYBA, P., AND KASPRZAK, A. A. The two-criteria gateways location and topology assignment problem in hierarchical wans: an exact algorithm and computational results. *Lecture Notes in Computer Science* 5073 (2008).
- [1018] RYBA, P., AND KASPRZAK, A. A. Minimal cost allocation of computing resources in two-tier hierarchical wide area networks. In Advanced simulation of systems, [ASIS 2009] : proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 59-63.
- [1019] RYBA, P., AND KASPRZAK, A. A. Modelling distributed computations in two-tier hierarchical wide area networks. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 82–86.
- [1020] RYBA, P., AND KASPRZAK, A. A. An heuristic algorithm for minimal cost allocation of computing resources in two-tier wans. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 68-73.
- [1021] RYCHARD, K., KMIECIK, W. H., KOSZALKA, L., AND KASPRZAK, A. A. Experimentation system for evaluation of heuristic algorithms to solving transportation problem. In GlobeNet 2013: The Eighth International Conference on Systems, ICONS 2013 [Dokument elektroniczny]: January 27 February 1, 2013, Seville, Spain / eds. Raimund Ege, Leszek Koszalka. [B.m.]: IARIA, cop. 2013., 4 (2013), pp. 27–32.
- [1022] RYCHARD, K., POZNIAK-KOSZALKA, I., KOSZALKA, L., KASPRZAK, A. A., AND ZYDEK, D. Evaluation of heuristic algorithms for solving a transportation problem. In InfoWare 2015 [Dokument elektroniczny]: The Tenth International Multi-Conference on Computing in the Global Information Technology, ICCGI 2015, October 11-16, 2015, St. Julians, Malta / eds. Hermann Kaindl, Gyorgy Kalman, Dan Tamir.[B.m.]: IARIA, cop. 2015., 5 (2015), pp. 144–149.

- [1023] SAEZ, J. A., KRAWCZYK, B., AND WOZNIAK, M. Handling class label noise in medical pattern classification systems. *Journal of Medical Informatics & Technologies 24* (2015).
- [1024] SAEZ, J. A., KRAWCZYK, B., AND WOZNIAK, M. Analyzing the oversampling of different classes and types of examples in multi-class imbalanced datasets. *Pattern Recognition* 57 (2016).
- [1025] SAEZ, J. A., KRAWCZYK, B., AND WOZNIAK, M. On the influence of class noise in medical data classification: treatment using noise filtering methods. Applied Artificial Intelligence 30, 6 (2016).
- [1026] Saj, G. Porownanie algorytmow wyszukujących wzorzec w tekscie. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 365–372.
- [1027] Sajko, A., Smuga, P., Francka, M., Dobosz, T., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Algorithms of base stations deployment in gsm cellular network. In Twentieth International Conference on Systems Engineering, ICSE '2009 [Dokument elektroniczny]: proceedings, Coventry, UK, 8-10 September 2009 / eds Keith J. Burnham & Olivier C. L. Haas. Coventry: Coventry University, cop. 2009. (2009), pp. 383–388.
- [1028] SAS, J., AND KURZYNSKI, M. Serwer informacji dla mobilnych uslug telekonsultacyjnych. In Biocybernetyka i inzynieria biomedyczna. XIII Krajowa konferencja naukowa, Gdansk, 10-13 wrzesien 2003. T. 1. Biosystemy / Red. Antoni Nowakowski. [Gdansk: Wydzial Elektroniki, Telekomunikacji i Informatyki PGdan., 2003]. (2003), pp. 367-372.
- [1029] Sas, J., and Kurzynski, M. Application of statistic properties of letters succession in polish language to handprint recognition. In Computer recognition systems. Marek Kurzynski [i in.] (eds).Berlin [i in.]: Springer, cop. 2005.s. 731-738,1 tab., bibliogr. 9 poz., Advances in Soft Computing. 2005.
- [1030] SAS, J., AND KURZYNSKI, M. Application of three-level handprinted documents recognition in medical information systems. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 3745 (2005).
- [1031] SAS, J., AND KURZYNSKI, M. Multilevel recognition of structured handprinted documents probabilistic approach. In Computer recognition systems. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2005.s. 723-730,2 tab., bibliogr. 10 poz., Advances in Soft Computing. 2005.
- [1032] SAS, J., AND KURZYNSKI, M. Semi-automatic handwritten word segmentation based on character width approximation via maximum likelihood method and regression model. In Computer recognition systems 2. Marek Kurzynski [i in.] (eds).Berlin [i in.]: Springer, cop. 2007.s. 485-492,1 rys., 1 tab., bibliogr. 11 poz., vol. 45 of Advances in Soft Computing. 2007.
- [1033] SAS, J., AND ZOLNIEREK, A. Handwritten word recognition with combined classifier based on tri-grams. In Computer recognition systems 2. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2007.s. 477-484,3 tab., bibliogr. 9 poz., vol. 45 of Advances in Soft Computing. 2007.
- [1034] SAS, J., AND ZOLNIEREK, A. Comparison of feature reduction methods in the text recognition task. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5097 (2008).

- [1035] Sas, J., and Zolnierek, A. Application of rough sets in combined handwritten words classifier. In Computer recognition systems 3 / Marek Kurzynski, Michal Wozniak (eds.).Berlin; Heidelberg: Springer, cop. 2009.s. 509-518,1 tab., bibliogr. 10 poz., vol. nr 57 of Advances in Intelligent and Soft Computing. 2009.
- [1036] SAS, J., AND ZOLNIEREK, A. Distant co-occurrence language model for asr in loose word order languages. In Computer recognition systems 4 / Robert Burduk [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011.s. 767-778,3 tab., bibliogr. 13 poz., vol. nr 95 of Advances in Intelligent and Soft Computing. 2011.
- [1037] Sas, J., and Zolnierek, A. Pipelined language model construction for polish speech recognition. *International Journal of Applied Mathematics and Computer Science* 23, 3 (2013).
- [1038] SAS, J., AND ZOLNIEREK, A. Three-stage method of text region extraction from diagram raster images. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.). Cham [i in.]: Springer, cop. 2013., 9 (2013), Advances in Intelligent Systems and Computing, pp. 527-538.
- [1039] SCHAEFER, G., DOSHI, N., AND KRAWCZYK, B. Hep-2 cell classification using multidimensional local binary patterns and ensemble classification. In 2013 Second IAPR Asian Conference on Pattern Recognition, ACPR 2013, 5-8 November 2013, Naha, Okinawa, Japan.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2013., 3 (2013), pp. 951–955.
- [1040] SCHAEFER, G., KRAWCZYK, B., CELEBI, E. M., AND IYATOMI, H. Melanoma classification using dermoscopy imaging and ensemble learning. In 2013 Second IAPR Asian Conference on Pattern Recognition, ACPR 2013, 5-8 November 2013, Naha, Okinawa, Japan.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2013., 3 (2013), pp. 386–390.
- [1041] SCHAEFER, G., KRAWCZYK, B., CELEBI, E. M., AND IYATOMI, H. An ensemble classification approach for melanoma diagnosis. *Memetic Computing* 6, 4 (2014).
- [1042] SCHAEFER, G., KRAWCZYK, B., AND DOSHI, N. Improved lbp texture classification using ensemble learning. In 2013 IEEE International Conference on Multimedia and Expo (ICME 2013), San Jose, California, USA, from July 15 to 19, 2013. Piscataway, NJ: IEEE, cop. 2013., 4 (2013), pp. 1-6.
- [1043] SCHAEFER, G., KRAWCZYK, B., DOSHI, N., AND MERLA, A. Scleroderma capillary pattern identification using texture descriptors and ensemble classification. In 35th Annual International Conference of the IEEE EMBS, Osaka, Japan, 3-7 July 2013. [Piscataway, NJ]: IEEE, cop. 2013., 3 (2013), pp. 5473–5476.
- [1044] Schaefer, G., Krawczyk, B., Doshi, N., and Nakashima, T. Cost-sensitive texture classification. In 2014 World Congress on Computational Intelligence: 2014 IEEE Congress on Evolutionary Computation (CEC) [Dokument elektroniczny]: July 6-11, 2014, Beijing, China.Piscataway, NJ: IEEE, cop. 2014., 3 (2014), pp. 105–108.
- [1045] Simic, D., Jackowski, K., Jankowski, D., and Simic, S. Comparison of clustering methods in cotton textile industry. In *Intelligent data engineering and automated learning* - *IDEAL 2015 : 16th International Conference, Wroclaw, Poland, October 14-16, 2015 :* proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.] : Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 501–508.

- [1046] SIWEK, A., AND WALKOWIAK, K. Evolutionary algorithm for flow optimization in p2p systems. In Proceedings of the 4th International Conference on Broadband Communication, Information Technology & Biomedical Applications, BroadBandCom '09 [Dokument elektroniczny]: conference proceedings, 15th-18th, July, 2009, Wroclaw, Poland. Wroclaw: Oficyna Wydawnicza Politechniki Wroclawskiej, cop. 2009. (2009), pp. 1-6.
- [1047] Skowron, J., and Walkowiak, K. Heuristic algorithms for optimization of data distribution in p2p networks. In 2009 2nd International Symposium on Logistics and Industrial Informatics (LINDI), Linz, Austria, 10-11 September 2009 / [Witold Jacak i in. eds.]. Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 96-101.
- [1048] Skowron, J., and Walkowiak, K. Optimization of data distribution in peer-to-peer networks using tabu search algorithm. In 16th Polish Teletraffic Symposium, [Lodz, Poland, September 24-25, 2009]. Lodz: Technical University of Lodz, [2009]. (2009), pp. 125–128.
- [1049] Skworcow, P., and Pozniak-Koszalka, I. Zastosowanie technologii bluetooth jako alternatywy dla technologii x10 w rozwiazaniach typu smarthome. In Czlowiek cywilizacja przyszlosc. II Konferencja Naukowa Studentow. Referaty, Wroclaw, 17-19 maja 2004. T. 2. Wroclaw: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wroclawskiej. Prace Studentow Politechniki Wroclawskiej, pp. 373–378.
- [1050] Skworcow, P., Pozniak-Koszalka, I., and Haas, O. Bluetooth technology as an alternative for the x10 technology in smarthome solutions. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 147–154.
- [1051] SMUGA, P., AND RYBA, P. Comparison of fifo and red queuing disciplines optimized for multiservice network. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 115-120.
- [1052] SMUTNICKI, A. Branch-and-bound algorithm for multiple knapsack problem in the unrestorable flow optimisation problem. In Proceedings of the 23rd IAR Workshop on Advanced Control and Diagnosis 2008 [Dokument elektroniczny], Coventry, 27-28 November 2008 / eds Keith J. Burnham & Jens G. Linden; Control Theory and Applications Centre Coventry University.[B.m.: b.w., 2008]. (2008), pp. 228-233.
- [1053] SMUTNICKI, A. An algorithm for unrestored flow optimization in survivable networks based on p-cycles. Lecture Notes in Computer Science [Dokument elektroniczny] 5544 (2009).
- [1054] SMUTNICKI, A. Unrestored flow optimization in survivable networks based on p-cycles. Lecture Notes in Computer Science [Dokument elektroniczny] 5544 (2009).
- [1055] SMUTNICKI, A. Optymalizacja przeplywow kanalow dla ruchu anycast w sieciach przezywalnych z wykorzystaniem p-cykli. Tech. Rep. nr 1, 2010.
- [1056] SMUTNICKI, A. Algorytmy wyznaczania przepływow i przepustowości kanalow w sieciach komputerowych chronionych za pomoca p-cykli. PhD thesis, 2012.
- [1057] SMUTNICKI, A., AND WALKOWIAK, K. Modeling flow allocation problem in mpls network protected by p-cycles. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 35-42.

- [1058] SMUTNICKI, A., AND WALKOWIAK, K. Optimization of p-cycles for survivable anycasting streaming. In Proceedings of the 2009 7th International Workshop on the Design of Reliable Communication Networks [Dokument elektroniczny], Alexandria, Virginia, USA, October 25-28, 2009 / eds. Deep Medhi, John Doucette, David Tipper.Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 227–234.
- [1059] SMUTNICKI, A., AND WALKOWIAK, K. Optimal results for anycast-protecting p-cycles problem. In Proceedings of RNDM 2010 2nd International Workshop on Reliable Networks Design and Modeling co-located with 2010 International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT), October 19-20, 2010, Moscow, Russia / [eds Jacek Rak, David Tipper, Krzysztof Walkowiak]. Piscataway, NJ: IEEE, cop. 2010. (2010), pp. 48-54.
- [1060] Smutnicki, A., and Walkowiak, K. An algorithm for unrestorable flow optimisation problem using p-cycles protection scheme. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2011]. (2011), pp. 140–158.
- [1061] SMUTNICKI, A., AND WALKOWIAK, K. Joint working and spare capacity assignment for anycast streaming in survivable networks protected by p-cycles. In Proceedings of RNDM 2011: 3rd International Workshop on Reliable Networks Design and Modeling colocated with 3rd International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2011), October 5-7, 2011, Budapest, Hungary / [eds. Jacek Rak, Brigitte Jaumard, Roland Wessaly]. [Piscataway, NJ: IEEE, 2011]. (2011), pp. 164–169.
- [1062] SMUTNICKI, A., AND WALKOWIAK, K. p-cycle based multicast protection a new ilp formulation. In 2012 2nd Baltic Congress on Future Internet Communications, BCFIC [Dokument elektroniczny]: Vilnius, Lithuania, 25-27 April 2012 / Algimantas Kajackas [i in.] (eds.). Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 1-7.
- [1063] SMUTNICKI, A., AND WALKOWIAK, K. A new approach to optimization of p-cycle protected multicast optical networks. In Proceedings of RNDM 2013: 5th International Workshop on Reliable Networks Design and Modeling co-located with 5th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT 2013), September 10-12, 2013, Almaty, Kazakhstan / [eds. Jacek Rak, Hussein Mouftah, Wen-De Zhong.Piscataway, NJ]: IEEE, cop. 2013., 6 (2013), pp. 41-48.
- [1064] SMUTNICKI, A., AND WALKOWIAK, K. A heuristic approach to working and spare capacity optimization for survivable anycast streaming protected by p-cycles. *Telecommunication* Systems 56, 1 (2014).
- [1065] Sobolak, L., and Zmyslony, M. Innowacyjnosc stosowanej technologii w tworzeniu aplikacji w przedsiebiorstwie. In *Innowacyjne aspekty strategii przedsiebiorstwa globalnego w zintegrowanej Europie. Monografia. Red. nauk. Lidia Sobolak.Czestochowa: Sekcja Wydaw. Wydziału Zarzadzania PCzest., 2007.s. 317-322,2 rys., bibliogr. 4 poz. 2007.*
- [1066] SOBOLEWSKI, P. Concept selecting classifiers as a solution to recurring concept drift in streaming data. In Modelling and simulation of systems: proceedings of the 45th Spring International Conference, [April 19-21, 2011, Roznov p. R., Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2011. (2011), Acta MOSIS, pp. 24-31.
- [1067] Sobolewski, P. Simulated concept recurrence. Tech. Rep. nr 111, 2015.
- [1068] Sobolewski, P. Improving classification of data streams with the presence of concept drift by simulating concept recurrence. PhD thesis, 2016.

