## JTO Bibliography from DBLP

## Tim Oates

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## References

- [1] Pavel Senin, Jessica Lin, Xing Wang, Tim Oates, Sunil Gandhi, Arnold P. Boedihardjo, Crystal Chen, and Susan Frankenstein. Grammarviz 3.0: Interactive discovery of variable-length time series patterns. *TKDD*, 12(1):10:1–10:28, 2018.
- [2] Sunil Gandhi, Tim Oates, Tinoosh Mohsenin, and W. David Hairston. Denoising time series data using asymmetric generative adversarial networks. In Dinh Q. Phung, Vincent S. Tseng, Geoffrey I. Webb, Bao Ho, Mohadeseh Ganji, and Lida Rashidi, editors, Advances in Knowledge Discovery and Data Mining 22nd Pacific-Asia Conference, PAKDD 2018, Melbourne, VIC, Australia, June 3-6, 2018, Proceedings, Part III, volume 10939 of Lecture Notes in Computer Science, pages 285–296. Springer, 2018.
- [3] Karan K. Budhraja, Robert John Winder, and Tim Oates. Feature construction for controlling swarms by visual demonstration. *TAAS*, 12(2):10:1–10:22, 2017.
- [4] Karan K. Budhraja and Tim Oates. Neuroevolution-based inverse reinforcement learning. In 2017 IEEE Congress on Evolutionary Computation, CEC 2017, Donostia, San Sebastián, Spain, June 5-8, 2017, pages 67–76. IEEE, 2017.
- [5] Kavita Krishnaswamy, Srinivas Moorthy, and Tim Oates. Preliminary survey analysis in participatory design: Repositioning, transferring, and personal care robots. In Bilge Mutlu, Manfred Tscheligi,

- Astrid Weiss, and James E. Young, editors, Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction, HRI 2017, Vienna, Austria, March 6-9, 2017, pages 171–172. ACM, 2017.
- [6] Karan Kumar Budhraja and Tim Oates. Dataset selection for controlling swarms by visual demonstration. In Raju Gottumukkala, Xia Ning, Guozhu Dong, Vijay Raghavan, Srinivas Aluru, George Karypis, Lucio Miele, and Xindong Wu, editors, 2017 IEEE International Conference on Data Mining Workshops, ICDM Workshops 2017, New Orleans, LA, USA, November 18-21, 2017, pages 932-941. IEEE Computer Society, 2017.
- [7] Neha Tilak, Sunil Gandhi, and Tim Oates. Visual entity linking. In 2017 International Joint Conference on Neural Networks, IJCNN 2017, Anchorage, AK, USA, May 14-19, 2017, pages 665-672. IEEE, 2017.
- [8] Zhiguang Wang, Weizhong Yan, and Tim Oates. Time series classification from scratch with deep neural networks: A strong baseline. In 2017 International Joint Conference on Neural Networks, IJCNN 2017, Anchorage, AK, USA, May 14-19, 2017, pages 1578–1585. IEEE, 2017.
- [9] Mandar Haldekar, Ashwinkumar Ganesan, and Tim Oates. Identifying spatial relations in images using convolutional neural networks. In 2017 International Joint Conference on Neural Networks, IJCNN 2017, Anchorage, AK, USA, May 14-19, 2017, pages 3593–3600. IEEE, 2017.
- [10] Arjun Kumar and Tim Oates. Connecting deep neural networks with symbolic knowledge. In 2017 International Joint Conference on Neural Networks, IJCNN 2017, Anchorage, AK, USA, May 14-19, 2017, pages 3601–3608. IEEE, 2017.
- [11] Ali Jafari, Sunil Gandhi, Sri Harsha Konuru, W. David Hairston, Tim Oates, and Tinoosh Mohsenin. An EEG artifact identification embedded system using ICA and multi-instance learning. In *IEEE Interna*tional Symposium on Circuits and Systems, ISCAS 2017, Baltimore, MD, USA, May 28-31, 2017, pages 1-4. IEEE, 2017.
- [12] Kavita Krishnaswamy, Srinivas Moorthy, and Tim Oates. Survey data analysis for repositioning, transferring, and personal care robots. In

- Proceedings of the 10th International Conference on PErvasive Technologies Related to Assistive Environments, PETRA 2017, Island of Rhodes, Greece, June 21-23, 2017, pages 45-51. ACM, 2017.
- [13] Crystal Chen, Arnold P. Boedihardjo, Brian S. Jenkins, Charlotte L. Ellison, Jessica Lin, Pavel Senin, and Tim Oates. STAVIS 2.0: Mining spatial trajectories via motifs. In Michael Gertz, Matthias Renz, Xiaofang Zhou, Erik G. Hoel, Wei-Shinn Ku, Agnès Voisard, Chengyang Zhang, Haiquan Chen, Liang Tang, Yan Huang, Chang-Tien Lu, and Siva Ravada, editors, Advances in Spatial and Temporal Databases 15th International Symposium, SSTD 2017, Arlington, VA, USA, August 21-23, 2017, Proceedings, volume 10411 of Lecture Notes in Computer Science, pages 433-439. Springer, 2017.
- [14] Mandar Haldekar, Ashwinkumar Ganesan, and Tim Oates. Identifying spatial relations in images using convolutional neural networks. *CoRR*, abs/1706.04215, 2017.
- [15] Prutha Date, Ashwinkumar Ganesan, and Tim Oates. Fashioning with networks: Neural style transfer to design clothes. CoRR, abs/1707.09899, 2017.
- [16] J. T. Turner, Adam Page, Tinoosh Mohsenin, and Tim Oates. Deep belief networks used on high resolution multichannel electroencephalography data for seizure detection. CoRR, abs/1708.08430, 2017.
- [17] Zhiguang Wang, Chul Gwon, Tim Oates, and Adam Iezzi. Automated cloud provisioning on AWS using deep reinforcement learning. CoRR, abs/1709.04305, 2017.
- [18] Rémi Eyraud, Jean-Christophe Janodet, Tim Oates, and Frédéric Papadopoulos. Designing and learning substitutable plane graph grammars. Fundam. Inform., 146(4):403–430, 2016.
- [19] Kavita Krishnaswamy, Ravi Kuber, and Tim Oates. Developing a limb repositioning robotic interface for persons with severe physical disabilities. *Universal Access in the Information Society*, 15(4):609–627, 2016.
- [20] Zhiguang Wang, Tim Oates, and James Lo. Adaptive normalized risk-averting training for deep neural networks. In Dale Schuurmans and