- [1069] SOBOLEWSKI, P., AND WOZNIAK, M. Artificial recurrence for classification of streaming data with concept shift. In Adaptive and intelligent systems: Second International Conference, ICAIS 2011, Klagenfurt, Austria, September 6-8, 2011: proceedings / Abdelhamid Bouchachia (ed.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 76–87.
- [1070] Sobolewski, P., and Wozniak, M. Data with shifting concept classification using simulated recurrence. In *Intelligent information and database systems: 4th Asian Conference, ACHDS 2012, Kaohsiung, Taiwan, March 19-21, 2012: proceedings. Pt. 1 / Jeng-Shyang Pan, Shyi-Ming Chen, Ngoc Thanh Nguyen (eds.).Heidelberg [i in.]: Springer, cop. 2012.* (2012), Lecture Notes in Computer Science., pp. 403–412.
- [1071] SOBOLEWSKI, P., AND WOZNIAK, M. Enhancing concept drift detection with simulated recurrence. In New trends in databases and information systems / Mykola Pechenizkiy and Marek Wojciechowski (eds.). Berlin; Heidelberg: Springer, cop. 2012.s. 153-162,2 rys., 1 tab., bibliogr. 13 poz., vol. vol. 185 of Advances in Intelligent Systems and Computing. 2012.
- [1072] SOBOLEWSKI, P., AND WOZNIAK, M. Comparable study of statistical tests for virtual concept drift detection. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.). Cham [i in.]: Springer, cop. 2013., 6 (2013), Advances in Intelligent Systems and Computing, pp. 329–337.
- [1073] SOBOLEWSKI, P., AND WOZNIAK, M. Concept drift detection and model selection with simulated recurrence and ensembles of statistical detectors. *Journal of Universal Computer* Science 19, 4 (2013).
- [1074] Sobolewski, P., and Wozniak, M. Ldcnet: minimizing the cost of supervision for various types of concept drift. In Proceedings of the 2013 IEEE Symposium Series on Computational Intelligence (SSCI) [Dokument elektroniczny]: 2013 IEEE Symposium on Computational Intelligence in Dynamic and Uncertain Environments (CIDUE), 16-19 April 2013, Singapore. Piscataway, NJ: IEEE, cop. 2013., 6 (2013), pp. 68-75.
- [1075] SOBOLEWSKI, P., AND WOZNIAK, M. Identifying features with concept drift in multidimensional data using statistical tests. In Artificial intelligence applications and innovations: 10th IFIP WG 12.5 International Conference, AIAI 2014, Rhodes, Greece, September 19-21, 2014 / Lazaros Iliadis, Ilias Maglogiannis, Harris Papadopoulos (eds.). Heidelberg [i in.]: Springer, cop. 2014., 6 (2014), IFIP Advances in Information and Communication Technology, pp. 405-413.
- [1076] Sobolewski, P., and Wozniak, M. Scr. simulated concept recurrence a non-supervised tool for dealing with shifting concept. Expert Systems [Dokument elektroniczny] 34, 5 (2017).
- [1077] SUMISLAWSKA, M., GARYCKI, M., KOSZALKA, L., BURNHAM, K. J., AND KASPRZAK, A. A. Efficiency of allocation algorithms in mesh oriented structures depending on probability distribution of the dimensions of incoming tasks. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 159-171.
- [1078] SUMISLAWSKA, M., GARYCKI, M., SZEWCZUK, M., AND TERESZKIEWICZ, A. Comparison of allocation algorithms in mesh oriented structures. In Człowiek cywilizacja przyszłosc: VI Konferencja Naukowa Studentow, Wrocław, 12-14 maja 2008: referaty. T. 1. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2008., Streszcz. (2008), Prace Studentow Politechniki Wrocławskiej, pp. 31-36.

- [1079] Sumislawska, M., Koszalka, L., and Pozniak-Koszalka, I. Performance of the pdsba allocation algorithm in mesh network. In Information systems architecture and technology: system analysis in decision aided problems / eds. Jerzy Swiatek [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2009.s. 369-378,6 rys., 1 tab., bibliogr. 6 poz., Biblioteka Informatyki Szkol Wyzszych. 2009.
- [1080] Sumislawska, M., Linden, J. G., and Pozniak-Koszalka, I. Performance of allocation algorithms in mesh oriented structure. In Proceedings of the 23rd IAR Workshop on Advanced Control and Diagnosis 2008 [Dokument elektroniczny], Coventry, 27-28 November 2008 / eds Keith J. Burnham & Jens G. Linden; Control Theory and Applications Centre Coventry University. [B.m.: b.w., 2008]. (2008), pp. 240-245.
- [1081] SUMISLAWSKA, M., REEVE, P. J., BURNHAM, K. J., POZNIAK-KOSZALKA, I., AND HEARNS, G. Computer control algorithm simulation and development with industrial application. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2011]. (2011), pp. 230–239.
- [1082] SWIERCZYNSKI, Z., AND ZAGANCZYK, A. Zastosowanie sieci neuronowych i algorytmow genetycznych w komputerowo wspomaganej diagnostyce egg. In Biocybernetyka i inzynieria biomedyczna. XIII Krajowa konferencja naukowa, Gdansk, 10-13 wrzesien 2003. T. 1. Biosystemy / Red. Antoni Nowakowski. [Gdansk: Wydzial Elektroniki, Telekomunikacji i Informatyki PGdan., 2003]. (2003), pp. 231-236.
- [1083] SYDOR, P., SKWORCOW, P., HAAS, O., BURNHAM, K. J., MILLS, J., AND KOSZALKA, L. Condition monitoring and model based control of radiotherapy patient support system. In Eighteenth International Conference on Systems Engineering. ICSE '2006. Proceedings, Coventry, UK, 5-7 September 2006 / Eds K. J. Burnham and O. C. L. Haas. Coventry: Coventry University, cop. 2006. (2006), pp. 477–480.
- [1084] SZALBIERZ, Z., KURZYNSKI, M., OKO, J., TRZASKA, R., WALKOWIAK, K., WEGLARZ, M., AND WOZNIAK, M. Strategia rozwoju społeczenstwa informacyjnego na dolnym slasku do roku 202. Tech. Rep. nr 37, 2012.
- [1085] SZCZUREK, A., KRAWCZYK, B., AND MACIEJEWSKA, M. Vocs classification based on the committee of classifiers coupled with single sensor signals. *Chemometrics and Intelligent Laboratory Systems* 125 (2013).
- [1086] SZOSTAK, M. Algorytmy rownoczesnej optymalizacji przepustowości kanalow oraz przeplywow typu multicast w nakladkowych sieciach komputerowych. PhD thesis, 2014.
- [1087] SZOSTAK, M., AND WALKOWIAK, K. Modeling of dimensioning problems in p2p multicasting overlay networks. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan.Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 27-32.
- [1088] SZOSTAK, M., AND WALKOWIAK, K. Network design problem for overlay multicast with limited tree delay - model and optimal results. In Fifth International Conference on Broadband and Biomedical Communications, IB2Com 2010 [Dokument elektroniczny], Malaga, Spain, 15-17 December 2010.[Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 1– 4.
- [1089] SZOSTAK, M., AND WALKOWIAK, K. Maximizing streaming rate for overlay multicast with budget constraint - model and optimal results. In Proceedings of the First European Teletraffic Seminar, [ETS 2011]: an initiative to strengthen collaboration on Network Design and Performance, February 14-16, 2011, Poznan, Poland / eds. Grzegorz Danilewicz [i in.].Poznan: JASART STUDIO Agnieszka Chwalisz, [2011]. (2011), pp. 163-167.

- [1090] SZOSTAK, M., AND WALKOWIAK, K. Two approaches to network design problem for overlay multicast with limited tree delay - model and optimal results. *International Journal of Electronics and Telecommunications* 57, 3 (2011).
- [1091] SZOSTAK, M., AND WALKOWIAK, K. Heuristic algorithm for maximizing streaming rate in overlay multicast with budget constraint. In Proceedings of 2012 15th International Telecommunications Network Strategy and Planning Symposium (NETWORKS) [Dokument elektroniczny]: October 15-18, 2012, Rome, Italy / [eds. Francesco Matera i in.].Piscataway, NJ: IEEE, cop. 2012. (2012), pp. 1-6.
- [1092] SZOSTAK, M., AND WALKOWIAK, K. Incremental approach to overlay network design problems. In 17th Polish Teletraffic Symposium 2012, [Zakopane, 6-7 December 2012] / eds. Tadeusz Czachorski, Mateusz Nowak. [Gliwice]: IITiS PAN: Pracownia Komputerowa Jacka Skalmierskiego, [2012]., bibliogr 18 poz. (2012), pp. 105–110.
- [1093] SZOSTAK, M., AND WALKOWIAK, K. Heuristic approach to network upgrade for overlay multicast. Przeglad Telekomunikacyjny, Wiadomosci Telekomunikacyjne, 8/9 (2013).
- [1094] SZOSTAK, M., AND WALKOWIAK, K. Minimizing cost of network upgrade for overlay multicast heuristic approach. *Journal of Telecommunications and Information Technology*, 3 (2013).
- [1095] SZTAJER, S., AND WOZNIAK, M. Untrained multiple classifier system for designing security scanner for web applications. In 2010 Fifth International Conference on Information and Automation for Sustainability, ICIAfS [Dokument elektroniczny]: sustainable development trough effective man-machine co-existence, 17-19 December 2010, Colombo, Sri Lanka.[Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 365-369.
- [1096] SZYMANOWSKI, M., KLINK, J., OKO, J., WALKOWIAK, K., WOZNIAK, M., AND ZIELINSKI, R. Opracowanie koncepcji modernizacji systemu telefonii w spolkach grupy pzu, stowarzyszonej z koncepcja modernizacji sieci rozleglej w grupie pzu oraz przygotowanie specyfikacji istotnych warunkow zamowienia (siwz). Tech. Rep. nr 4, 2006.
- [1097] SZYNGLAREWICZ, B., MATKOWSKI, R., KASPRZAK, P., FORGACZ, J., ZOLNIEREK, A., HALON, A., AND KORNAFEL, J. Pain experienced by patients during minimal-invasive ultrasound-guided breast biopsy. *European Journal of Surgical Oncology* 37, 5 (2011).
- [1098] TARNAWSKI, M., AND TARASIEWICZ, A. Dynamiczna alokacja zadan w sieciach mesh. In Człowiek - cywilizacja - przyszłosc : VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009 : referaty. T. 2. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 73–78.
- [1099] Tarnawski, W. Szybka i efektywna segmentacja obrazow kolorowych w oparciu o klasteryzacje zmodyfikowanej przestrzeni barw hsi. In Techniki przetwarzania obrazu. IV Sympozjum naukowe. Materiały konferencyjne, Serock, [21-23] listopad 2002. [Warszawa: Oficyna Wydaw. PWarsz., 2002]. (2002), pp. 244–257.
- [1100] TARNAWSKI, W. Colour image segmentation algorithm in vectoral approach for automated optical inspection in electronics. Opto-Electronics Review 11, 3 (2003).
- [1101] TARNAWSKI, W. Robust clustering algorithm for color image segmentation based on fuzzy spatial and color space analysis. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak.Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 251–258.
- [1102] TARNAWSKI, W. Metody analizy skupien w zadaniu segmentacji obrazow kolorowych. PhD thesis, 2004.

- [1103] Tarnawski, W. Image segmentation based on graph resulting from color space clustering with multi-field density estimation. In Computer vision and graphics. K. Wojciechowski [i in.] (eds). Dordrecht: Springer, cop. 2006.s. 787-793,1 rys., bibliogr. 8 poz., vol. vol. 32 of Computational Imaging and Vision. 2006.
- [1104] Tarnawski, W. Multi-field density estimation: a robust approach for color space clustering in image segmentation. In Computer vision and graphics. K. Wojciechowski [i in.] (eds).Dordrecht: Springer, cop. 2006.s. 794-799,2 rys., bibliogr. 7 poz., vol. vol. 32 of Computational Imaging and Vision. 2006.
- [1105] TARNAWSKI, W., AND CICHOSZ, J. Fuzzy rule-based system for the diagnosis of laryngeal pathology based on contact endoscopy images. In *Information technologies in biomedicine* / Ewa Pietka, Jacek Kawa (eds).Berlin: Springer, cop. 2008.s. 217-224,1 rys., bibliogr. 9 poz., vol. 47 of Advances in Soft Computing. 2008.
- [1106] TARNAWSKI, W., AND CICHOSZ, J. Image analysis system for quantitative and qualitative analysis of contact endoscopy images of the larynx. In SYMBIOSIS 2008: IX International Conference: proceedings, Kamien Slaski, Poland, 11-13 June 2008. [Brno: Vysoke uceni technicke, 2008]. (2008), pp. 4-6.
- [1107] TARNAWSKI, W., AND CICHOSZ, J. Image understanding methods applied to the computeraided diagnosis of laryngeal pathology. *Polish Journal of Environmental Studies. 2008*, 16 17, 2B (2008).
- [1108] TARNAWSKI, W., FRACZEK, M., JELEN, M., KRECICKI, T., AND ZALESSKA-KRECICKA, M. The role of computer-assisted analysis in the evaluation of nuclear characteristics for the diagnosis of precancerous and cancerous lesions by contact laryngoscopy. Advances in Medical Sciences 53, 2 (2008).
- [1109] TARNAWSKI, W., FRACZEK, M., KRECICKI, T., AND JELEN, M. Fuzzy rule-based classification system for computer-aided diagnosis in contact endoscopy imaging. In The Fifth International Conference on Soft Computing as Transdisciplinary Science and Technology, [CSTST '2008]: proceedings, Cergy-Pontoise, France, October 28th October 31st 2008 / eds Richard Chbeir [i in.].[New York]: ACM, cop. 2008. (2008), pp. 457-463.
- [1110] TARNAWSKI, W., KURTCUOGLU, V., LOREK, P., BODYCH, M., ROTTER, J., MUSZKIETA, M., PIWOWAR, L., POULIKAKOS, D., MAJKOWSKI, M., AND FERRARI, A. A robust algorithm for segmenting and tracking clustered cells in time-lapse fluorescent microscopy. IEEE Journal of Biomedical and Health Informatics 17, 4 (2013).
- [1111] TARNAWSKI, W., AND KURZYNSKI, M. An improved diffusion driven watershed algorithm for image segmentation of cells. *Journal of Medical Informatics & Technologies 11* (2007).
- [1112] Tarnawski, W., Schaefer, G., Nakashima, T., and Miroslaw, L. Fuzzy rule-based classification systems in medical image understanding. In *Proceedings of the 2009 International Conference on Image Processing, Computer Vision & Pattern Recognition, IPCV 2009, July 13-16, 2009, Las Vegas, Nevada, USA. Vol. 2 / eds Hamid R. Arabnia, Gerald Schaefer.[Las Vegas] : CSREA Press, cop. 2009. (2009), pp. 859–863.*
- [1113] TARNAWSKI, W., SCHAEFER, G., NAKASHIMA, T., AND MIROSLAW, L. Applications of fuzzy rule-based systems in medical image understanding. In Rough fuzzy image analysis : foundations and methodologies / ed. by Sankar K. Pal, James F. Peters.Boca Raton : CRC Press, cop. 2010.s. 1-30,10 rys., 6 tab., bibliogr. 46 poz. 2010.
- [1114] Thampi, S. M., Krishnan, S., Rodriguez, J. M. C., Das, S., Wozniak, M., and Al-Jumeily, D., Eds. Advances in Signal Processing and Intelligent Recognition Systems: Proceedings of Third International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS-2017), September 13-16, 2017, Manipal, India (2018), Advances in Intelligent Systems and Computing, Springer, Cham [i in.].

- [1115] TOKARSKI, B., AND KOSZALKA, L. Simulation based performance analysis of ethernet mpi cluster. In The Eighth International Conference on Networks, (ICN 2009) [Dokument elektroniczny], Gosier, Guadeloupe/France, 1-6 March 2009 / eds Robert Bestak [i in.Los Alamitos i in.]: IEEE Computer Society [Press], cop. 2009. (2009), pp. 1-5.
- [1116] TOKARSKI, B., KOSZALKA, L., AND SKWORCOW, P. Simulation based performance analysis of ethernet mpi cluster. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 172–181.
- [1117] Tomaszewski, J., Amaral, T. G., Dias, O. P., Wolczowski, A., and Kurzynski, M. Emg signal classification using neural network with ar model coefficients. In 14th International Conference on Methods and Models in Automation and Robotics, [MMAR 2009, Dokument elektroniczny]: Miedzyzdroje, Poland, August 19-21, 2009 / ed. Roman Kaszynski, Krzysztof Pietrusewicz.[Oxford: Elsevier 2010]. (2010), IFAC Proceedings Volumes, pp. 1-7.
- [1118] TOPOLSKA, K., AND TOPOLSKI, M. Model dempstera-shafera do oceny trwalosci obiektu mechanicznego w warunkach laboratoryjnych. *Journal of KONES* 12, 3/4 (2005).
- [1119] TOPOLSKA, K., AND TOPOLSKI, M. Struktura organizacyjna i system informatyczny w lancuchu logistycznym sektora motoryzacyjnego. Logistyka i Transport, 2 (2006).
- [1120] TOPOLSKA, K., AND TOPOLSKI, M. System logistyczny przedsiebiorstwa i jego struktura przestrzenna. Logistyka i Transport, 2 (2006).
- [1121] TOPOLSKA, K., WALKOWIAK, W. W., AND TOPOLSKI, M. Metody oceny trwalosci powloki ceramicznej w warunkach laboratoryjnych. *Journal of KONES* 13, 4 (2006).
- [1122] TOPOLSKA, K., WALKOWIAK, W. W., AND TOPOLSKI, M. Modelowanie trwalosci elementu mechanicznego z wykorzystaniem teorii dempstera-shafera. *Journal of KONES 13*, 4 (2006).
- [1123] Topolska, K., Walkowiak, W. W., and Topolski, M. Metoda analizy spojnosci wynikow pomiarow z wykorzystaniem teorii ewidencji matematycznej i analizy skupien. *Journal of KONES 14*, 2 (2007).
- [1124] TOPOLSKI, M. Rola rozmytych systemow wspomagania decyzji w diagnostyce uszkodzen podzespolow silnika spalinowego. *Journal of KONES* 12, 3/4 (2005).
- [1125] TOPOLSKI, M. Rozmyto-dempsterowski dynamiczny system gps do analizy natezenia miejskiego transportu drogowego. In Czlowiek - cywilizacja - przyszłosc. III Konferencja Naukowa Studentow. Referaty, Wrocław, 23-25 maja 2005. T. 1. Wrocław: Oficyna Wydaw. PWroc., 2005., Summ. (2005), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 57-63.
- [1126] TOPOLSKI, M. Rozmyto-probabilistyczny system sekwencyjny, do sterowania zaplonem iskrowym w silniku spalinowym. Journal of KONES 12, 3/4 (2005).
- [1127] TOPOLSKI, M. Dynamiczna kontrola trwalości rozrusznika serca. In Niekonwencjonalne metody oceny trwalości i niezawodności. XXXIV Zimowa Szkola Niezawodności, Szczyrk, [8-14 stycznia] 2006.Radom: Wydaw. Instytutu Technologii Eksploatacji, [2006]. (2006), pp. 342–351.
- [1128] Topolski, M. Model optymalizacji niezawodnosci decyzji o stanie zdrowia pacjenta. In Niekonwencjonalne metody oceny trwalosci i niezawodnosci. XXXIV Zimowa Szkola Niezawodnosci, Szczyrk, [8-14 stycznia] 2006.Radom: Wydaw. Instytutu Technologii Eksploatacji, [2006]. (2006), pp. 352–360.

- [1129] TOPOLSKI, M. Rola logiki rozmytej i teorii ewidencji matematycznej w systemach logistycznych. Logistyka i Transport, 1 (2006).
- [1130] TOPOLSKI, M. Rozmyte sterowanie sygnalizacja swietlna w newralgicznych punktach miejskich. Logistyka i Transport, 1 (2006).
- [1131] TOPOLSKI, M. Komputerowe algorytmy rozpoznawania sekwencyjnego z modelem laczacym teorie ewidencji matematycznej z teoria zbiorow rozmytych. PhD thesis, 2007.
- [1132] Tornatore, M., Andre, J., Babarczi, P., Braun, T., Folstad, E., Heegaard, P., Hmaity, A., Furdek, M., Jorge, L., Kmiecik, W. H., Machuca, C. M., Martins, L., Medeiros, C., Musumeci, F., Pasic, A., Rak, J., Simpson, S., Travanca, R., and Voyiatzis, A. A survey on network resiliency methodologies against weather-based disruptions. In *Proceedings of 2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), September 13-15, 2016, Halmstad, Sweden / Magnus Jonsson, Jacek Rak, Arun Somani, Dimitri Papadimitriou, Alexey Vinel (eds.).Danvers, MA: IEEE, cop. 2016., 9 (2016), pp. 23-34.*
- [1133] TORNATORE, M., ROTTONDI, C., GOSCIEN, R. J., WALKOWIAK, K., RIZZELLI, G., AND MOREA, A. On the complexity of routing and spectrum assignment in flexible-grid ring networks [invited]. *Journal of Optical Communications and Networking* 7, 2 (2015).
- [1134] Trajdos, P. S. Algorytm generalizacji zbioru kompetencji z wykorzystaniem regresji multi-target oraz badania eksperymentalne w zastosowaniu do rozpoznawania ruchow chwytnych bioprotezy. Tech. Rep. nr 22, 2015.
- [1135] Trajdos, P. S. Application of ensemble systems in multi-label classification. Tech. Rep. nr 11, 2018.
- [1136] TRAJDOS, P. S., KAMIZELICH, A., AND KURZYNSKI, M. Three-step framework of feature selection for data of dna microarray experiments. In *Information technologies in biomedicine*. Vol. 3 / Ewa Pietka, Jacek Kawa, Wojciech Wieclawek (eds.).Cham [i in.]: Springer, cop. 2014.s. 409-420,3 rys., 4 tab., bibliogr. 30 poz.0,8, vol. vol. 283 of Advances in Intelligent Systems and Computing. 2014.
- [1137] TRAJDOS, P. S., AND KRYSMANN, M. Construction of feature filter ensemble using randomized reference filter. In 12th Students' Science Conference [Dokument elektroniczny], Boguszow-Gorce, 18-21 September 2014. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2014., 4 (2014), Prace Studentow Politechniki Wrocławskiej., pp. 349-354.
- [1138] Trajdos, P. S., and Kurzynski, M. An extension of multi-label binary relevance models based on randomized reference classifier and local fuzzy confusion matrix. In Intelligent data engineering and automated learning - IDEAL 2015: 16th International Conference, Wroclaw, Poland, October 14-16, 2015: proceedings / Konrad Jackowski [i in.] (eds). Cham [i in.]: Springer, cop. 2015., 6 (2015), Lecture Notes in Computer Science, pp. 69-76.
- [1139] Trajdos, P. S., and Kurzynski, M. Multi-label stream classification using extended binary relevance model. In *BigDataSe 2015 [Dokument elektroniczny]: the 9th IEEE International Conference on Big Data Science and Engineering, 20-22 August 2015, Helsinki, Finland.Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2015., 5 (2015)*, pp. 205–210.
- [1140] TRAJDOS, P. S., AND KURZYNSKI, M. A dynamic model of classifier competence based on the local fuzzy confusion matrix and the random reference classifier. *International Journal* of Applied Mathematics and Computer Science 26, 1 (2016).

- [1141] Trajdos, P. S., and Kurzynski, M. An approximated decision-theoretic algorithm for minimization of the tversky loss under the multi-label framework. *Pattern Analysis and Applications* (2017).
- [1142] Trajdos, P. S., and Kurzynski, M. Naive bayes classifier for dynamic chaining approach in multi-label learning. *International Journal of Education and Learning Systems* 2 (2017).
- [1143] TRAJDOS, P. S., AND KURZYNSKI, M. A correction method of a binary classifier applied to multi-label pairwise models. *International Journal of Neural Systems* (2018).
- [1144] TRAJDOS, P. S., AND KURZYNSKI, M. Permutation-based diversity measure for classifier-chain approach. In Proceedings of the 10th International Conference on Computer Recognition Systems, CORES 2017 / Marek Kurzynski, Michal Wozniak, Robert Burduk (Eds.).[Cham]: Springer, cop. 2018., 8 (2018), Advances in Intelligent Systems and Computing, pp. 412–422.
- [1145] TRAJDOS, P. S., AND KURZYNSKI, M. Weighting scheme for a pairwise multi-label classifier based on the fuzzy confusion matrix. Pattern Recognition Letters 103 (2018).
- [1146] TROLLOPE, J. E., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND BURNHAM, K. J. A fuzzy logic approach for vehicle collision energy distribution. In 2014 UKACC International Conference on Control (CONTROL), 9th-11th July 2014, Loughborough, U.K.: proceedings. Danvers, MA: IEEE, cop. 2014., 5 (2014), pp. 313-318.
- [1147] Trzeciak, S., and Kozik, A. Nowa metoda eliminacji rozwiazan niedopuszczalnych w problemach pakowania blokow - opracowanie i ewaluacja. Tech. Rep. nr 3, 2010.
- [1148] VILLAR, P., KRAWCZYK, B., SANCHEZ, A. M., MONTES, R., AND HERRERA, F. Designing a compact genetic fuzzy rule-based system for one-class classification. In 2014 World Congress on Computational Intelligence: 2014 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) [Dokument elektroniczny]: July 6-11, 2014, Beijing, China. Piscataway, NJ: IEEE, cop. 2014., 6 (2014), pp. 2163-2170.
- [1149] Walkowiak, K. The branch and bound algorithm for a backup virtual path assignment in survivable atm networks. *International Journal of Applied Mathematics and Computer Science* 12, 2 (2002).
- [1150] Walkowiak, K. Modeling of web server replication system in mpls networks. In Information systems modelling. Proceedings of the conference, [Roznov pod Radhostem, Czech Republic, April 22-24, 2002] / Ed. Petr Hanacek. Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 213–220.
- [1151] WALKOWIAK, K. A new exact algorithm for web replica location problem in mpls networks. In Proceedings of the 2nd Polish-German Teletraffic Symposium PGTS 2002 jointly held with the 9th Teletraffic Symposium, Gdansk, September 23-24, 2002 / Eds Paul J. Kuhn [i in.]. Gdansk: Faculty of Electronics, Telecommunications and Informatics Gdansk University of Technology, cop. 2002. (2002), pp. 307-314.
- [1152] Walkowiak, K. Niezawodnosc w sieciach komputerowych zorientowanych polaczeniowo. Telekomunikacja Cyfrowa. 2001/2002, (2002).
- [1153] Walkowiak, K. Some approaches to solve a web replica location problem in mpls networks. In Internet technologies, applications and societal impact. IFIP TC6/WG6. 4 Workshop on Internet Technologies, Applications and Societal Impact (WITASI 2002), Wroclaw, October 10-11, 2002 / Ed. by Wojciech Cellary, Arun Iyengar. Boston [i in.]: Kluwer Academic Publ., cop. 2002. (2002), pp. 61-72.

- [1154] Walkowiak, K. Zastosowanie inteligentnych technik obliczeniowych dla wyznaczania polaczen w sieciach komputerowych zorientowanych polaczeniowo. In Krajowe Sympozjum Telekomunikacji '2002, Bydgoszcz, 11-13 wrzesnia 2002. [T.] B.[Warszawa]: Instytut Telekomunikacji PWarsz., [2002]. (2002), pp. 393–401.
- [1155] Walkowiak, K. Ant algorithms for solution of graph related optimization problems. Journal of Applied Computer Science 11, 2 (2003).
- [1156] Walkowiak, K. The branch and bound algorithm for joint optimization of primary and backup routes in survivable networks. Archiwum Informatyki Teoretycznej i Stosowanej. 2003, (2003).
- [1157] Walkowiak, K. A branch and bound algorithm for the clients to replica assignment problem in mpls networks. In Proceedings of the 10th Polish Teletraffic Symposium, Cracow, 18-19 September 2003 / Eds Andrzej R. Pach, Krzysztof Wajda. [Krakow: Wydaw. Wydziału Elektrotechniki, Automatyki, Informatyki i Elektroniki AGH, 2003]. (2003), pp. 107–120.
- [1158] Walkowiak, K. Heuristic algorithms for assignment of non-bifurcated multicommodity flows. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava : MARQ, 2003. (2003), Acta MOSIS, pp. 243-248.
- [1159] Walkowiak, K. A new approach to survivability of connection oriented networks. In Computational science - ICCS 2003. International conference. Proceedings, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Pt. 1 / Peter M. A. Sloot [i in.] (eds).Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 501-510.
- [1160] Walkowiak, K. On application of genetic algorithms to replica location problem. In Computer recognition systems. [3rd Conference on Computer Recognition Systems KOSYR 2003], [Milkow, 26th 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wrocław: Chair of Systems and Computer Networks. Wrocław University of Technology, 2003. (2003), pp. 445–450.
- [1161] Walkowiak, K. Simulation of dynamic routing in survivable computer networks. In Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 237-244.
- [1162] Walkowiak, K. A unified approach to network survivability. In Proceedings of the 10th Polish Teletraffic Symposium, Cracow, 18-19 September 2003 / Eds Andrzej R. Pach, Krzysztof Wajda. [Krakow: Wydaw. Wydziału Elektrotechniki, Automatyki, Informatyki i Elektroniki AGH, 2003]. (2003), pp. 391–409.
- [1163] Walkowiak, K. Analysis of a new function for local restoration of survivable connectionoriented networks. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 80–85.
- [1164] Walkowiak, K. A branch and bound algorithm for primary routes assignment in survivable connection oriented networks. Computational Optimization and Applications 27, 2 (2004).
- [1165] Walkowiak, K. An exact algorithm for design of content delivery networks in mpls environment. Journal of Telecommunications and Information Technology, 2004. [(2004).

- [1166] Walkowiak, K. The hop-limit approach for optimization of average delay in computer networks. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 229-236.
- [1167] Walkowiak, K. A new method of primary routes selection for local restoration. In Networking 2004. Networking technologies, services, and protocols; performance of computer and communication networks; mobile and wireless communications. Third International IFIP-TC6 Networking Conference. Proceedings, Athens, May 9-14, 2004 / Nikolas Mitrou [i in.] (eds).Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 1024–1035.
- [1168] WALKOWIAK, K. On application of ant algorithms to non-bifurcated multicommodity flow problem. In Artificial intelligence and soft computing - ICAISC 2004. 7th International conference. Proceedings, Zakopane, June 7-11, 2004 / Leszek Rutkowski [i in.] (eds). Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science. Lecture Notes in Computer Science, pp. 922–927.
- [1169] Walkowiak, K. Survivable online routing for mpls traffic engineering. In Quality of service in the emerging networking panorama. Fifth International Workshop on Quality of Future Internet Services, QofIS 2004 and First Workshop on Quality of Service Routing, WQoSR 2004 and Fourth International Workshop on Internet Charging and QoS Technology, ICQT 2004. Proceedings, Barcelona, September 29 October 1, 2004 / Josep Sole-Pareta [i in.] (eds).Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 288–297.
- [1170] WALKOWIAK, K. Ant algorithm for flow assignment in connection-oriented networks. International Journal of Applied Mathematics and Computer Science 15, 2 (2005).
- [1171] WALKOWIAK, K. Heuristic algorithm for anycast flow assignment in connection-oriented networks. Lecture Notes in Computer Science 3516 (2005).
- [1172] Walkowiak, K. An heuristic algorithm for non-bifurcated congestion problem. In Scientific computation, applied mathematics and simulation. 17th IMACS World Congress [Dokument elektroniczny], Paris, July 11-15, 2005.Lille: Ecole Centralle de Lille, [2005.7] s. (2005).
- [1173] Walkowiak, K. The hop-limit approach for flow assignment in survivable connectionoriented networks. In *New trends in computer networks, Istanbul, October 26-28, 2005* / Eds T. Tugcu [i in.]London: Imperial College Press, cop. 2005. (2005), Advances in Computer Science and Engineering: Reports, pp. 30–39.
- [1174] Walkowiak, K. Maximizing residual capacity for anycast flows in connection oriented networks. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava : MARQ, 2005. (2005), Acta MOSIS, pp. 41-48.
- [1175] Walkowiak, K. New approaches to gos dynamic routing in content delivery network. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 173–178.
- [1176] WALKOWIAK, K. Qos dynamic routing in content delivery networks. Lecture Notes in Computer Science 3462 (2005).
- [1177] Walkowiak, K. A unified approach to survivability of connection-oriented networks. Lecture Notes in Computer Science 3733 (2005).