- Michael P. Wellman, editors, Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence, February 12-17, 2016, Phoenix, Arizona, USA., pages 2201–2207. AAAI Press, 2016.
- [21] Xing Wang, Jessica Lin, Pavel Senin, Tim Oates, Sunil Gandhi, Arnold P. Boedihardjo, Crystal Chen, and Susan Frankenstein. RPM: representative pattern mining for efficient time series classification. In Evaggelia Pitoura, Sofian Maabout, Georgia Koutrika, Amélie Marian, Letizia Tanca, Ioana Manolescu, and Kostas Stefanidis, editors, Proceedings of the 19th International Conference on Extending Database Technology, EDBT 2016, Bordeaux, France, March 15-16, 2016, Bordeaux, France, March 15-16, 2016., pages 185–196. OpenProceedings.org, 2016.
- [22] Nicholay Topin, Karan K. Budhraja, and Tim Oates. Feature selection in environments with limited voluntary information sharing. In Carlotta Domeniconi, Francesco Gullo, Francesco Bonchi, Josep Domingo-Ferrer, Ricardo A. Baeza-Yates, Zhi-Hua Zhou, and Xindong Wu, editors, IEEE International Conference on Data Mining Workshops, ICDM Workshops 2016, December 12-15, 2016, Barcelona, Spain., pages 576–583. IEEE Computer Society, 2016.
- [23] Bhavani M. Thuraisingham, Murat Kantarcioglu, Kevin W. Hamlen, Latifur Khan, Tim Finin, Anupam Joshi, Tim Oates, and Elisa Bertino. A data driven approach for the science of cyber security: Challenges and directions. In 17th IEEE International Conference on Information Reuse and Integration, IRI 2016, Pittsburgh, PA, USA, July 28-30, 2016, pages 1–10. IEEE Computer Society, 2016.
- [24] Bryan Wilkinson and Tim Oates. A gold standard for scalar adjectives. In Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Sara Goggi, Marko Grobelnik, Bente Maegaard, Joseph Mariani, Hélène Mazo, Asunción Moreno, Jan Odijk, and Stelios Piperidis, editors, Proceedings of the Tenth International Conference on Language Resources and Evaluation LREC 2016, Portorož, Slovenia, May 23-28, 2016. European Language Resources Association (ELRA), 2016.
- [25] Karan K. Budhraja and Tim Oates. Controlling swarms by visual demonstration. In Giacomo Cabri, Gauthier Picard, and Niranjan Suri,

- editors, 10th IEEE International Conference on Self-Adaptive and Self-Organizing Systems, SASO 2016, Augsburg, Germany, September 12-16, 2016, pages 1–10. IEEE Computer Society, 2016.
- [26] Hang Gao and Tim Oates. MDSENT at semeval-2016 task 4: A supervised system for message polarity classification. In Steven Bethard, Daniel M. Cer, Marine Carpuat, David Jurgens, Preslav Nakov, and Torsten Zesch, editors, Proceedings of the 10th International Workshop on Semantic Evaluation, SemEval@NAACL-HLT 2016, San Diego, CA, USA, June 16-17, 2016, pages 139–144. The Association for Computer Linguistics, 2016.
- [27] Karan Kumar Budhraja and Tim Oates. Neuroevolution-based inverse reinforcement learning. *CoRR*, abs/1608.02971, 2016.
- [28] Ashwinkumar Ganesan, Tim Oates, and Matt Schmill. Finding representative points in multivariate data using PCA. CoRR, abs/1610.05819, 2016.
- [29] Zhiguang Wang, Weizhong Yan, and Tim Oates. Time series classification from scratch with deep neural networks: A strong baseline. CoRR, abs/1611.06455, 2016.
- [30] Adam Page, Chris Sagedy, Emily Smith, Nasrin Attaran, Tim Oates, and Tinoosh Mohsenin. A flexible multichannel EEG feature extractor and classifier for seizure detection. *IEEE Trans. on Circuits and Systems*, 62-II(2):109–113, 2015.
- [31] Sunil Gandhi, Tim Oates, Arnold P. Boedihardjo, Crystal Chen, Jessica Lin, Pavel Senin, Susan Frankenstein, and Xing Wang. A generative model for time series discretization based on multiple normal distributions. In Mouna Kacimi, Nicoleta Preda, and Maya Ramanath, editors, Proceedings of the 8th Workshop on Ph.D. Workshop in Information and Knowledge Management, PIKM 2015, Melbourne, Australia, October 19, 2015, pages 19–25. ACM, 2015.
- [32] Pavel Senin, Jessica Lin, Xing Wang, Tim Oates, Sunil Gandhi, Arnold P. Boedihardjo, Crystal Chen, and Susan Frankenstein. Time series anomaly discovery with grammar-based compression. In Gustavo Alonso, Floris Geerts, Lucian Popa, Pablo Barceló, Jens Teubner,

- Martín Ugarte, Jan Van den Bussche, and Jan Paredaens, editors, *Proceedings of the 18th International Conference on Extending Database Technology, EDBT 2015, Brussels, Belgium, March 23-27, 2015.*, pages 481–492. OpenProceedings.org, 2015.
- [33] Adam Page, Siddharth Pramod, Tim Oates, and Tinoosh Mohsenin. An ultra low power feature extraction and classification system for wearable seizure detection. In 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2015, Milan, Italy, August 25-29, 2015, pages 7111-7114. IEEE, 2015.
- [34] Zhiguang Wang and Tim Oates. Pooling sax-bop approaches with boosting to classify multivariate synchronous physiological time series data. In Ingrid Russell and William Eberle, editors, *Proceedings* of the Twenty-Eighth International Florida Artificial Intelligence Research Society Conference, FLAIRS 2015, Hollywood, Florida, USA, May 18-20, 2015., pages 335–341. AAAI Press, 2015.
- [35] Karan Kumar Budhraja and Tim Oates. Adversarial feature selection. In IEEE International Conference on Data Mining Workshop, ICDMW 2015, Atlantic City, NJ, USA, November 14-17, 2015, pages 288–294. IEEE Computer Society, 2015.
- [36] Zhiguang Wang and Tim Oates. Imaging time-series to improve classification and imputation. In Qiang Yang and Michael Wooldridge, editors, Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, July 25-31, 2015, pages 3939–3945. AAAI Press, 2015.
- [37] Zhiguang Wang and Tim Oates. Imaging time-series to improve classification and imputation. CoRR, abs/1506.00327, 2015.
- [38] Zhiguang Wang, Tim Oates, and James Lo. Adaptive normalized risk-averting training for deep neural networks. CoRR, abs/1506.02690, 2015.
- [39] Zhiguang Wang and Tim Oates. Spatially encoding temporal correlations to classify temporal data using convolutional neural networks. CoRR, abs/1509.07481, 2015.