- [1178] Walkowiak, K. Adjacent 2-route flow approach for restorable dynamic routing in mpls networks. In 11th IEEE Symposium on Computers and Communications. ISCC 2006. Proceedings, Cagliari, Italy, 26-29 June 2006 / Ed. by P. Bellavista [i in.].Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2006. (2006), pp. 878–883.
- [1179] Walkowiak, K. Analysis of cut inequalities for optimization of non-bifurcated multicommodity flows in survivable networks. In Proceedings of the 4th Polish-German Teletraffic Symposium PGTS 2006, Wroclaw, September 21-22, 2006 / Ed. A. Grzech. Wroclaw: Oficyna Wydaw. PWroc., 2006. (2006), pp. 31-40.
- [1180] Walkowiak, K. Branch-and-cut algorithm for optimization of non-bifurcated multicommodity flows in survivable networks. Systems Science 32, 3 (2006).
- [1181] Walkowiak, K. Dynamic routing and traffic engineering in survivable mpls networks. In 2006 Workshop on High Performance Switching and Routing. HPSR 2006, Poznan, June, 7-9, 2006. Piscataway, NJ: IEEE, cop. 2006. (2006), pp. 323-328.
- [1182] WALKOWIAK, K. Lagrangean heuristic for anycast flow assignment in connection-oriented networks. Lecture Notes in Computer Science 3991 (2006).
- [1183] Walkowiak, K. Lagrangean heuristic for optimization of working routes in survivable mpls networks. Tech. Rep. nr 2, 2006.
- [1184] Walkowiak, K. Lagrangean heuristic for primary routes assignment in survivable connection-oriented networks. Tech. Rep. nr 1, 2006.
- [1185] Walkowiak, K. Lower bounds of residual capacity reciprocal with lff scaling factor-simulation comparison. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 213-218.
- [1186] Walkowiak, K. Maximizing residual capacity in connection-oriented networks. *Journal of Applied Mathematics & Decision Sciences [Dokument elektroniczny].2006*, 2006 (2006).
- [1187] WALKOWIAK, K. New algorithms for the unsplittable flow problem. Lecture Notes in Computer Science 3981 (2006).
- [1188] Walkowiak, K. A new function for optimization of working paths in survivable mpls networks. Lecture Notes in Computer Science 4263 (2006).
- [1189] Walkowiak, K. Unsplittable anycast flow problem: formulation and algorithms. Lecture Notes in Computer Science 3991 (2006).
- [1190] Walkowiak, K. Algorytmy wyznaczania przepływow typu unicast i anycast w przezywalnych sieciach zorientowanych polaczeniowo. Oficyna Wydaw. PWroc., Wroclaw, 2007.
- [1191] Walkowiak, K. Anycast communication a new approach to survivability of connectionoriented networks. In Computer network security / Vladimir Gorodetsky, Igor Kotenko, Victor A. Skormin (eds.).Berlin [i in.]: Springer, cop. 2007.s. 378-389,7 rys., 1 tab., bibliogr. 20 poz., vol. vol. 1 of Communications in Computer and Information Science. 2007.
- [1192] WALKOWIAK, K. Branch-and-bound algorithm for anycast flow assignment in connectionoriented networks. Lecture Notes in Computer Science 4707 (2007).
- [1193] Walkowiak, K. A branch-and-cut algorithm for design of mpls content delivery networks. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 175–182.

- [1194] Walkowiak, K. Modelling of mpls over wdm anycast and unicast allocation problem. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 45-50.
- [1195] Walkowiak, K. Survivable routing of unicast and anycast flows in mpls networks. In Design and engineering for heterogeneity. 2007 Next Generation Internet Networks. 3rd EuroNGI Conference on Next Generation Internet Networks. NGI 2007, Trondheim, Norway, 21-23 May 2007. Piscataway, NJ: IEEE, cop. 2007. (2007), pp. 72-79.
- [1196] WALKOWIAK, K. A flow deviation algorithm for joint optimization of unicast and anycast flows in connection-oriented networks. Lecture Notes in Computer Science 5073 (2008).
- [1197] WALKOWIAK, K. Lagrangean heuristic for primary routes assignment in survivable connection-oriented networks. Computational Optimization and Applications 40, 2 (2008).
- [1198] Walkowiak, K. Offline approach to modeling and optimization of flows in peer-to-peer systems. In New technologies, mobility and security [Dokument elektroniczny]: proceedings of NTMS '2008 Conference and Workshops, Tangier, Morocco, November 5-7, 2008 / eds Akshai Aggarwal, Mohamad Badra, Fabio Massacci[B.m.]: ESRGroups, cop. 2008. (2008), pp. 352–356.
- [1199] Walkowiak, K. On transfer costs in peer-to-peer systems. In Proceedings of the 5th Polish-German Teletraffic Symposium, PGTS '08, Berlin, Germany, October 6-7, 2008 / eds Anja Feldman [i in.].Berlin: Logos Verlag, cop. 2008. (2008), pp. 217–226.
- [1200] Walkowiak, K. Network design problem for p2p multicasting. In INOC 2009: International Network Optimization Conference [Dokument elektroniczny], Pisa, Italy, April 26-29, 2009 / [Dipartimento di Informatica Universita di Pisa.B.m.: b.w., 2009]. (2009), pp. 1-6.
- [1201] Walkowiak, K. Survivability of p2p multicasting. In Proceedings of the 2009 7th International Workshop on the Design of Reliable Communication Networks [Dokument elektroniczny], Alexandria, Virginia, USA, October 25-28, 2009 / eds Deep Medhi, John Doucette, David Tipper.Piscataway, NJ: IEEE, cop. 2009. (2009), pp. 92-99.
- [1202] Walkowiak, K. Anycasting in connection-oriented computer networks. International Journal of Applied Mathematics and Computer Science 20, 1 (2010).
- [1203] Walkowiak, K. Dimensioning of overlay networks for p2p multicasting. In Proceedings of the 2010 IEEE/IFIP Network Operations and Management Symposium [Dokument elektroniczny], 19-23 April 2010, Osaka, Japan / eds. Yoshiaki Kiriha [i in.].Piscataway, NJ: IEEE, cop. 2010. (2010), pp. 805–808.
- [1204] WALKOWIAK, K. A lagrangean relaxation algorithm for flow optimization in survivable mpls networks. Theoretical and Applied Informatics 22, 1 (2010).
- [1205] Walkowiak, K. P2p multicasting network design problem heuristic approach. In *IEEE Globecom 2010 [Dokument elektroniczny] : global communications conference : exhibition & industry forum : workshops, 6-10 December, Miami, Florida, USA.[Piscataway, NJ] : IEEE, cop. 2010.* (2010), pp. 1553–1557.
- [1206] Walkowiak, K. Modeling and optimization of computer networks. Wroclaw University of Technology; Wroclaw:, 2011.
- [1207] WALKOWIAK, K. [recenzja]. IEEE Communications Magazine.2012,vol. 50, nr 2, s. 58, 2012.

- [1208] Walkowiak, K. Heuristic algorithm for optimization of anycast and unicast traffic in elastic optical networks with modulation format selection. Tech. Rep. nr 10, 2014.
- [1209] WALKOWIAK, K. Generalization of optimization problems in elastic optical networks. Tech. Rep. nr 18, 2016.
- [1210] WALKOWIAK, K. Modeling and optimization of cloud-ready and content-oriented networks. Studies in Systems, Decision and Control. Springer, Cham [i in.], 2016.
- [1211] WALKOWIAK, K., AND AIBIN, M. Elastical optical networks a new approach for effective provisioning of cloud computing and content-oriented services. *Przeglad Telekomunika*cyjny, Wiadomosci Telekomunikacyjne, 8/9 (2015).
- [1212] WALKOWIAK, K., BULIRA, D., AND CAREGLIO, D. Ilp modeling of many-to-many transmissions in computer networks. In 17th Polish Teletraffic Symposium 2012, [Zakopane, 6-7 December 2012] / eds. Tadeusz Czachorski, Mateusz Nowak. [Gliwice]: IITiS PAN: Pracownia Komputerowa Jacka Skalmierskiego, [2012]. (2012), pp. 123–128.
- [1213] WALKOWIAK, K., BULIRA, D., AND CAREGLIO, D. Ilp modeling of many-to-many replicated multimedia communication. *Journal of Telecommunications and Information Tech*nology, 3 (2013).
- [1214] WALKOWIAK, K., CHAREWICZ, W., DONAJSKI, M., AND RAK, J. A tabu search algorithm for optimization of survivable overlay computing systems. In *International Joint Conference CISIS'12-ICEUTE'12-SOCO'12 Special Sessions / Alvaro Herrero [i in.] (eds.).Berlin ; Heidelberg : Springer, cop. 2013 (dr. 2012).* (2012), Advances in Intelligent Systems and Computing, pp. 225–234.
- [1215] WALKOWIAK, K., CHAREWICZ, W., DONAJSKI, M., AND RAK, J. Metaheuristic algorithms for optimization of resilient overlay computing systems. *Logic Journal of the IGPL* 23, 1 (2015).
- [1216] WALKOWIAK, K., AND CHMAJ, G. Data distribution in public-resource computing: modeling and optimization. *Polish Journal of Environmental Studies* 17, 2B (2008).
- [1217] WALKOWIAK, K., CHMAJ, G., KUCHARZAK, M., SIWEK, A., AND SKOWRON, J. Optimization of p2p-based distributed systems. *Journal of Applied Computer Science* 19, 1 (2011).
- [1218] Walkowiak, K., and Filipowicz, J. Simulation for comparison of diverse routing algorithms. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 219–223.
- [1219] Walkowiak, K., Goscien, R. J., and Klinkowski, M. On minimization of the spectrum usage in elastic optical networks with joint unicast and anycast traffic. In Asia Communications and Photonics Conference, ACP 2013 co-located and jointly organized International Conference on Information Photonics and Optical Communications, IPOC 2013 [Dokument elektroniczny]: Beijing, China, November 12-15, 2013.[B.m.]: Optical Society of America, cop. 2013., 2 (2013), pp. 1-3.
- [1220] WALKOWIAK, K., GOSCIEN, R. J., AND KLINKOWSKI, M. Evaluation of impact of traffic asymmetry on performance of elastic optical networks. In OFC 2015 [Optical Fiber Communication Conference and Exposition, Dokument elektroniczny]: technical digest, 22-26 March 2015, Los Angeles, California, USA.[Washington: Optical Society of America], cop. 2015., 2 (2015), pp. 1-3.

- [1221] WALKOWIAK, K., GOSCIEN, R. J., KLINKOWSKI, M., AND WOZNIAK, M. Optimization of multicast traffic in elastic optical networks with distance-adaptive transmission. *IEEE Communications Letters* 18, 12 (2014).
- [1222] Walkowiak, K., Goscien, R. J., Kmiecik, W. H., and Klinkowski, M. Content distribution in elastic optical networks with dedicated path protection. In Proceedings of RNDM 2014: 6th International Workshop on Reliable Networks Design and Modeling, November 17-19, 2014, Barcelona, Spain / [Jacek Rak i in.] (eds.). Danvers, MA: IEEE, cop. 2014., 5 (2014), pp. 116-122.
- [1223] WALKOWIAK, K., GOSCIEN, R. J., KMIECIK, W. H., AND KLINKOWSKI, M. Elastic optical networks for effective content distribution. In Asia Communications and Photonics Conference [Dokument elektroniczny]: ACP 2014, Shanghai, China, November 11-14, 2014.[B.m.]: Optical Society of America, cop. 2014., 2 (2014), pp. 1-3.
- [1224] Walkowiak, K., Goscien, R. J., Tornatore, M., and Wozniak, M. Impact of fanout and transmission reach on performance of multicasting in elastic optical networks. In OFC 2015 [Optical Fiber Communication Conference and Exposition, Dokument elektroniczny]: technical digest, 22-26 March 2015, Los Angeles, California, USA.[Washington: Optical Society of America], cop. 2015., 2 (2015), pp. 1-3.
- [1225] WALKOWIAK, K., GOSCIEN, R. J., WOZNIAK, M., AND KLINKOWSKI, M. Joint optimization of multicast and unicast flows in elastic optical networks. In 2015 IEEE International Conference on Communications (ICC), 8-12 June 2015, London, United Kingdom. Piscataway, NJ: IEEE, cop. 2015., 5 (2015), pp. 5186-5191.
- [1226] WALKOWIAK, K., AND KASPRZAK, A. A. Delay-aware design of overlay networks for application-layer multicasting. In INTERNET 2010: the Second International Conference on Evolving Internet: proceedings, 20-25 September 2010, Valencia, Spain / eds. Jaime Lloret Mauri [i in.]. Los Alamitos [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2010. (2010), pp. 25-30.
- [1227] WALKOWIAK, K., KASPRZAK, A. A., AND ANDRUSIECZKO, K. Optimization of overlay computing systems with many-to-many transmissions. *Theoretical and Applied Informatics* 24, 4 (2012).
- [1228] WALKOWIAK, K., KASPRZAK, A. A., AND KLINKOWSKI, M. Dynamic routing of anycast and unicast traffic in elastic optical networks. In 2014 IEEE International Conference on Communications, (ICC) [Dokument elektroniczny]: 10-14 June 2014, Sydney, Australia / ed. by Abbas Jamalipour, Der-Jiunn Deng.Piscataway, NJ: IEEE, cop. 2014., 4 (2014), pp. 3313-3318.
- [1229] Walkowiak, K., Kasprzak, A. A., Kosowski, M., and Miziolek, M. Scheduling and capacity design in overlay computing systems. In Computational science and its applications ICCSA 2012: 12th international conference, Salvador de Bahia, Brazil, June 18-21, 2012: proceedings. Pt. 4 / Beniamino Murgante [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 514–529.
- [1230] Walkowiak, K., Kasprzak, A. A., and Tornatore, M. Sparse-splitting multicasting in elastic optical networks. In ACP 2015: Asia Communications and Photonics Conference [Dokument elektroniczny]: co-located and jointly organized International Conference on Information Photonics and Optical Communications, 19th-23rd Nov. 2015, Hong Kong. Washington, DC: Optical Society of America, cop. 2015., 2 (2015), pp. 1–3.
- [1231] WALKOWIAK, K., KASPRZAK, A. A., AND WOZNIAK, M. Algorithms for calculation of candidate trees for efficient multicasting in elastic optical networks. In ICTON 2015: 17th International Conference on Transparent Optical Networks [Dokument elektroniczny]