- [40] Xianshu Zhu and Tim Oates. Finding story chains in newswire articles using random walks. *Information Systems Frontiers*, 16(5):753–769, 2014.
- [41] Jeffrey Heinz, Colin de la Higuera, and Tim Oates. Introduction to the special issue on grammatical inference. *Machine Learning*, 96(1-2):1–3, 2014.
- [42] Adam Page, J. T. Turner, Tinoosh Mohsenin, and Tim Oates. Comparing raw data and feature extraction for seizure detection with deep learning methods. In William Eberle and Chutima Boonthum-Denecke, editors, Proceedings of the Twenty-Seventh International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014, Pensacola Beach, Florida, USA, May 21-23, 2014. AAAI Press, 2014.
- [43] Terry H. Tsai, Niels Kasch, Craig Pfeifer, and Tim Oates. Text mining for hypotheses and results in translational medicine studies. In Zhi-Hua Zhou, Wei Wang, Ravi Kumar, Hannu Toivonen, Jian Pei, Joshua Zhexue Huang, and Xindong Wu, editors, 2014 IEEE International Conference on Data Mining Workshops, ICDM Workshops 2014, Shenzhen, China, December 14, 2014, pages 127–132. IEEE Computer Society, 2014.
- [44] Rakesh Deivachilai and Tim Oates. On-line signature verification using symbolic aggregate approximation (SAX) and sequential mining optimization (SMO). In 13th International Conference on Machine Learning and Applications, ICMLA 2014, Detroit, MI, USA, December 3-6, 2014, pages 195–200. IEEE, 2014.
- [45] Zhiguang Wang and Tim Oates. Time warping symbolic aggregation approximation with bag-of-patterns representation for time series classification. In 13th International Conference on Machine Learning and Applications, ICMLA 2014, Detroit, MI, USA, December 3-6, 2014, pages 270–275. IEEE, 2014.
- [46] Pavel Senin, Jessica Lin, Xing Wang, Tim Oates, Sunil Gandhi, Arnold P. Boedihardjo, Crystal Chen, Susan Frankenstein, and Manfred Lerner. Grammarviz 2.0: A tool for grammar-based pattern discovery in time series. In Toon Calders, Floriana Esposito, Eyke Hüllermeier, and Rosa Meo, editors, Machine Learning and Knowledge

- Discovery in Databases European Conference, ECML PKDD 2014, Nancy, France, September 15-19, 2014. Proceedings, Part III, volume 8726 of Lecture Notes in Computer Science, pages 468–472. Springer, 2014.
- [47] Tim Oates, Arnold P. Boedihardjo, Jessica Lin, Crystal Chen, Susan Frankenstein, and Sunil Gandhi. Motif discovery in spatial trajectories using grammar inference. In Qi He, Arun Iyengar, Wolfgang Nejdl, Jian Pei, and Rajeev Rastogi, editors, 22nd ACM International Conference on Information and Knowledge Management, CIKM'13, San Francisco, CA, USA, October 27 November 1, 2013, pages 1465–1468. ACM, 2013.
- [48] Adrian Rosebrock, Tim Oates, and Jesus J. Caban. Ecosembles: A rapidly deployable image classification system using feature-views. In 12th International Conference on Machine Learning and Applications, ICMLA 2013, Miami, FL, USA, December 4-7, 2013, Volume 1, pages 1–8. IEEE, 2013.
- [49] Tongchun Du, Michael T. Cox, Don Perlis, Jared Shamwell, and Tim Oates. From robots to reinforcement learning. In 25th IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2013, Herndon, VA, USA, November 4-6, 2013, pages 540–545. IEEE Computer Society, 2013.
- [50] Paul McNamee, James Mayfield, Tim Finin, Tim Oates, Dawn J. Lawrie, Tan Xu, and Douglas W. Oard. KELVIN: a tool for automated knowledge base construction. In Lucy Vanderwende, Hal Daumé III, and Katrin Kirchhoff, editors, Human Language Technologies: Conference of the North American Chapter of the Association of Computational Linguistics, Proceedings, June 9-14, 2013, Westin Peachtree Plaza Hotel, Atlanta, Georgia, USA, pages 32-35. The Association for Computational Linguistics, 2013.
- [51] Xianshu Zhu and Tim Oates. Finding news story chains based on multidimensional event profiles. In João Ferreira, João Magalhães, and Pável Calado, editors, *Open research Areas in Information Retrieval, OAIR* '13, Lisbon, Portugal, May 15-17, 2013, pages 157–164. ACM, 2013.

- [52] Sarah Finney, Natalia Gardiol, Leslie Pack Kaelbling, and Tim Oates. The thing that we tried didn't work very well: Deictic representation in reinforcement learning. *CoRR*, abs/1301.0567, 2013.
- [53] Nicholas R. Magliocca, Erle C. Ellis, Tim Oates, and Matthew D. Schmill. Contextualizing the global relevance of local land change observations. CoRR, abs/1307.6889, 2013.
- [54] Patricia Ordóñez, Tim Oates, Michael Lombardi, Genaro Hernández, Kathryn W. Holmes, Jim Fackler, and Christoph U. Lehmann. Visualization of multivariate time-series data in a neonatal ICU. *IBM Journal of Research and Development*, 56(5):7, 2012.
- [55] Niyati Chhaya and Tim Oates. Joint inference of soft biometric features. In Anil K. Jain, Arun Ross, Salil Prabhakar, and Jaihie Kim, editors, 5th IAPR International Conference on Biometrics, ICB 2012, New Delhi, India, March 29 April 1, 2012, pages 466–471. IEEE, 2012.
- [56] Preeti Bhargava, Michael T. Cox, Tim Oates, Uran Oh, Matthew Paisner, Donald Perlis, and Jared Shamwell. The robot baby and massive metacognition: Future vision. In 2012 IEEE International Conference on Development and Learning and Epigenetic Robotics, ICDL-EPIROB 2012, San Diego, CA, USA, November 7-9, 2012, pages 1–2. IEEE, 2012.
- [57] Jared Shamwell, Tim Oates, Preeti Bhargava, Michael T. Cox, Uran Oh, Matthew Paisner, and Donald Perlis. The robot baby and massive metacognition: Early steps via growing neural gas. In 2012 IEEE International Conference on Development and Learning and Epigenetic Robotics, ICDL-EPIROB 2012, San Diego, CA, USA, November 7-9, 2012, pages 1–2. IEEE, 2012.
- [58] Tim Oates, Colin F. Mackenzie, Lynn G. Stansbury, Bizhan Aarabi, Deborah M. Stein, and Peter Fu-Ming Hu. Predicting patient outcomes from a few hours of high resolution vital signs data. In 11th International Conference on Machine Learning and Applications, ICMLA, Boca Raton, FL, USA, December 12-15, 2012. Volume 2, pages 192– 197. IEEE, 2012.

- [59] Tim Oates, Colin F. Mackenzie, Deborah M. Stein, Lynn G. Stansbury, Joseph Dubose, Bizhan Aarabi, and Peter Fu-Ming Hu. Exploiting representational diversity for time series classification. In 11th International Conference on Machine Learning and Applications, ICMLA, Boca Raton, FL, USA, December 12-15, 2012. Volume 2, pages 538–544. IEEE, 2012.
- [60] Niels Kasch and Tim Oates. Commonsense knowledge in weblogs: Mining script-like structures from the web. In Petra Perner, editor, Advances in Data Mining. 12th Industrial Conference, ICDM 2012, Berlin, Germany, July 2012, Poster and Industry Proceedings, pages 1–15. IBaI Publishing, 2012.
- [61] Niels Kasch and Tim Oates. Commonsense knowledge in weblogs: Mining script-like structures from the web. In Isabelle Bichindaritz, Petra Perner, Georg Ruß, and Rainer Schmidt, editors, Advances in Data Mining, 12th Industrial Conference, ICDM 2012, Berlin, Germany, July 2012, Workshop Proceedings, Workshop on Case-Based Reasoning CBR-MD 2012, Workshop on Data Mining in Agriculture DMA 2012, Workshop on Data Mining in Life Sciences DMLS 2012, Workshop on Data Mining in Marketing DMM 2012, pages 31–45. IBaI Publishing, 2012.
- [62] Xianshu Zhu and Tim Oates. Finding story chains in newswire articles. In Chengcui Zhang, James Joshi, Elisa Bertino, and Bhavani M. Thuraisingham, editors, *IEEE 13th International Conference on Information Reuse & Integration, IRI 2012, Las Vegas, NV, USA, August 8-10, 2012*, pages 93–100. IEEE, 2012.
- [63] Veselin Stoyanov, James Mayfield, Tan Xu, Douglas W. Oard, Dawn J. Lawrie, Tim Oates, and Tim Finin. A context-aware approach to entity linking. In James Fan, Raphael Hoffman, Aditya Kalyanpur, Sebastian Riedel, Fabian M. Suchanek, and Partha Pratim Talukdar, editors, Proceedings of the Joint Workshop on Automatic Knowledge Base Construction and Web-scale Knowledge Extraction, AKBC-WEKEX@NAACL-HLT 2012, Montrèal, Canada, June 7-8, 2012, pages 62–67. Association for Computational Linguistics, 2012.
- [64] Yuan Li, Jessica Lin, and Tim Oates. Visualizing variable-length time series motifs. In *Proceedings of the Twelfth SIAM International Confer-*

- ence on Data Mining, Anaheim, California, USA, April 26-28, 2012., pages 895–906. SIAM / Omnipress, 2012.
- [65] Jeffrey Heinz, Colin de la Higuera, and Tim Oates. Preface. In Jeffrey Heinz, Colin de la Higuera, and Tim Oates, editors, *Proceedings* of the Eleventh International Conference on Grammatical Inference, ICGI 2012, University of Maryland, College Park, USA, September 5-8, 2012, volume 21 of JMLR Proceedings, pages 1–3. JMLR.org, 2012.
- [66] Rémi Eyraud, Jean-Christophe Janodet, and Tim Oates. Learning substitutable binary plane graph grammars. In Jeffrey Heinz, Colin de la Higuera, and Tim Oates, editors, Proceedings of the Eleventh International Conference on Grammatical Inference, ICGI 2012, University of Maryland, College Park, USA, September 5-8, 2012, volume 21 of JMLR Proceedings, pages 114–128. JMLR.org, 2012.
- [67] Jeffrey Heinz, Colin de la Higuera, and Tim Oates, editors. Proceedings of the Eleventh International Conference on Grammatical Inference, ICGI 2012, University of Maryland, College Park, USA, September 5-8, 2012, volume 21 of JMLR Proceedings. JMLR.org, 2012.
- [68] Paul McNamee, Veselin Stoyanov, James Mayfield, Tim Finin, Tim Oates, Tan Xu, Douglas W. Oard, and Dawn J. Lawrie. HLTCOE participation at TAC 2012: Entity linking and cold start knowledge base construction. In *Proceedings of the Fifth Text Analysis Conference*, TAC 2012, Gaithersburg, Maryland, USA, November 5-6, 2012. NIST, 2012.
- [69] Soumi Ray and Tim Oates. Discovering and characterizing hidden variables using a novel neural network architecture: Lo-net. *J. Robotics*, 2011:193146:1–193146:16, 2011.
- [70] Michael T. Cox, Tim Oates, and Donald Perlis. Toward an integrated metacognitive architecture. In Advances in Cognitive Systems, Papers from the 2011 AAAI Fall Symposium, Arlington, Virginia, USA, November 4-6, 2011, volume FS-11-01 of AAAI Technical Report. AAAI, 2011.
- [71] Tom Armstrong and Tim Oates. An architecture for bootstrapping lexical semantics and grammatical structures. In Jomi Fred Hübner,