- : Budapest, Hungary, 5-9 July 2015 / [eds. Marek Jaworski, Marian Marciniak].[Danvers, MA]: IEEE; Warsaw: National Institute of Telecommunications. Department of Transmission and Optical Technologies, cop. 2015., 3 (2015), pp. 1–4.
- [1232] Walkowiak, K., and Klinkowski, M. Joint anycast and unicast routing for elastic optical network. In 2013 IEEE International Conference on Communications, (ICC) [Dokument elektroniczny]: 9-13 June 2013, Budapest, Hungary / ed. by Dong-In Kim, Peter Mueller. Piscataway, NJ: IEEE, cop. 2013., 5 (2013), pp. 2502-2507.
- [1233] WALKOWIAK, K., AND KLINKOWSKI, M. Shared backup path protection in elastic optical networks: modeling and optimization. In 2013 9th International Conference on the Design of Reliable Communication Networks (DRCN), Budapest, Hungary, 4-7 March 2013.[B.m.]: IEEE, cop. 2013., 9 (2013), pp. 187–194.
- [1234] Walkowiak, K., and Klinkowski, M. On the usage of multiflow transponders under anycast and unicast traffic in elastic optical networks. In OFC 2014 [Dokument elektroniczny]: technical digest, 9-13 March 2014, San Francisco, California, USA.[Washington, DC,: Optical Society of America], cop. 2014., 2 (2014), pp. 1-3.
- [1235] Walkowiak, K., and Klinkowski, M. On the impact of modulation format transmission reach on spectrum usage in elastic optical networks. In ACP 2016: Asia Communications and Photonics Conference [Dokument elektroniczny]: The 9th International Photonics and OptoElectronics Meetings, The 13th International Conference on Photonics and Imaging in Biology and Medicine, Nov. 2-5, 2016, Wuhan, China. Washington, DC: Optical Society of America, cop. 2016., 2 (2016), pp. 1–3.
- [1236] Walkowiak, K., and Klinkowski, M. Performance analysis of dynamic routing in elastic optical networks with back-to-back regeneration. Tech. Rep. nr 42, 2017.
- [1237] Walkowiak, K., and Klinkowski, M. Energy efficiency of dynamic routing in elastic optical networks with back-to-back regeneration. In 2018 International Conference on Computing, Networking and Communications (ICNC) [Dokument elektroniczny]: March 5-8, 2018, Maui, HI, USA.Danvers, MA: IEEE, cop. 2018., 4 (2018), pp. 399–403.
- [1238] Walkowiak, K., and Klinkowski, M. Predeployment of transceivers for dynamic light-path provisioning in translucent flexgrid optical networks. In OFC [The Optical Fiber Communication Conference and Exposition, Dokument elektroniczny]: 11-15 March 2018, San Diego, California, United States. Washington: Optical Society of America, cop. 2018., 2 (2018), pp. 1-3.
- [1239] Walkowiak, K., Klinkowski, M., Goscien, R. J., and Kasprzak, A. A. Multiflow transponders for provisioning of asymmetric traffic in elastic optical networks with dedicated path protection. In 2014 European Conference on Optical Communication (ECOC), Cannes, France, September, 21-25, 2014.[B.m.]: IEEE, cop. 2014., 2 (2014), pp. 1-3.
- [1240] Walkowiak, K., Klinkowski, M., and Lechowicz, P. Influence of modulation format transmission reach on performance of elastic optical networks. In ICTON 2017: 19th International Conference on Transparent Optical Networks [Dokument elektroniczny]: Girona, Catalonia, Spain, 2-6 July, 2017 / Marek Jaworski, Marian Marciniak.Danvers, MA: IEEE; Warsaw: National Institute of Telecommunications, cop. 2017., 3 (2017), pp. 1-4.
- [1241] WALKOWIAK, K., KLINKOWSKI, M., RABIEGA, B., AND GOSCIEN, R. J. Routing and spectrum allocation algorithms for elastic optical networks with dedicated path protection. Optical Switching and Networking 13 (2014).

- [1242] WALKOWIAK, K., AND KUCHARZAK, M. New approaches to modeling of flows in peer-to-peer systems. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 113–120.
- [1243] Walkowiak, K., Kucharzak, M., Kopec, P., and Kasprzak, A. A. Ilp model and algorithms for restoration of anycast flows in elastic optical networks. In *Proceedings of RNDM 2014: 6th International Workshop on Reliable Networks Design and Modeling, November 17-19, 2014, Barcelona, Spain / [Jacek Rak i in.] (eds.).Danvers, MA: IEEE, cop. 2014., 5 (2014), pp. 102–108.*
- [1244] Walkowiak, K., Lechowicz, P., Klinkowski, M., and Sen, A. Ilp modeling of flexgrid sdm optical networks. In The 17th International Network Strategy and Planning Symposium [Dokument elektroniczny]: proceedings, Montreal, Canada, September 26-28, 2016 / Zbigniew Dziong, Jean-Charles Gregoire, Jacek Rak (eds.).[B.m.: IEEE, 2016]., 6 (2016), pp. 1-6.
- [1245] WALKOWIAK, K., AND LENARSKI, K. Tabu search algorithm for optimization of multi-layer computer networks. In Modelling and simulation of systems: proceedings of the 43rd Spring International Conference, [Roznov pod Radhostem, Czech Republic, April 7-9, 2009] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 105-112.
- [1246] WALKOWIAK, K., AND PRZEWOZNICZEK, M. W. Modeling and optimization of survivable p2p multicasting. Computer Communications 34, 12 (2011).
- [1247] WALKOWIAK, K., PRZEWOZNICZEK, M. W., AND PAJAK, K. Heuristic algorithms for survivable p2p multicasting. Applied Artificial Intelligence 27, 4 (2013).
- [1248] Walkowiak, K., and Rak, J. Joint optimization of anycast and unicast flows in survivable optical networks. In Proceedings of 2010 14th International Telecommunications Network Strategy and Planning Symposium (NETWORKS), September 27-30, 2010, Warsaw, Poland / [eds. Michal Pioro i in.]. Piscataway, NJ: IEEE, cop. 2010. (2010), pp. 54-59.
- [1249] Walkowiak, K., and Rak, J. Shared backup path protection for anycast and unicast flows using the node-link notation. In 2011 IEEE International Conference on Communications, IEEE ICC 2011 [Dokument elektroniczny]: source of innovation: back to the origin, 5-9 June, 2011, Kyoto, Japan. Piscataway, NJ: IEEE, cop. 2011. (2011), pp. 1-6.
- [1250] Walkowiak, K., and Rak, J. 1+1 protection of overlay distributed computing systems: modeling and optimization. In Computational science and its applications ICCSA 2012: 12th international conference, Salvador de Bahia, Brazil, June 18-21, 2012: proceedings. Pt. 4 / Beniamino Murgante [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2012. (2012), Lecture Notes in Computer Science, pp. 498-513.
- [1251] WALKOWIAK, K., AND RAK, J. Simultaneous optimization of unicast and anycast flows and replica location in survivable optical networks. *Telecommunication Systems* 52, 2 (2013).
- [1252] Walkowiak, K., and Rak, J. Optimization issues in distributed computing systems design. In Modeling, simulation and optimization of complex processes - HPSC 2012: proceedings of the Fifth International Conference on High Performance Scientific Computing, March 5-9, 2012, Hanoi, Vietnam / Hans Georg Bock [i in.] (eds.). Cham [i in.]: Springer, cop. 2014., 8 (2014), pp. 261-272.

- [1253] Walkowiak, K., Sztajer, S., and Wozniak, M. Decentralized distributed computing system for privacy-preserving combined classifiers modeling and optimization. In Computational science and its applications ICCSA 2011: international conference, Santander, Spain, June 20-23, 2011: proceedings. Pt. 1 / Beniamino Murgante [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science, pp. 512–525.
- [1254] Walkowiak, K., and Wozniak, M. Decision tree induction methods for distributed environment. In Man-machine interactions / Krzysztof A. Cyran [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2009.s. 201-208,1 rys., bibliogr. 23 poz., vol. nr 59 of Advances in Intelligent and Soft Computing. 2009.
- [1255] WALKOWIAK, K., AND WOZNIAK, M. Modeling of network computing systems for decision tree induction tasks. Lecture Notes in Computer Science 5788 (2009).
- [1256] WALKOWIAK, K., AND WOZNIAK, M. Optimization of elastic optical networks for big data traffic. Tech. Rep. nr 11, 2014.
- [1257] WALKOWIAK, K., AND WOZNIAK, M. Integer programming models for optimization of multicast flows in elastic optical networks. Tech. Rep. nr 98, 2015.
- [1258] WALKOWIAK, K., AND WOZNIAK, M. Kombinowane algorytmy detekcji zmian parametrow modeli klasyfikacji oraz ich ocena eksperymentalna. Tech. Rep. nr 104, 2015.
- [1259] WALKOWIAK, K., AND WOZNIAK, M. Chosen issues of the medical big data analysis. Tech. Rep. nr 71, 2016.
- [1260] WALKOWIAK, K., WOZNIAK, M., KLINKOWSKI, M., AND KMIECIK, W. H. Optical networks for cost-efficient and scalable provisioning of big data traffic. *International Journal of Parallel, Emergent and Distributed Systems*. 20 30, 1 (2015).
- [1261] WECHMAN, P. Using modified travelling sales problem to find optimal school bus route. In Człowiek - cywilizacja - przyszłosc : IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2011., Streszcz. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 99–105.
- [1262] WECHMAN, P., AND KOSZALKA, L. School bus route problem. In Information systems architecture and technology [Dokument elektroniczny]: systems analysis approach to the design, control and decision support / eds. Jerzy Swiatek [i in.]. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012.s. 261-271,10 rys., 1 tab., bibliogr. 15 poz., Biblioteka Informatyki Szkol Wyzszych. 2012.
- [1263] WESTPHALL, C. B., BORCOCI, E., AND POZNIAK-KOSZALKA, I., Eds. NexComm 2015 [Dokument elektroniczny]: ICN 2015: The Fourteenth International Conference on Networks, SOFTNETWORKING 2015: The International Symposium on Advances in Software Defined Networks, April 19-24, 2015, Barcelona, Spai (2015), IARIA, [B.m.].
- [1264] WESTPHALL, C. B., POZNIAK-KOSZALKA, I., BORCOCI, E., AND KRSTIC, D., Eds. InfoWare 2015 [Dokument elektroniczny]: The Eleventh International Conference on Wireless and Mobile Communications, ICWMC 2015, October 11-16, 2015, St. Julians, Malta (2015), IARIA, [B.m.].
- [1265] WIECZOREK, T., AND KASPRZAK, A. A. Logical topology design problems of local area networks. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 237-241.

- [1266] Wielgus, A. Scheduling problems with the aging effect a survey and computational complexity of makespan minimization flowshop with position dependent job processing times. Tech. Rep. nr 6, 2011.
- [1267] WIELGUS, A. A flowshop scheduling problem with machine deterioration and maintenance activities. Tech. Rep. nr 2, 2012.
- [1268] Wielgus, A. Nowe modele problemow szeregowania zadan z czynnosciami regeneracyjnymi. Tech. Rep. nr 11, 2012.
- [1269] Wielgus, A. Single processor total weighted completion time minimization problem with the aging effect and maintenance activity - computational complexity analysis and solution algorithms. Tech. Rep. nr 4, 2012.
- [1270] WIELGUS, A. On scheduling problems with the aging effect and maintenance cost. In 18th International Conference on Methods and Models in Automation & Robotics, MMAR 2013 [Dokument elektroniczny]: 26-29 August, 2013, Miedzyzdroje, Poland.Piscataway, NJ: IEEE, cop. 2013., 3 (2013), pp. 682-686.
- [1271] Wielgus, A. Algorytmy rozwiazania dla problemow szeregowania ze zmienna efektywnoscia procesora. Tech. Rep. nr 5, 2014.
- [1272] Wielgus, A. Problemy szeregowania ze zmienna efektywnościa procesora analiza zlozoności obliczeniowej, algorytmy rozwiazania. PhD thesis, 2014.
- [1273] Wielgus, A., and Pozniak-Koszalka, I. Reinforcement learning as an approximation algorithm for a flow shop problem. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2008]. (2008), pp. 224-131.
- [1274] WIELGUS, A., AND RUDEK, R. A flowshop scheduling problem with machine deterioration and maintenance activities. In 17th International Conference on Methods and Models in Automation & Robotics, MMAR 2012 [Dokument elektroniczny]: Miedzyzdroje, Poland, 27-30 August, 2012.[Piscataway, NJ]: IEEE, cop. 2012. (2012), pp. 40-45.
- [1275] WIELGUS, A., AND RUDEK, R. On flowshop scheduling problems with the aging effect and resource allocation. *International Journal of Advanced Manufacturing Technology* 62, 1-4 (2012).
- [1276] WIELGUS, A., AND RUDEK, R. Makespan minimization flowshop with position dependent job processing times - computational complexity and solution algorithms. Computers & Operations Research 40, 8 (2013).
- [1277] WIELGUS, A., RUDEK, R., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND BURNHAM, K. J. Heuristic algorithms of production planning for some industrial flexible manufacturing system. In Proceedings of the 16th International Conference on Systems Science, Wroclaw, Poland, 4-6 September 2007. Vol. 2 / Ed. Adam Grzech. Wroclaw: Oficyna Wydaw. PWroc., 2007. (2007), pp. 167–172.
- [1278] Wiktorowicz, K., and Wiktorowicz, Z. Wielowarstwowa siec neuronowa do rozpoznawania recznie pisanych cyfr. In Człowiek cywilizacja przyszłosc : VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009 : referaty. T. 2.Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 37–42.

- [1279] WILK, T., AND WOZNIAK, M. Comparison of fuzzy combiner training methods. In Computational collective intelligence: technologies and applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28-30, 2012: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Kiem Hoang, Piotr Jedrzejowicz (eds.).Berlin; Heidelberg [i in.]: Springer, cop. 2012. (2012), Lecture Notes in Computer Science., pp. 166-173.
- [1280] WILK, T. A. Nowe podejscie do problemu komiwojazera. In Człowiek cywilizacja przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wrocław, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004., Summ. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 379–384.
- [1281] Wilk, T. A. Rozmyte metody kombinacji klasyfikatorow jednoklasowych. PhD thesis, 2011.
- [1282] WILK, T. A., AND KOSZALKA, L. Research attempts to create algorithm for travelling salesman problem. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 187–196.
- [1283] WILK, T. A., AND WOZNIAK, M. Combination of one-class classifiers for multiclass problems by fuzzy logic. Neural Network World 20, 7 (2010).
- [1284] WILK, T. A., AND WOZNIAK, M. Complexity and multihreaded implementation analysis of one class-classifiers fuzzy combiner. In Hybrid artificial intelligent systems: 6th International Conference, HAIS 2011, Wroclaw, Poland, May 23-25, 2011: proceedings. Pt. 2 / Emilio Corchado, Marek Kurzynski, Michal Wozniak (eds.). Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 237-244.
- [1285] WILK, T. A., AND WOZNIAK, M. Soft computing methods applied to combination of one-class classifiers. *Neurocomputing* 75, 1 (2012).
- [1286] Wisniewski, M., and Walkowiak, K. Evolutionary algorithm for p2p multicasting network design problem. In *Hybrid artificial intelligent systems : 6th International Conference, HAIS 2011, Wrocław, Poland, May 23-25, 2011 : proceedings. Pt. 1 / Emilio Corchado, Marek Kurzynski, Michal Wozniak (eds.).Berlin ; Heidelberg : Springer, cop. 2011.* (2011), Lecture Notes in Computer Science., pp. 182–189.
- [1287] WLODARCZYK, A., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Differential evolution for task allocation in mesh networks. In 2016 4th International Symposium on Computational and Business Intelligence, ISCBI 2016, September 05-07, 2016, Olten, Switzerland. Danvers, MA: Institute of Electrical and Electronics Engineers, cop. 2016., 4 (2016), pp. 143–147.
- [1288] WLODARCZYK, A., POZNIAK-KOSZALKA, I., KOSZALKA, L., KASPRZAK, A. A., AND ZYDEK, D. Task allocation in torus mesh networks using differential evolution. In IC-SEng 2017: 25th International Conference on Systems Engineering: Las Vegas, Nevada, 22-23 August 2017: proceedings / ed. by Henry Selvaraj, Grzegorz Chmaj and Dawid Zydek. Danvers, MA: IEEE, cop. 2017., 5 (2017), pp. 193-198.
- [1289] WOJCIK, M., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND KASPRZAK, A. A. Mzz-ga algorithm for solving path optimization in 3d printing. In NexComm 2015 [Dokument elektroniczny]: ICONS 2015: The Tenth International Conference on Systems, EMBEDDED 2015: International Symposium on Advances in Embedded Systems and Applications, April 19-24, 2015, Barcelona, Spain / eds. Leszek Koszalka, Pascal Lorenz.[B.m.]: IARIA, cop. 2015., 5 (2015), pp. 30-35.

- [1290] WOJCIK, M., POZNIAK-KOSZALKA, I., KOSZALKA, L., AND KASPRZAK, A. A. Experimentation system for path planning applied to 3d printing. In Advances in Applied Digital Human Modeling and Simulation: proceedings of the AHFE 2016 International Conference on Digital Human Modeling and Simulation, July 27-31, 2016, Walt Disney World(r), Florida, USA / ed. Vincent G. Duffy. [Cham]: Springer, cop. 2017., 9 (2017), Advances in Intelligent Systems and Computing, pp. 291–302.
- [1291] WOJCIK, R. Opracowanie oprogramowania do akwizycji i analizy biosygnalow procedury i eksperymenty praktyczne. Tech. Rep. nr 2, 2014.
- [1292] Wojcikowski, M. Evolutionary program for anycast flows optimization in public resource computing systems. In *Człowiek cywilizacja przyszłosc : VIII Konferencja Naukowa Studentow, Szklarska Poreba, 23-25 sierpnia 2010.Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2010.* (2010), Prace Studentow Politechniki Wrocławskiej., pp. 318–323.
- [1293] Wojcikowski, M., and Kmiecik, W. H. Komputerowy system badania efektywnosci metaheurystycznych algorytmow alokacji. In Człowiek - cywilizacja - przyszłosc : VII Konferencja Naukowa Studentow, Wrocław, 18-20 maja 2009 : referaty. T. 2. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2009., Summ. (2009), Prace Studentow Politechniki Wrocławskiej., pp. 43-48.
- [1294] Wojtczak, P., Amaral, T. G., Dias, O. P., Wolczowski, A., and Kurzynski, M. Hand movement recognition based on biosignal analysis. *Engineering Applications of Artificial Intelligence* 22, 4/5 (2009).
- [1295] Wolczowski, A. Eksperymentalna analiza porownawcza metod analizy biosygnalow rekomendacje dla zastosowan praktycznych. Tech. Rep. nr 1, 2014.
- [1296] Wolczowski, A. Control of multi-joint hand prosthesis an experimental approach. Tech. Rep. nr 20, 2015.
- [1297] Wolczowski, A., Davies, D., and Kurzynski, M. Application of sequential recognition of patient intent to the bio-prosthesis hand control experimental investigations of algorithms. In 4th European Conference of the International Federation for Medical and Biological Engineering, [ECIFMBE 2008 Dokument elektroniczny], Antwerp, Belgium, 23-27 November 2008 / Vander Sloten, Jos [i in.] (eds).Berlin: Springer, 2009.s. 348-352,1 rys., 1 tab., bibliogr. 14 poz., vol. vol. 22 of IFMBE Proceedings. 2009.
- [1298] Wolczowski, A., and Kurzynski, M. Control of artificial hand via recognition of emg signals. In Biological and medical data analysis. 5th International symposium. ISBMDA 2004. Proceedings, Barcelona, November 18-19, 2004 / Jose M. Barreiro [i in.] (eds). Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 356-367.
- [1299] Wolczowski, A., and Kurzynski, M. Sterowanie bioproteza poprzez rozpoznawanie sygnalow mioelektrycznych. In Postepy robotyki. Przemyslowe i medyczne systemy robotyczne. Praca zbiorowa pod red. Krzysztofa Tchonia. Warszawa: WKL, 2005.s. 221-230,7 rys., bibliogr. 13 poz. 2005.
- [1300] Wolczowski, A., and Kurzynski, M. Control of dexterous hand via recognition of emg signals using combination of decision-tree and sequential classifier. In Computer recognition systems 2. Marek Kurzynski [i in.] (eds). Berlin [i in.]: Springer, cop. 2007.s. 687-694,3 rys., bibliogr. 16 poz., vol. 45 of Advances in Soft Computing. 2007.
- [1301] WOLCZOWSKI, A., AND KURZYNSKI, M. Human-machine interface in bioprosthesis control using emg signal classification. Expert Systems [Dokument elektroniczny] 27, 1 (2010).

- [1302] Wolczowski, A., and Kurzynski, M. Control of hand prosthesis using fusion of information from bio-signals and from prosthesis sensors. In APCASE'14: 2014 Asia-Pacific Conference on Computer-Aided System Engineering (APCASE), 10th-12th February 2014, Bali, Indonesia / Zenon Chaczko [i in.] (eds.).[B.m.]: IEEE, cop. 2014., 5 (2014), pp. 19–24.
- [1303] Wolczowski, A., and Kurzynski, M. Control of hand prosthesis using fusion of biosignals and information from prosthesis sensors. In Computational intelligence and efficiency in engineering systems / Grzegorz Borowik [i in.] (eds.).Cham [i in.]: Springer, cop. 2015.s. 259-273,8 rys., 1 tab., bibliogr. 18 poz.1,0, vol. vol. 595 of Studies in Computational Intelligence. 2015.
- [1304] Wolczowski, A., Kurzynski, M., and Zaplotny, P. Concept of a system for training of bioprosthetic hand control in one side handless humans using virtual reality and visual and sensory biofeedback. *Journal of Medical Informatics & Technologies 18* (2011).
- [1305] Wolczowski, A., Szecowka, P., Gora, J., and Kurzynski, M. Hardware implementation of fourier transform for real time emg signals recognition. In Proceedings of the 8th International Conference on Computer Recognition Systems: CORES 2013 / Robert Burduk [i in.] (eds.). Cham [i in.]: Springer, cop. 2013., 7 (2013), Advances in Intelligent Systems and Computing, pp. 783–792.
- [1306] Woloszynski, T. Computer algorithms for combining classifiers based on feature space partitioning. PhD thesis, 2011.
- [1307] Woloszynski, T., and Kurzynski, M. Application of combining classifiers using dynamic weights to the protein secondary structure prediction comparative analysis of fusion methods. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 4345 (2006).
- [1308] Woloszynski, T., and Kurzynski, M. On a new method of combining classifiers applied to the protein secondary structure prediction. In *Medical informatics & technology. MIT 2006. Proceedings of the 11th conference, Wisla-Malinka, September 25-27, 2006 / Eds E. Pietka, J. Leski, S. Franiel.*[Gliwice: Pracownia Komputerowa Jacka Sklamierskiego, 2006]. (2006), pp. 348–353.
- [1309] Woloszynski, T., and Kurzynski, M. Combining classifiers in a tree structure. In 2008 International Conference on Computational Intelligence for Modelling, Control and Automation, CIMCA 2008: International Conference on Intelligent Agents, Web Technologies and Internet Commerce, IAWTIC 2008: International Conference on Innovation in Software Engineering, ISE 2008 [Dokument elektroniczny]: Vienna, Austria, December 10-12, 2008 / ed. Masoud Mohammadian. [Los Alamitos i in.]: IEEE Computer Society [Press], cop. 2009. (2009), pp. 785–790.
- [1310] Woloszynski, T., and Kurzynski, M. On a new measure of classifier competence applied to the design of multiclassifier systems. *Lecture Notes in Computer Science* 5716 (2009).
- [1311] Woloszynski, T., and Kurzynski, M. On a new measure of classifier competence in the feature space. In Computer recognition systems 3 / Marek Kurzynski, Michal Wozniak (eds.).Berlin; Heidelberg: Springer, cop. 2009.s. 285-292,1 rys., 3 tab., bibliogr. 8 poz., vol. nr 57 of Advances in Intelligent and Soft Computing. 2009.
- [1312] Woloszynski, T., and Kurzynski, M. A measure of competence based on randomized reference classifier for dynamic ensemble selection. In 2010 20th International Conference on Pattern Recognition, ICPR 2010 [Dokument elektroniczny]: proceedings, 23-26 August 2010, Istanbul, Turkey.Los Alamitos [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2010. (2010), International Conference on Pattern Recognition, pp. 4194-4197.

- [1313] Woloszynski, T., and Kurzynski, M. A probabilistic model of classifier competence for dynamic ensemble selection. Pattern Recognition 44, 10/11 (2011).
- [1314] WOLOSZYNSKI, T., KURZYNSKI, M., PODSIADLO, P., AND STACHOWIAK, G. A measure of competence based on random classification for dynamic ensemble selection. *Information Fusion* 13, 3 (2012).
- [1315] Woloszynski, T., Podsiadlo, P., Stachowiak, G., and Kurzynski, M. A signature dissimilarity measure for trabecular bone texture in knee radiographs. *Medical Physics* (Lancaster) 37, 5 (2010).
- [1316] Woloszynski, T., Podsiadlo, P., Stachowiak, G., and Kurzynski, M. A dissimilarity-based multiple classifier system for trabecular bone texture in detection and prediction of progression of knee osteoarthritis. *Proceedings of the Institution of Mechan*ical Engineers. Part H, Journal of Engineering in Medicine (2012).
- [1317] WOLOSZYNSKI, T., PODSIADLO, P., STACHOWIAK, G., KURZYNSKI, M., LOHMANDER, L. S., AND ENGLUND, M. Prediction of progression of radiographic knee osteoarthritis using tibial trabecular bone texture. Arthritis & Rheumatism. 2 64, 3 (2012).
- [1318] Wolski, M., and Pozniak-Koszalka, I. A performance evaluation of dynamic web page generation server side technologies. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 34-40.
- [1319] Wolski, M., and Pozniak-Koszalka, I. The impact of server side technologies on the web server. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 168–179.
- [1320] Wozniak, M. Acquisition of the probabilistic knowledge from the unreliable sources. In Soft computing and distributed processing. SCDP 2002. Sixth international conference. Proceedings, Rzeszow, June 24-25, 2002 / Zbigniew Suraj (ed.).Rzeszow: Wydaw. Wyzszej Szkoly Informatyki i Zarzadzania, cop. 2002. (2002), pp. 126-128.
- [1321] WOZNIAK, M. Application of the confidence measure in knowledge acquisition process. In Computational science - ICCS 2003. International conference. Proceedings, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Pt. 3 / Peter M. A. Sloot [i in.] (eds).Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 635-643.
- [1322] WOZNIAK, M. Binary decision tree induction algorithm for the medical diagnosis support system. In Computer recognition systems. [3rd Conference on Computer Recognition Systems - KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 403-406.
- [1323] WOZNIAK, M. Case- and rule-based algorithms for the contextual pattern recognition problem. In Computational science and its applications ICCSA 2003. International conference. Proceedings, Montreal, Canada, May 18-21, 2003. Pt. 1 / Vipin Kumar [i in.] (eds). Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 89–98.
- [1324] WOZNIAK, M. Concept of expert quality measure for knowledge acquisition process. In Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 269–274.

- [1325] WOZNIAK, M. Concept of the knowledge quality management for rule-based decision system. In Intelligent information processing and Web mining. Proceedings of the International IIS:IIPWM '03 Conference, Zakopane, June 2-5, 2003 / Mieczyslaw A. Klopotek, Slawomir T. Wierzchon, Krzysztof Trojanowski (eds). Berlin [i in.]: Springer, cop. 2003. (2003), Advances in Soft Computing, pp. 575-579.
- [1326] WOZNIAK, M. Idea of knowledge acquisition for the probabilistic expert systems. In 2003 International Conference on Computational Intelligence for Modelling, Control and Automation - CIMCA 2003. Proceedings [Dokument elektroniczny], Vienna, Austria, 12-14 February 2003 / Ed. by M. Mohammadian. Canberra: University of Canberra, cop. 2003. (2003), pp. 417-422.
- [1327] WOZNIAK, M. Problemy fuzji informacji w systemach wspomagania decyzji medycznych. In Biocybernetyka i inzynieria biomedyczna. XIII Krajowa konferencja naukowa, Gdansk, 10-13 wrzesien 2003. T. 1. Biosystemy / Red. Antoni Nowakowski. [Gdansk: Wydzial Elektroniki, Telekomunikacji i Informatyki PGdan., 2003]. (2003), pp. 268–273.
- [1328] WOZNIAK, M. Proposition of subjective quality measure for expert rules. Journal of Medical Informatics & Technologies 5 (2003).
- [1329] Wozniak, M. Proposition of the quality measure for the probabilistic decision support system. In Developments in applied artificial intelligence. 16th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems. IEA/AIE 2003. Proceedings, Loughborough, UK, June 23-26, 2003 / Paul W. H. Chung, Chris Hinde, Moonis Ali (eds).Berlin [i in.]: Springer, cop. 2003. (2003), Lecture Notes in Computer Science, pp. 686-691.
- [1330] Wozniak, M. The recognition algorithm for the probabilistic decision system with the different quality of the expert knowledge. *Journal of Applied Computer Science* 11, 2 (2003).
- [1331] Wozniak, M. Wybrane problemy pozyskiwania danych ze zrodel o roznej wiarygodnosci. In Zastosowanie technik informacyjnych w gospodarce i zarzadzanie wiedza. IX Konferencja z cyklu Komputerowe systemy wielodostepne. KSW '2003, Bydgoszcz-Ciechocinek, [10-12 wrzesnia] 2003 / pod red. Ludoslawa Drelichowskiego, Arkadiusza Januszewskiego, Grzegorza Dziezy.Bydgoszcz: Katedra Informatyki w Zarzadzaniu ATR, [2003]., Summ. (2003), pp. 59-63.
- [1332] WOZNIAK, M. Concept of parametric algorithm for pattern recognition with context problems. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 86-91.
- [1333] WOZNIAK, M. Decision tree induction algorithms for the medical diagnosis problem comparative study. In Cybernetics and systems 2004. Proceedings of the Seventeenth European Meeting on Cybernetics and Systems Research, Vienna, 13-16 April 2004. Vol. 2 / Ed. by Robert Trappl. Vienna: Austrian Society for Cybernetic Studies, cop. 2004. (2004), pp. 486–488.
- [1334] WOZNIAK, M. Information fusion for probabilistic reasoning and its application to the medical decision support systems. In Computational science and its applications - ICCSA 2004. International conference. Proceedings, Assisi, Italy, May 14-17, 2004. Pt. 3 / Antonio Lagana [i in.] (eds).Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 593-601.
- [1335] WOZNIAK, M. Proposition of boosting algorithm for probabilistic decision support system. In Computational science ICCS 2004. 4th International conference. Proceedings, Krakow, June 6-9, 2004. Pt. 1 / Marian Bubak [i in.] (eds).Berlin [i in.]: Springer, cop. 2004. (2004), Lecture Notes in Computer Science, pp. 675–678.