- Jean-Marc Petit, and Einoshin Suzuki, editors, Proceedings of the 2011 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology Workshops, WI-IAT 2011, Campus Scientifique de la Doua, Lyon, France, August 22-27, 2011, pages 155–158. IEEE Computer Society, 2011.
- [72] Patricia Ordóñez, Tom Armstrong, Tim Oates, and Jim Fackler. Using modified multivariate bag-of-words models to classify physiological data. In Myra Spiliopoulou, Haixun Wang, Diane J. Cook, Jian Pei, Wei Wang, Osmar R. Zaïane, and Xindong Wu, editors, Data Mining Workshops (ICDMW), 2011 IEEE 11th International Conference on, Vancouver, BC, Canada, December 11, 2011, pages 534–539. IEEE Computer Society, 2011.
- [73] Patricia Ordóñez, Tom Armstrong, Tim Oates, and Jim Fackler. Classification of patients using novel multivariate time series representations of physiological data. In Xue-wen Chen, Tharam S. Dillon, Hisao Ishibuchi, Jian Pei, Haixun Wang, and M. Arif Wani, editors, 10th International Conference on Machine Learning and Applications and Workshops, ICMLA 2011, Honolulu, Hawaii, USA, December 18-21, 2011. Volume 2: Special Sessions and Workshop, pages 172–179. IEEE Computer Society, 2011.
- [74] Soumi Ray and Tim Oates. Improving the discovery and characterization of hidden variables by regularizing the lo-net. In Xue-wen Chen, Tharam S. Dillon, Hisao Ishibuchi, Jian Pei, Haixun Wang, and M. Arif Wani, editors, 10th International Conference on Machine Learning and Applications and Workshops, ICMLA 2011, Honolulu, Hawaii, USA, December 18-21, 2011. Volume 1: Main Conference, pages 442–447. IEEE Computer Society, 2011.
- [75] Matthew D. Schmill and Tim Oates. Managing uncertainty in text-to-sketch tracking problems. In *IEEE 23rd International Conference on Tools with Artificial Intelligence, ICTAI 2011, Boca Raton, FL, USA, November 7-9, 2011*, pages 430–437. IEEE Computer Society, 2011.
- [76] Kavita Krishnaswamy, Jennifer Sleeman, and Tim Oates. Real-time path planning for a robotic arm. In Margrit Betke, Ilias Maglogiannis, and Grammati E. Pantziou, editors, *PETRA 2011*, *The 4th In-*

- ternational Conference on PErvasive Technologies Related to Assistive Environments, Crete, Greece, May 25-27, 2011, page 11. ACM, 2011.
- [77] Niyati Chhaya and Tim Oates. Robust face detection in patient triage images. In Leonid Mestetskiy and José Braz, editors, VISAPP 2011 Proceedings of the Sixth International Conference on Computer Vision Theory and Applications, Vilamoura, Algarve, Portugal, 5-7 March, 2011, pages 326–333. SciTePress, 2011.
- [78] Darsana P. Josyula, Bette J. Donahue, Matthew McCaslin, Michelle Snowden, Michael L. Anderson, Tim Oates, Matthew D. Schmill, and Donald Perlis. Metacognition for detecting and resolving conflicts in operational policies. In *Metacognition for Robust Social Systems, Papers from the 2010 AAAI Workshop, Atlanta, Georgia, USA, July 11, 2010*, volume WS-10-04 of *AAAI Workshops*. AAAI, 2010.
- [79] Hamid Haidarian Shahri, Wikum Dinalankara, Scott Fults, Shomir Wilson, Donald Perlis, Matt Schmill, Tim Oates, Darsana P. Josyula, and Michael L. Anderson. The metacognitive loop: An architecture for building robust intelligent systems. In Commonsense Knowledge, Papers from the 2010 AAAI Fall Symposium, Arlington, Virginia, USA, November 11-13, 2010, volume FS-10-02 of AAAI Technical Report. AAAI, 2010.
- [80] Mark Dredze, Tim Oates, and Christine D. Piatko. We're not in kansas anymore: Detecting domain changes in streams. In *Proceedings of the 2010 Conference on Empirical Methods in Natural Language Processing, EMNLP 2010, 9-11 October 2010, MIT Stata Center, Massachusetts, USA, A meeting of SIGDAT, a Special Interest Group of the ACL*, pages 585–595. ACL, 2010.
- [81] Joshua Jones and Tim Oates. Learning deterministic finite automata from interleaved strings. In José M. Sempere and Pedro García, editors, Grammatical Inference: Theoretical Results and Applications, 10th International Colloquium, ICGI 2010, Valencia, Spain, September 13-16, 2010. Proceedings, volume 6339 of Lecture Notes in Computer Science, pages 80–93. Springer, 2010.
- [82] Soumi Ray and Tim Oates. Discovering and characterizing hidden variables in streaming multivariate time series. In Sorin Draghici,

- Taghi M. Khoshgoftaar, Vasile Palade, Witold Pedrycz, M. Arif Wani, and Xingquan Zhu, editors, *The Ninth International Conference on Machine Learning and Applications, ICMLA 2010, Washington, DC, USA, 12-14 December 2010*, pages 913–916. IEEE Computer Society, 2010.
- [83] Namita Sapre, Mohamed F. Younis, and Tim Oates. Energy efficient node engagement strategies for achieving data fidelity in wireless sensor networks. In *The 35th Annual IEEE Conference on Local Computer Networks, LCN 2010, 10-14 October 2010, Denver, Colorado, USA, Proceedings*, pages 723–729. IEEE Computer Society, 2010.
- [84] Sourav Mukherjee and Tim Oates. Inferring probability distributions of graph size and node degree from stochastic graph grammars. In Proceedings of the SIAM International Conference on Data Mining, SDM 2010, April 29 May 1, 2010, Columbus, Ohio, USA, pages 490–501. SIAM, 2010.
- [85] Jie Bao, Uldis Bojars, Tanzeem Choudhury, Li Ding, Mark Greaves, Ashish Kapoor, Sandy Louchart, Manish Mehta, Bernhard Nebel, Sergei Nirenburg, Tim Oates, David L. Roberts, Antonio Sanfilippo, Nenad Stojanovic, Kristen Stubbs, Andrea Lockerd Thomaz, Katherine M. Tsui, and Stefan Wölfl. Reports of the AAAI 2009 spring symposia. AI Magazine, 30(3):89–95, 2009.
- [86] Sergei Nirenburg and Tim Oates. Organizing committee. In Learning by Reading and Learning to Read, Papers from the 2009 AAAI Spring Symposium, Technical Report SS-09-07, Stanford, California, USA, March 23-25, 2009. AAAI, 2009.
- [87] Sergei Nirenburg and Tim Oates. Preface. In Learning by Reading and Learning to Read, Papers from the 2009 AAAI Spring Symposium, Technical Report SS-09-07, Stanford, California, USA, March 23-25, 2009. AAAI, 2009.
- [88] Deepak Chinavle, Pranam Kolari, Tim Oates, and Tim Finin. Ensembles in adversarial classification for spam. In David Wai-Lok Cheung, Il-Yeol Song, Wesley W. Chu, Xiaohua Hu, and Jimmy J. Lin, editors,