- [1336] WOZNIAK, M. Boosted decision trees for diagnosis type of hypertension. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 3745 (2005).
- [1337] WOZNIAK, M. Comparative study of some voting methods. In Advanced simulation of systems. Proceedings of the XXVIIth International Autumn Colloquium, [Prerov, Czech Republic, 6-8 September 2005] / Ed. J. Stefan.Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 92–96.
- [1338] WOZNIAK, M. Comparative study of three pattern recognition approach to sequential decision problem. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava : MARQ, 2005. (2005), Acta MOSIS, pp. 319-324.
- [1339] WOZNIAK, M. Markov chains pattern recognition approach applied to the medical diagnosis tasks. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 3745 (2005).
- [1340] WOZNIAK, M. Some propositions of information fusion for pattern recognition with context task. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 3809 (2005).
- [1341] WOZNIAK, M. Three classifiers for acute abdominal pain diagnosis comparative study. Lecture Notes in Computer Science 3516 (2005).
- [1342] WOZNIAK, M. Adaptive weights calculation procedure for weighted voting idea and experimental results. In *Industrial Conference on Data Mining. ICDM 2006. Poster proceedings [Dokument elektroniczny]*, [Leipzig, Germany, 14-15 July 2006 / P. Perner (ed.).Leipzig: IBaI], 2006. (2006), IBaI CD-Report, pp. 19-29.
- [1343] Wozniak, M. Metody fuzji informacji dla komputerowych systemow rozpoznawania. Oficyna Wydaw. PWroc., Wroclaw, 2006.
- [1344] WOZNIAK, M. Proposition of common classifier construction for pattern recognition with context task. Knowledge-Based Systems. 2006, i 19 (2006).
- [1345] WOZNIAK, M. Two-stage classifier for diagnosis of hypertension type. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 4345 (2006).
- [1346] WOZNIAK, M. Combined approach to pattern classification in parametric case. In New advances in simulation, modelling and optimization. Proceedings of the 7th WSEAS International Conference on Simulation, Modelling and Optimization (SMO '07), Beijing, China, September 15-17, 2007 / [Ed. De Xu].[Athens]: WSEAS Press, cop. 2007. (2007), Electrical and Computer Engineering Series, pp. 315-320.
- [1347] WOZNIAK, M. Experiments with and aadaptive weights calculation procedure. In Modelling and simulation systems. Proceedings of the [41th] conference, [Roznov pod Radhostem, Czech Republic, April 24-26, 2007] / Ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 219-224.
- [1348] WOZNIAK, M. Experiments with trained and untrained fusers. In Innovations in hybrid intelligent systems. Emilio Corchado, Juan M. Corchado, Ajith Abraham (eds). Berlin [i in.]: Springer, cop. 2007.s. 144-150,2 rys., 1 tab., bibliogr. 24 poz., vol. 44 of Advances in Soft Computing. 2007.
- [1349] WOZNIAK, M. Method of contradictions elimination in the set of rules based on knowledge quality measure. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 98-102.

- [1350] WOZNIAK, M. Modification of adaboost using genetic operators. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 17–22.
- [1351] WOZNIAK, M. Rule-based classifiers for the acute abdominal pain diagnosis comparative study. In Proceedings of the 6th EUROSIM Congress on Modelling and Simulation. EU-ROSIM 2007 [Dokument elektroniczny], Ljubljana, Slovenia, 9-13 September 2007 / Ed. by Borut Zupancic, Rihard Karba, Saso Blazic. Vienna: Argesim, cop. 2007.[6] s. (2007).
- [1352] WOZNIAK, M. Building classifier ensemble via neural networks approach. Polish Journal of Environmental Studies 17, 3B (2008).
- [1353] WOZNIAK, M. Classifier fusion based on weighted voting analytical and experimental results. In Eighth International Conference on Intelligent Systems Design and Applications, ISDA 2008: proceedings, Kaohsiung, Taiwan, 26-28 November 2008. Vol. 2 / ed. by Jeng-Shyang Pan, Ajith Abraham, Chin-Chen Chang.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 687-692.
- [1354] WOZNIAK, M. Experiments on linear combiners. In Information technologies in biomedicine / Ewa Pietka, Jacek Kawa (eds).Berlin: Springer, cop. 2008.s. 445-452,3 rys., bibliogr. 18 poz., vol. 47 of Advances in Soft Computing. 2008.
- [1355] WOZNIAK, M. Experiments with boosted decision tree classifiers. In Eighth International Conference on Intelligent Systems Design and Applications, ISDA 2008: proceedings, Kaohsiung, Taiwan, 26-28 November 2008. Vol. 1 / ed. by Jeng-Shyang Pan, Ajith Abraham, Chin-Chen Chang.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 552-557.
- [1356] WOZNIAK, M. Method of induction cost-sensitive decision tree comparative study. In Modelling and simulation systems: proceedings of the [42nd] conference, [Hradec nad Moravici, Czech Republic, April 22-24, 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 75-81.
- [1357] WOZNIAK, M. Evolutionary approach to produce classifier ensemble based on weighted voting. In 2009 World Congress on Nature & Biologically Inspired Computing, NaBIC' 2009 [Dokument elektroniczny]: proceedings, 9-11 December 2009, Coimbatore, India / eds. Ajith Abraham [i in.].[Piscataway, NJ]: IEEE, cop. 2009. (2009), pp. 648-653.
- [1358] WOZNIAK, M. Modification of nested hyperrectangle exemplar as a proposition of information fusion method. Lecture Notes in Computer Science 5788 (2009).
- [1359] WOZNIAK, M. Combining classifiers concept and applications. Journal of Medical Informatics & Technologies 15 (2010).
- [1360] WOZNIAK, M. Combining pattern recognition algorithms chances and limits. In 2010 [2nd] International Conference on Computer Engineering and Technology, ICCET 2010, 16-18 April 2010, Chengdu, China: proceedings. Vol. 6 / [eds. Venkatesh Mahadevan, Jianhong Zhou]. Piscataway, NJ: IEEE, cop. 2010. (2010), pp. V6-111-V6-115.
- [1361] WOZNIAK, M. A hybrid decision tree training method using data streams. Knowledge and Information Systems 29, 2 (2011).
- [1362] WOZNIAK, M. Knowledge source confidence measure applied to a rule-based recognition system. In Intelligent information and database systems: Third International Conference, ACHDS 2011, Daegu, Korea, April 20-22, 2011: proceedings. Pt. 1 / Ngoc Thanh Nguyen, Chong-Gun Kim, Adam Janiak (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 425-434.

- [1363] WOZNIAK, M. Application of combined classifiers to data stream classification. In Computer information systems and industrial management: 12th IFIP TC8 International Conference, CISIM 2013, Krakow, Poland, September 25-27, 2013: proceedings / Khalid Saeed [i in.] (eds.). Heidelberg [i in.]: Springer, 2013., 8 (2013), Lecture Notes in Computer Science, pp. 13–23.
- [1364] WOZNIAK, M. Hybrid classifiers. Studies in Computational Intelligence. Springer, Berlin, 2014.
- [1365] WOZNIAK, M. New utrained aggregation methods that allow to exploit competence of base classifiers - experimental analysis and recommendation. Tech. Rep. nr 9, 2014.
- [1366] WOZNIAK, M. A first attempt on online context-based data stream classification. Tech. Rep. nr 42, 2015.
- [1367] WOZNIAK, M. Zespoly klasyfikatorow aktualne kierunki badan. Mechanik, 10 (2015).
- [1368] WOZNIAK, M. Adaptive one-class classification algorithms for different types of concept drift. Tech. Rep. nr 30, 2016.
- [1369] WOZNIAK, M. Statistical analysis of the experimental results related to optimization of elastic optical networks. Tech. Rep. nr 25, 2016.
- [1370] WOZNIAK, M. Accuracy based weighted aging ensemble (ab-wae) algorithm for data stream classification. In IEEE 4th International Conference on Soft Computing and Machine Intelligence, ISCMI 2017, November 23-24, 2017, Republic of Mauritius.Mauritius : Institute of Electrical and Electronics Engineering, Inc.; Danvers, MA: IEEE, cop. 2017., 3 (2017), pp. 21-24.
- [1371] WOZNIAK, M., AND CAL, P. Weighed aging ensemble of heterogenous classifiers for incremental drift classification. In Advances in soft computing and its applications: 12th Mexican International Conference on Artificial Intelligence, MICAI 2013, Mexico City, Mexico, November 24-30, 2013: proceedings. Pt. 2 / Felix Castro, Alexander Gelbukh, Miguel Gonzalez (eds.). Berlin; Heidelberg: Springer, cop. 2013., 8 (2013), Lecture Notes in Computer Science., pp. 256-266.
- [1372] WOZNIAK, M., CAL, P., AND CYGANEK, B. The influence of a classifiers' diversity on the quality of weighted aging ensemble. In *Intelligent Information and Database Systems*: 6th Asian Conference, ACIIDS 2014, Bangkok, Thailand, April 7-9, 2014: proceedings. Pt. 2 / Ngoc Thanh Nguyen [i in.] (Eds.).Cham [i in.]: Springer, cop. 2014., 7 (2014), Lecture Notes in Computer Science., pp. 90–99.
- [1373] WOZNIAK, M., AND CYGANEK, B. A first attempt on online data stream classifier using context. In Data Mining and Big Data: First International Conference, DMBD 2016, Bali, Indonesia, June 25-30, 2016: proceedings / Ying Tan, Yuhui Shi (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Lecture Notes in Computer Science, pp. 497–504.
- [1374] WOZNIAK, M., AND CYGANEK, B. On robust computation of tensor classifiers based on the higher-order singular value decomposition. In Software Engineering Perspectives and Application in Intelligent Systems: Proceedings of the 5th Computer Science Online Conference 2016 (CSOC2016), vol. 2 / Radek Silhavy, Roman Senkerik, Zuzanna Kominkova Oplatkova, Petr Silhavy, Zdenka Prokopova (eds.).[Cham]: Springer, cop. 2016., 6 (2016), Advances in Intelligent Systems and Computing, pp. 193–201.
- [1375] WOZNIAK, M., CYGANEK, B., KASPRZAK, A. A., KSIENIEWICZ, P., AND WALKOWIAK, K. Active learning clasiffier for streaming data. In Hybrid artificial intelligent systems: 11th International Conference, HAIS 2016, Seville, Spain, April 18-20, 2016: proceedings / Francisco Martinez-Alvarez [i in.] (eds.).[Cham]: Springer, cop. 2016., 9 (2016), Lecture Notes in Computer Science., pp. 186-197.

- [1376] WOZNIAK, M., GRANA, M., AND CORCHADO, E. A survey of multiple classifier systems as hybrid systems. *Information Fusion 16* (2014).
- [1377] WOZNIAK, M., AND JACKOWSKI, K. Fusers based on classifier response and discriminant function comparative study. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5271 (2008).
- [1378] WOZNIAK, M., AND JACKOWSKI, K. Limit of majority voting for group of classifiers with different qualities. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan.Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 39-44.
- [1379] WOZNIAK, M., AND JACKOWSKI, K. Selected methods of classifier fusion comparative study. Polish Journal of Environmental Studies 17, 2B (2008).
- [1380] WOZNIAK, M., AND JACKOWSKI, K. Some remarks on chosen methods of classifier fusion based on weighted voting. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 5572 (2009).
- [1381] WOZNIAK, M., JANUSZKIEWICZ, R., AND TOMCZYK, H. Linear combiners upper error bounds - analytical and experimental results. Tech. Rep. nr 5, 2008.
- [1382] WOZNIAK, M., AND KASPRZAK, A. A. Experimental investigation of adaboost modification. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 14-18.
- [1383] WOZNIAK, M., AND KASPRZAK, A. A. Data stream classification using classifier ensemble. Schedae Informaticae 23 (2014).
- [1384] WOZNIAK, M., KASPRZAK, A. A., AND CAL, P. Weighted aging classifier ensemble for the incremental drifted data streams. In Flexible Query Answering Systems: 10th International Conference, FQAS 2013, Granada, Spain, September 18-20, 2013: proceedings / Henrik Legind Larsen [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013., 7 (2013), Lecture Notes in Computer Science., pp. 579-588.
- [1385] WOZNIAK, M., AND KRAWCZYK, B. Combined classifier based on feature space partitioning. International Journal of Applied Mathematics and Computer Science 22, 4 (2012).
- [1386] WOZNIAK, M., KSIENIEWICZ, P., CYGANEK, B., KASPRZAK, A. A., AND WALKOWIAK, K. Active learning classification of drifted streaming data. Procedia Computer Science [Dokument elektroniczny] 80 (2016).
- [1387] WOZNIAK, M., KSIENIEWICZ, P., CYGANEK, B., AND WALKOWIAK, K. Ensembles of heterogenous concept drift detectors experimental study. In Computer information systems and industrial management: 15th IFIP TC8 International Conference, CISIM 2016, Vilnius, Lithuania, September 14-16, 2016: proceedings / Khalid Saeed, Władysław Homenda (eds.).[Cham]: Springer, cop. 2016., 9 (2016), Lecture Notes in Computer Science, pp. 538-549.
- [1388] WOZNIAK, M., KSIENIEWICZ, P., KASPRZAK, A. A., PUCHALA, K. J., AND RYBA, P. A first attempt to construct effective concept drift detector ensembles. In Image Processing and Communications Challenges 8: 8th International Conference, IP&C 2016, Bydgoszcz, Poland, September 2016: proceedings / Ryszard S. Choras (ed.).[Cham]: Springer, cop. 2017., 6 (2017), Advances in Intelligent Systems and Computing, pp. 27– 34.

- [1389] WOZNIAK, M., OLIJNYK, O., AND ZMYSLONY, M. New approach for estimating budget cost of projects in medical area. *Journal of Medical Informatics & Technologies 13* (2009).
- [1390] WOZNIAK, M., AND WALKOWIAK, K. Machine learning methods for the traffic and admission control. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan. Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 187–193.
- [1391] WOZNIAK, M., AND ZMYSLONY, M. The best-fit metric how to choose the best development platform for object-based software. Polish Journal of Environmental Studies 17, 3B (2008).
- [1392] WOZNIAK, M., AND ZMYSLONY, M. Chosen problems of designing effective multiple classifier systems. In Proceedings of the 2010 International Conference on Computer Information Systems and Industrial Management Applications (CISIM) [Dokument elektroniczny]: with applications to ambient intelligence and ubiquitous systems, 8-10 October 2010, Krakow, Poland / eds Ajith Abraham, Khalid Saeed, Vaclav Snasel. [Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 42-47.
- [1393] WOZNIAK, M., AND ZMYSLONY, M. Combining classifiers using trained fuser analytical and experimental results. Neural Network World 20, 7 (2010).
- [1394] WOZNIAK, M., AND ZMYSLONY, M. Designing combining classifier with trained fuser - analytical and experimental evaluation. In Proceedings of the 2010 10th International Conference on Intelligent Systems Design and Applications, ISDA' 10 [Dokument elektroniczny], November 29 - December 1, 2010, Cairo, Egypt / eds. Aboul Ella Hassanien [i in.Piscataway, NJ]: IEEE, cop. 2010. (2010), pp. 154-159.
- [1395] WOZNIAK, M., AND ZMYSLONY, M. Designing fusers on the basis of discriminants evolutionary and neural methods of training. Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence 6076 (2010).
- [1396] WOZNIAK, M., AND ZMYSLONY, M. Fusion methods for the two class recognition problem - analytical and experimental results. In *Image processing and communications challenges* 2 / Ryszard S. Choras (ed.).Berlin; Heidelberg: Springer, cop. 2010.s. 135-142,1 tab., bibliogr. 12 poz., vol. nr 84 of Advances in Intelligent and Soft Computing. 2010.
- [1397] WOZNIAK, M., AND ZMYSLONY, M. Method of designing classifier fuser evolutionary approach. In Modelling and simulation of systems: proceedings of the 44th Spring International Conference, [April 27-29, 2010, Hradec nad Moravici, Czech Republic] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2010. (2010), Acta MOSIS, pp. 88-92.
- [1398] WOZNIAK, M., AND ZMYSLONY, M. Combining classifier with a fuser implemented as a one layer perceptron. In *Intelligent information and database systems: Third International* Conference, ACIIDS 2011, Daegu, Korea, April 20-22, 2011: proceedings. Pt. 2 / Ngoc Thanh Nguyen, Chong-Gun Kim, Adam Janiak (eds.).Berlin; Heidelberg: Springer, cop. 2011. (2011), Lecture Notes in Computer Science., pp. 282-291.
- [1399] WOZNIAK, M., AND ZMYSLONY, M. Cost-sensitive classifier ensemble for medical decision support system. *Journal of Medical Informatics & Technologies 17* (2011).
- [1400] WROTNIAK, K., AND WOZNIAK, M. Combined bayesian classifiers applied to spam filtering problem. In International Joint Conference CISIS'12-ICEUTE'12-SOCO'12 Special Sessions / Alvaro Herrero [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013 (dr. 2012). (2012), Advances in Intelligent Systems and Computing, pp. 253–260.