- Proceedings of the 18th ACM Conference on Information and Knowledge Management, CIKM 2009, Hong Kong, China, November 2-6, 2009, pages 2015–2018. ACM, 2009.
- [89] Fusun Yaman, Tim Oates, and Mark H. Burstein. A context driven approach for workflow mining. In Craig Boutilier, editor, *IJCAI 2009*, Proceedings of the 21st International Joint Conference on Artificial Intelligence, Pasadena, California, USA, July 11-17, 2009, pages 1798–1803, 2009.
- [90] Colin de la Higuera, Tim Oates, and Menno van Zaanen. Introduction: Special issue on applications of grammatical inference. *Applied Artificial Intelligence*, 22(1&2):1–3, 2008.
- [91] Jerry Ball, Chris Arney, Samuel G. Collins, Mitchell Marcus, Sergei Nirenburg, Antonio Chella, Kai Goebel, Jason H. Li, Margaret Lyell, Brian Magerko, Riccardo Manzotti, Clayton T. Morrison, Tim Oates, Mark Riedl, Goran Trajkovski, Walt Truszkowski, and N. Serdar Uckun. AAAI fall symposium reports. AI Magazine, 29(1):99–104, 2008.
- [92] Michael L. Anderson, Scott Fults, Darsana P. Josyula, Tim Oates, Donald Perlis, Shomir Wilson, and Dean Wright. A self-help guide for autonomous systems. *AI Magazine*, 29(2):67–73, 2008.
- [93] Tim Oates. A too-clever ranking method. AI Magazine, 29(2):74–76, 2008.
- [94] Tom Armstrong and Tim Oates. Lexical and grammatical inference. In Dieter Fox and Carla P. Gomes, editors, Proceedings of the Twenty-Third AAAI Conference on Artificial Intelligence, AAAI 2008, Chicago, Illinois, USA, July 13-17, 2008, pages 1772–1773. AAAI Press, 2008.
- [95] Marc Pickett, Don Miner, and Tim Oates. Essential phenomena of general intelligence. In Pei Wang, Ben Goertzel, and Stan Franklin, editors, Artificial General Intelligence 2008, Proceedings of the First AGI Conference, AGI 2008, March 1-3, 2008, University of Memphis, Memphis, TN, USA, volume 171 of Frontiers in Artificial Intelligence and Applications, pages 268–274. IOS Press, 2008.

- [96] Tom Armstrong and Tim Oates. Learning in the lexical-grammatical interface. In David Wilson and H. Chad Lane, editors, *Proceedings of the Twenty-First International Florida Artificial Intelligence Research Society Conference, May 15-17, 2008, Coconut Grove, Florida, USA*, pages 23–28. AAAI Press, 2008.
- [97] Tom Armstrong and Tim Oates. Which came first, the grammar or the lexicon? In Alexander Clark, François Coste, and Laurent Miclet, editors, Grammatical Inference: Algorithms and Applications, 9th International Colloquium, ICGI 2008, Saint-Malo, France, September 22-24, 2008, Proceedings, volume 5278 of Lecture Notes in Computer Science, pages 283–285. Springer, 2008.
- [98] Sourav Mukherjee and Tim Oates. Estimating graph parameters using graph grammars. In Alexander Clark, François Coste, and Laurent Miclet, editors, Grammatical Inference: Algorithms and Applications, 9th International Colloquium, ICGI 2008, Saint-Malo, France, September 22-24, 2008, Proceedings, volume 5278 of Lecture Notes in Computer Science, pages 292-294. Springer, 2008.
- [99] Michael L. Anderson and Tim Oates. A review of recent research in metareasoning and metalearning. AI Magazine, 28(1):12–16, 2007.
- [100] Beenish Bhatia, Tim Oates, Yan Xiao, and Peter Fu-Ming Hu. Real-time identification of operating room state from video. In *Proceedings* of the Twenty-Second AAAI Conference on Artificial Intelligence, July 22-26, 2007, Vancouver, British Columbia, Canada, pages 1761–1766. AAAI Press, 2007.
- [101] Tom Armstrong and Tim Oates. UNDERTOW: multi-level segmentation of real-valued time series. In *Proceedings of the Twenty-Second AAAI Conference on Artificial Intelligence, July 22-26, 2007, Vancouver, British Columbia, Canada*, pages 1842–1843. AAAI Press, 2007.
- [102] Marc Pickett and Tim Oates. The marchitecture: A cognitive architecture for a robot baby. In *Proceedings of the Twenty-Second AAAI Conference on Artificial Intelligence, July 22-26, 2007, Vancouver, British Columbia, Canada*, pages 1896–1897. AAAI Press, 2007.