- [1401] WYLD, D. C., WOZNIAK, M., CHAKI, N., MEGHANATHAN, N., AND NAGAMALAI, D., Eds. Advances in computing and information technology (2011), Communications in Computer and Information Science, Springer, Berlin.
- [1402] WYLD, D. C., WOZNIAK, M., CHAKI, N., MEGHANATHAN, N., AND NAGAMALAI, D., Eds. Advances in network security and applications (2011), Communications in Computer and Information Science, Springer, Berlin.
- [1403] WYLD, D. C., WOZNIAK, M., CHAKI, N., MEGHANATHAN, N., AND NAGAMALAI, D., Eds. Trends in networks and communications (2011), Communications in Computer and Information Science, Springer, Berlin.
- [1404] ZACHER, S., AND RYBA, P. Anomaly detection in server metrics with use of one-sided median algorithm. Journal of Applied Computer Science Methods 9, 1 (2017).
- [1405] Zaczek, M. Zastosowanie metod eksploracji danych w detekcji niepozadanego ruchu sieciowego. In Czlowiek cywilizacja przyszlosc : VI Konferencja Naukowa Studentow, Wroclaw, 12-14 maja 2008 : referaty. T. 1.Wroclaw : Oficyna Wydawnicza Politechniki Wroclawskiej, 2008., Summ. (2008), Prace Studentow Politechniki Wroclawskiej. Prace Studentow Politechniki Wroclawskiej, pp. 19-24.
- [1406] ZACZEK, M., AND WOZNIAK, M. Applying data mining to network intrusion detection. In Computer systems engineering: theory & applications: [8th & 9th] Polish-British Workshop, Sokolowsko, Poland, May [29-1] June 2008, Czarna Gora, Poland, [2-5] June 2009 / eds. Keith J. Burnham [i in.].[Wroclaw: Katedra Systemow i Sieci Komputerowych Politechniki Wroclawskiej, 2011]. (2011), pp. 182–187.
- [1407] Zaganczyk, A. Evolutionary algorithms and neural networks applied to the computer aided medical diagnosis. *Journal of Medical Informatics & Technologies. 2002*, 4 (2002).
- [1408] Zaganczyk, A. A neuro-genetic approach to system modelling. In Computer recognition systems. [3rd Conference on Computer Recognition Systems - KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw : Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 451–456.
- [1409] Zakrzewska, A., and Koszalka, L. Efficiency analysis of clustering algorithms: K-means and mvc. In Eighteenth International Conference on Systems Engineering. ICSE '2006. Proceedings, Coventry, UK, 5-7 September 2006 / Eds K. J. Burnham and O. C. L. Haas. Coventry: Coventry University, cop. 2006. (2006), pp. 533-536.
- [1410] Zakrzewska, A., Koszalka, L., and Burnham, K. J. Application for clustering multidimensional data sets. In Computer systems engineering: theory & applications: [6th & 7th] Polish-British Workshop, Szklarska Poreba, Poland, May [28-4] June 2006; Kudowa Zdroj, Poland, [7-10] September 2007 / eds Keith J. Burnham, Leszek Koszalka. [Wrocław: Katedra Systemow i Sieci Komputerowych Politechniki Wrocławskiej, 2008]. (2008), pp. 232–239.
- [1411] Zakrzewska, A., Koszalka, L., and Pozniak-Koszalka, I. Performance study of routing protocols for wireless mesh networks. In 19th International Conference on Systems Engineering, ICSEng 2008: proceedings, Las Vegas, Nevada, 19-21 August 2008 / ed. by Henry Selvaraj and Mariusz Rawski. Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2008. (2008), pp. 331-336.
- [1412] Zakrzewska, A., Koszalka, L., Pozniak-Koszalka, I., and Kasprzak, A. A. Analysis of routing protocol performance in wireless mesh networks. In 2010 International Conference on Computational Science and its Applications, ICCSA 2010: proceedings, 23-26 March 2010, Fukuoka, Japan.Los Alamitos [i in.]: IEEE Computer Society [Press], cop. 2010. (2010), pp. 307-310.

- [1413] ZHANG, Z., KRAWCZYK, B., GARCIA, S., ROSALES-PEREZ, A., AND HERRERA, F. Empowering one-vs-one decomposition with ensemble learning for multi-class imbalanced data. Knowledge-Based Systems 106 (2016).
- [1414] ZMUDA, K., KROL, D., AND KACZMARCZYK, M. Problem of task scheduling on parallel executors. In Człowiek cywilizacja przyszłosc : IX Konferencja Naukowa Studentow, Bedlewo, 7-9 pazdziernika 2011. Wrocław : Oficyna Wydawnicza Politechniki Wrocławskiej, 2011., Streszcz. (2011), Prace Studentow Politechniki Wrocławskiej., pp. 63-68.
- [1415] ZMYSLONY, M. Kombinowane algorytmy rozpoznawania z blokiem glosowania podlegajacym uczeniu. PhD thesis, 2012.
- [1416] ZMYSLONY, M. Modele fuzji klasyfikatorow kombinowanych podejmujacych decyzje na podstawie odpowiedzi klasyfikatorow elementarnych. In Interdyscyplinarnosc badan naukowych 2012 [Dokument elektroniczny]: praca zbiorowa / pod red. Jaroslawa Szreka. Wrocław: Oficyna Wydawnicza Politechniki Wrocławskiej, 2012.s. 491-496,4 rys., bibliogr. 9 poz., Summ. 2012.
- [1417] ZMYSLONY, M. Ocena wplywu rodzaju zastosowanych klasyfikatorow elementarnych na jakosc klasyfikacji fuzera. Tech. Rep. nr 1, 2012.
- [1418] ZMYSLONY, M., KRAWCZYK, B., AND WOZNIAK, M. Combined classifiers with neural fuser for spam detection. In *International Joint Conference CISIS'12-ICEUTE'12-SOCO'12 Special Sessions / Alvaro Herrero [i in.] (eds.)*.Berlin; Heidelberg: Springer, cop. 2013 (dr. 2012). (2012), Advances in Intelligent Systems and Computing, pp. 245–252.
- [1419] ZMYSLONY, M., AND WOZNIAK, M. Influence of fusion methods on quality of classification. In Advanced simulation of systems, [ASIS 2009]: proceedings of the [31st International] Autumn Colloquium, [Olomouc, Czech Republic, October 20-22, 2009] / ed. Petr Peringer, Jan Stefan. Ostrava: MARQ, 2009. (2009), Acta MOSIS, pp. 117-120.
- [1420] ZMYSLONY, M., WOZNIAK, M., AND JACKOWSKI, K. Oracle is it really the best possible model? In Image processing & communications challenges / eds. Ryszard S. Choras, Antoni Zabludowski. Warsaw: ""Exit"", 2009.s. 112-119,6 rys., 2 tab., bibliogr. 10 poz., Problemy Wspolczesnej Nauki, Teoria i Zastosowania. 2009.
- [1421] ZMYSLONY, M., WOZNIAK, M., AND JACKOWSKI, K. Comparative analysis of classifier fusers. International Journal of Artificial Intelligence & Applications 3, 3 (2012).
- [1422] ZOLNIEREK, A. The simulation investigations of pattern recognition algorithms for controlled markov chains. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan. Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 61–66.
- [1423] ZOLNIEREK, A. Medical application of pattern recognition algorithms for controlled markov chains. In Computer recognition systems. [3rd Conference on Computer Recognition Systems - KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 413–418.
- [1424] ZOLNIEREK, A. The pattern recognition algorithm for controlled markov chains with learning and additional classifier. In Advanced simulation of systems. Proceedings of the XXVth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, September 8-10, 2003] / Ed. Jan Stefan. Ostrava: MARQ, 2003. (2003), Acta MOSIS, pp. 103-107.

- [1425] ZOLNIEREK, A. Pattern recognition algorithm with lerning for second-order markov chains. In Computer recognition systems. [3rd Conference on Computer Recognition Systems -KOSYR 2003], [Milkow, 26th - 29th May 2003] / Eds Marek Kurzynski, Edward Puchala, Michal Wozniak. Wroclaw: Chair of Systems and Computer Networks. Wroclaw University of Technology, 2003. (2003), pp. 419-424.
- [1426] Zolnierek, A. The simulation investigations of pattern recognition algorithm for second-order markov chains. In *Modelling and simulation of systems. Proceedings of the [37th] conference, [Brno, Czech Republic, April 28-30, 2003] / Ed. Jan Stefan.Ostrava: MARQ, 2003.* (2003), Acta MOSIS, pp. 29–35.
- [1427] ZOLNIEREK, A. The algorithm of learning in the complex recognition-control system. In Advanced simulation of systems. Proceedings of the XXVIth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 22-24 September 2004] / Ed. Jan Stefan. Ostrava : MARQ, 2004. (2004), Acta MOSIS, pp. 98-103.
- [1428] ZOLNIEREK, A. The pattern recognition algorithm for second-order markov chains with learning-simulation investigations. In Modelling and simulation of systems. Proceedings of the [38th] conference, [Roznov pod Radhostem, Czech Republic, April 19-21, 2004] / Ed. Jan Stefan.Ostrava: MARQ, 2004. (2004), Acta MOSIS, pp. 129-134.
- [1429] ZOLNIEREK, A. Application of rough sets theory to the sequential diagnosis. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 4345 (2006).
- [1430] ZOLNIEREK, A. Simulation investigations of fuzzy relation method in sequential pattern recognition task. In Advanced simulation of systems. Proceedings of the XXVIIIth International Autumn Colloquium, [Vranov, Czech Republic, 12-14 September 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 19-24.
- [1431] ZOLNIEREK, A. Simulation investigations of rough sets method in sequential pattern recognition task. In Advances simulation of systems. Proceedings of the XXIXth International Autumn Colloquium, [Sv. Hostyn, Czech Republic, 18-20 September 2007] / Ed. Peter Peringer & Jan Stefan. Ostrava: MARQ, 2007. (2007), Acta MOSIS, pp. 86-91.
- [1432] ZOLNIEREK, A. Simulation investigations of the granulation step in the rough sets algorithm in the sequential pattern recognition task. In Advanced simulation of systems: proceedings of the [30st International] Autumn Colloquium, [Roznov pod Radhostem, Czech Republic, 16-18 September 2008] / ed. Peter Peringer, Jan Stefan. Ostrava: MARQ, 2008. (2008), Acta MOSIS, pp. 148-153.
- [1433] ZOLNIEREK, A., AND KURZYNSKI, M. Rough sets and fuzzy sets theory applied to the sequential medical diagnosis. Lecture Notes in Computer Science. Lecture Notes in Bioinformatics 4774 (2007).
- [1434] ZOLNIEREK, A., AND MADECKI, G. The pattern recognition algorithm for markov chains with fuzzy features vector - simulation investigations. In Modelling and simulation of systems. Proceedings of the [39th] conference, [Hradec nad Moravici, Czech Republic, April 19-21, 2005] / Ed. J. Stefan. Ostrava: MARQ, 2005. (2005), Acta MOSIS, pp. 49-55.
- [1435] Zolnierek, A., and Majak, M. Rough sets approach to the classification task with modification of decision rules. In Recent advances in signal processing, computational geometry and systems theory: proceedings of the 11th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision (ISCGAV '11): proceedings of the 11th WSEAS International Conference on Systems Theory and Scientific Computation (ISTASC '11), Florence, Italy, August 23-25, 2011 / [eds. Myriam Lazard i in.B.m.]: WSEAS Press, cop. 2011. (2011), pp. 53-56.

- [1436] ZOLNIEREK, A., AND MAJAK, M. Hybrid approach using rough sets and fuzzy logic to pattern recognition task. In Hybrid artificial intelligent systems: 8th international conference, HAIS 2013, Salamanca, Spain, September 11-13, 2013: proceedings / Jeng-Shyang Pan [i in.] (eds.).Berlin; Heidelberg: Springer, cop. 2013., 7 (2013), Lecture Notes in Computer Science., pp. 421-430.
- [1437] ZOLNIEREK, A., AND RUBACHA, B. The empirical study of the naive bayes classifier in the case of markov chain recognition task. In Computer recognition systems. Marek Kurzynski [i in.] (eds).Berlin [i in.]: Springer, cop. 2005.s. 329-336,1 tab., bibliogr. 12 poz., Advances in Soft Computing. 2005.
- [1438] Zuk, D. Start conditions for dynamic query reoptimization in distributed environment. In Advanced simulation of systems. Proceedings of the XIVst [wlasc. XIVth] International Autumn Colloquium, [Krnov, Czech Republic, September 9-11, 2002] / Ed. Jan Stefan. Ostrava: MARQ, 2002. (2002), Acta MOSIS, pp. 43-48.
- [1439] ZYDEK, D. Architecture and algorithms used to emulate an unconstrained switch. In Człowiek - cywilizacja - przyszłosc. II Konferencja Naukowa Studentow. Referaty, Wroclaw, 17-19 maja 2004. T. 2. Wrocław: Oficyna Wydaw. PWroc., 2004. (2004), Prace Studentow Politechniki Wrocławskiej. Prace Studentow Politechniki Wrocławskiej, pp. 385– 391.
- [1440] ZYDEK, D., BURNHAM, K. J., AND POZNIAK-KOSZALKA, I. Comparison and simulation research of algorithms applied to optical switching. In Computer systems engineering. Theory & applications. The Fifth Polish-British Workshop, Wroclaw-Ladek Zdroj, May [30-5] June, 2005 / Eds K. J. Burnham, L. Koszalka.[Wroclaw: Katedra Systemow i Sieci Komputerowych PWroc., 2006]. (2006), pp. 180-192.
- [1441] ZYDEK, D., CHMAJ, G., AND SELVARAJ, H. Extended analysis of resource assignment in modern chip multiprocessors. In ICSEng 2011: [21st] International Conference on Systems Engineering: proceedings, 16-18 August, 2011, Las Vegas, Nevada / ed. by Henry Selvaraj and Dawid Zydek. Los Alamitos, Ca. [i in.]: IEEE Computer Society Conference Publishing Services, cop. 2011. (2011), pp. 457–458.
- [1442] ZYDEK, D., KOSZALKA, L., POZNIAK-KOSZALKA, I., AND BURNHAM, K. J. Algorithms to managing unicast, multicast and broadcast transmission for optical switches. *Lecture Notes in Computer Science* 5297 (2008).
- [1443] ZYDEK, D., AND POZNIAK-KOSZALKA, I. Architecture and algorithms used to emulate optical switching. In Computer systems engineering. Theory & applications. Fourth Polish-British Workshop, Wroclaw-Szklarska Poreba, May [24-29], 2004 / Eds Keith J. Burnham, Leszek Koszalka. [Wroclaw: Katedra Systemow i Sieci Komputerowych. PWroc., 2004]. (2004), pp. 197–206.
- [1444] ZYDEK, D., AND POZNIAK-KOSZALKA, I. Algorithms and experimentation system of unicast, multicast and broadcast transmission for optical switches. In Eighteenth International Conference on Systems Engineering. ICSE '2006. Proceedings, Coventry, UK, 5-7 September 2006 / Eds K. J. Burnham and O. C. L. Haas. Coventry: Coventry University, cop. 2006. (2006), pp. 547–551.
- [1445] ZYDEK, D., AND POZNIAK-KOSZALKA, I. Unicast, multicast and broadcast traffic modelling for optical switching technologies. In Modelling and simulation of systems. Proceedings of the [40th] conference, [Prerov, Czech Republic, April 25-27, 2006] / Ed. J. Stefan. Ostrava: MARQ, 2006. (2006), Acta MOSIS, pp. 216-222.
- [1446] ZYDEK, D., SELVARAJ, H., KOSZALKA, L., AND POZNIAK-KOSZALKA, I. Evaluation scheme for noc-based cmp with integrated processor management system. *International Journal of Electronics and Telecommunications* 56, 2 (2010).