- [103] Michael L. Anderson, Matthew D. Schmill, Tim Oates, Donald Perlis, Darsana P. Josyula, Dean Wright, and Shomir Wilson. Toward domainneutral human-level metacognition. In Logical Formalizations of Commonsense Reasoning, Papers from the 2007 AAAI Spring Symposium, Technical Report SS-07-05, Stanford, California, USA, March 26-28, 2007, pages 1-6. AAAI, 2007.
- [104] Akshay Java, Pranam Kolari, Tim Finin, Anupam Joshi, and Tim Oates. Feeds that matter: A study of bloglines subscriptions. In Natalie S. Glance, Nicolas Nicolov, Eytan Adar, Matthew Hurst, Mark Liberman, and Franco Salvetti, editors, *Proceedings of the First International Conference on Weblogs and Social Media, ICWSM 2007, Boulder, Colorado, USA, March 26-28, 2007*, 2007.
- [105] Sandor Dornbush, Anupam Joshi, Zary Segall, and Tim Oates. A human activity aware learning mobile music player. In Juan Carlos Augusto and Daniel Shapiro, editors, Advances in Ambient Intelligence [best papers from AITamI@IJCAI 2007, Hyderabad, India, January 2007]., volume 164 of Frontiers in Artificial Intelligence and Applications, pages 107–122. IOS Press, 2007.
- [106] Aarti Gupta and Tim Oates. Using ontologies and the web to learn lexical semantics. In Manuela M. Veloso, editor, *IJCAI 2007, Proceedings of the 20th International Joint Conference on Artificial Intelligence, Hyderabad, India, January 6-12, 2007*, pages 1618–1623, 2007.
- [107] Sergei Nirenburg, Tim Oates, and Jesse English. Learning by reading by learning to read. In *Proceedings of the First IEEE International Conference on Semantic Computing (ICSC 2007), September 17-19, 2007, Irvine, California, USA*, pages 694–701. IEEE Computer Society, 2007.
- [108] Tim Oates and Waiyian Chong. Marcus hutter, universal artificial intelligence, springer (2004). *Artif. Intell.*, 170(18):1222–1226, 2006.
- [109] Michael L. Anderson, Tim Oates, Waiyian Chong, and Donald Perlis. The metacognitive loop I: enhancing reinforcement learning with metacognitive monitoring and control for improved perturbation tolerance. I. Exp. Theor. Artif. Intell., 18(3):387–411, 2006.

- [110] Pranam Kolari, Akshay Java, Tim Finin, Tim Oates, and Anupam Joshi. Detecting spam blogs: A machine learning approach. In Proceedings, The Twenty-First National Conference on Artificial Intelligence and the Eighteenth Innovative Applications of Artificial Intelligence Conference, July 16-20, 2006, Boston, Massachusetts, USA, pages 1351–1356. AAAI Press, 2006.
- [111] Jim Blythe, Mithila Patwardhan, Tim Oates, Marie des Jardins, and Penny Rheingans. Visualization support for fusing relational, spatiotemporal data: Building career histories. In 9th International Conference on Information Fusion, FUSION 2006, Florence, Italy, July 10-13, 2006, pages 1–7. IEEE, 2006.
- [112] Tim Oates, Tom Armstrong, Leonor Becerra-Bonache, and Mike Atamas. Inferring grammars for mildly context sensitive languages in polynomial-time. In Yasubumi Sakakibara, Satoshi Kobayashi, Kengo Sato, Tetsuro Nishino, and Etsuji Tomita, editors, Grammatical Inference: Algorithms and Applications, 8th International Colloquium, ICGI 2006, Tokyo, Japan, September 20-22, 2006, Proceedings, volume 4201 of Lecture Notes in Computer Science, pages 137–147. Springer, 2006.
- [113] Joe Catalano, Tom Armstrong, and Tim Oates. Discovering patterns in real-valued time series. In Johannes Fürnkranz, Tobias Scheffer, and Myra Spiliopoulou, editors, Knowledge Discovery in Databases: PKDD 2006, 10th European Conference on Principles and Practice of Knowledge Discovery in Databases, Berlin, Germany, September 18-22, 2006, Proceedings, volume 4213 of Lecture Notes in Computer Science, pages 462-469. Springer, 2006.
- [114] Tim Oates. R. siegwart and i. nourbakhsh, introduction to autonomous mobile robots, MIT press (2004). *Artif. Intell.*, 169(2):146–149, 2005.
- [115] Michael L. Anderson, Thomas Barkowsky, Pauline Berry, Douglas S. Blank, Timothy Chklovski, Pedro M. Domingos, Marek J. Druzdzel, Christian Freksa, John Gersh, Mary Hegarty, Tze-Yun Leong, Henry Lieberman, Ric K. Lowe, Susann Luperfoy, Rada Mihalcea, Lisa Meeden, David P. Miller, Tim Oates, Robert L. Popp, Daniel G. Shapiro, Nathan Schurr, Push Singh, and John Yen. Reports on the 2005 AAAI spring symposium series. *AI Magazine*, 26(2):87–92, 2005.

- [116] Thomas Briggs and Tim Oates. Discovering domain-specific composite kernels. In Manuela M. Veloso and Subbarao Kambhampati, editors, Proceedings, The Twentieth National Conference on Artificial Intelligence and the Seventeenth Innovative Applications of Artificial Intelligence Conference, July 9-13, 2005, Pittsburgh, Pennsylvania, USA, pages 732–738. AAAI Press / The MIT Press, 2005.
- [117] William Krueger, Tim Oates, Tom Armstrong, Paul R. Cohen, and Carole R. Beal. Transfer in learning by doing. In Leslie Pack Kaelbling and Alessandro Saffiotti, editors, IJCAI-05, Proceedings of the Nineteenth International Joint Conference on Artificial Intelligence, Edinburgh, Scotland, UK, July 30 August 5, 2005, pages 1618–1619. Professional Book Center, 2005.
- [118] Marc Pickett and Tim Oates. The cruncher: Automatic concept formation using minimum description length. In Jean-Daniel Zucker and Lorenza Saitta, editors, Abstraction, Reformulation and Approximation, 6th International Symposium, SARA 2005, Airth Castle, Scotland, UK, July 26-29, 2005, Proceedings, volume 3607 of Lecture Notes in Computer Science, pages 282–289. Springer, 2005.
- [119] Mike Anderson and Tim Oates, editors. 2005 AAAI Spring Symposium on Metacognition in Computation, March 21-23 2005, Stanford, California, USA, volume SS-05-04 of AAAI Technical Report. AAAI Press, 2005.
- [120] Lola Cañamero, Zachary Dodds, Lloyd G. Greenwald, James P. Gunderson, Ayanna M. Howard, Eva Hudlicka, Cheryl E. Martin, Lynn Parker, Tim Oates, Terry R. Payne, Yan Qu, Craig Schlenoff, James G. Shanahan, Sheila Tejada, Jerry B. Weinberg, and Janyce Wiebe. The 2004 AAAI spring symposium series. AI Magazine, 25(4):95–100, 2004.
- [121] Vinay Bhat, Tim Oates, Vishal Shanbhag, and Charles K. Nicholas. Finding aliases on the web using latent semantic analysis. *Data Knowl. Eng.*, 49(2):129–143, 2004.
- [122] Tim Oates, Tom Armstrong, Justin Harris, and Mark Nejman. On the relationship between lexical semantics and syntax for the inference of context-free grammars. In Deborah L. McGuinness and George Ferguson, editors, *Proceedings of the Nineteenth National Conference on*

- Artificial Intelligence, Sixteenth Conference on Innovative Applications of Artificial Intelligence, July 25-29, 2004, San Jose, California, USA, pages 431–436. AAAI Press / The MIT Press, 2004.
- [123] Vivek Tawde, Tim Oates, and Eric J. Glover. Generating web graphs with embedded communities. In Stefano Leonardi, editor, Algorithms and Models for the Web-Graph: Third International Workshop, WAW 2004, Rome, Italy, October 16, 2004, Proceedings, volume 3243 of Lecture Notes in Computer Science, pages 80–91. Springer, 2004.
- [124] William Krueger, Jonathan Nilsson, Tim Oates, and Timothy W. Finin. Automatically generated DAML markup for semistructured documents. In Ludger van Elst, Virginia Dignum, and Andreas Abecker, editors, Agent Mediated Knowledge Management, International Symposium AMKM 2003, Stanford, CA, USA, March 24-26, 2003, Revised and Invited Papers, volume 2926 of Lecture Notes in Computer Science, pages 276–287. Springer, 2003.
- [125] Tim Oates, Tom Armstrong, Justin Harris, and Mark Nejman. Leveraging lexical semantics to infer context-free grammars. In Colin de la Higuera, Pieter W. Adriaans, Menno van Zaanen, and José Oncina, editors, Proceedings of the Workshop and Tutorial on Learning Contex-Free Grammars, ECML 2003, Cavtat-Dubrovnik, Croatia, September 22-26, 2003, pages 65–76. Ruder Boskovic Institute, Zagreb, Croatia, 2003.
- [126] Tim Oates, Shailesh Doshi, and Fang Huang. Estimating maximum likelihood parameters for stochastic context-free graph grammars. In Tamás Horváth, editor, *Inductive Logic Programming: 13th International Conference, ILP 2003, Szeged, Hungary, September 29-October 1, 2003, Proceedings*, volume 2835 of *Lecture Notes in Computer Science*, pages 281–298. Springer, 2003.
- [127] Paul R. Cohen, Tim Oates, Carole R. Beal, and Niall M. Adams. Contentful mental states for robot baby. In Rina Dechter, Michael J. Kearns, and Richard S. Sutton, editors, Proceedings of the Eighteenth National Conference on Artificial Intelligence and Fourteenth Conference on Innovative Applications of Artificial Intelligence, July 28 August 1, 2002, Edmonton, Alberta, Canada., pages 126–131. AAAI Press / The MIT Press, 2002.

- [128] Tim Oates. PERUSE: an unsupervised algorithm for finding recurring patterns in time series. In *Proceedings of the 2002 IEEE International Conference on Data Mining (ICDM 2002), 9-12 December 2002, Maebashi City, Japan*, pages 330–337. IEEE Computer Society, 2002.
- [129] Tim Oates and Brent Heeringa. Estimating grammar parameters using bounded memory. In Pieter W. Adriaans, Henning Fernau, and Menno van Zaanen, editors, Grammatical Inference: Algorithms and Applications, 6th International Colloquium: ICGI 2002, Amsterdam, The Netherlands, September 23-25, 2002, Proceedings, volume 2484 of Lecture Notes in Computer Science, pages 185–198. Springer, 2002.
- [130] Tim Oates, Devina Desai, and Vinay Bhat. Learning k-reversible context-free grammars from positive structural examples. In Claude Sammut and Achim G. Hoffmann, editors, *Machine Learning, Proceedings of the Nineteenth International Conference (ICML 2002), University of New South Wales, Sydney, Australia, July 8-12, 2002*, pages 459–465. Morgan Kaufmann, 2002.
- [131] Sarah Finney, Natalia Gardiol, Leslie Pack Kaelbling, and Tim Oates. The thing that we tried didn't work very well: Deictic representation in reinforcement learning. In Adnan Darwiche and Nir Friedman, editors, UAI '02, Proceedings of the 18th Conference in Uncertainty in Artificial Intelligence, University of Alberta, Edmonton, Alberta, Canada, August 1-4, 2002, pages 154–161. Morgan Kaufmann, 2002.
- [132] Tim Oates, Vinay Bhat, and Vishal Shanbhag. Using latent semantic analysis to find different names for the same entity in free text. In Roger H. L. Chiang and Ee-Peng Lim, editors, Fourth ACM CIKM International Workshop on Web Information and Data Management (WIDM 2002), SAIC Headquaters, McLean, Virginia, USA, November 8, 2002, pages 31–35. ACM, 2002.
- [133] Gary W. King and Tim Oates. The importance of being discrete: Learning classes of actions and outcomes through interaction. In Eleni Stroulia and Stan Matwin, editors, Advances in Artificial Intelligence, 14th Biennial Conference of the Canadian Society for Computational Studies of Intelligence, AI 2001, Ottawa, Canada, June 7-9, 2001, Proceedings, volume 2056 of Lecture Notes in Computer Science, pages 236–245. Springer, 2001.

- [134] Paul R. Cohen, Tim Oates, Niall M. Adams, and Carole R. Beal. Robot baby 2001. In Naoki Abe, Roni Khardon, and Thomas Zeugmann, editors, Algorithmic Learning Theory, 12th International Conference, ALT 2001, Washington, DC, USA, November 25-28, 2001, Proceedings, volume 2225 of Lecture Notes in Computer Science, pages 32-56. Springer, 2001.
- [135] Paul R. Cohen, Tim Oates, Niall M. Adams, and Carole R. Beal. Robot baby 2001. In Klaus P. Jantke and Ayumi Shinohara, editors, Discovery Science, 4th International Conference, DS 2001, Washington, DC, USA, November 25-28, 2001, Proceedings, volume 2226 of Lecture Notes in Computer Science, page 29. Springer, 2001.
- [136] Tim Oates, Laura Firoiu, and Paul R. Cohen. Using dynamic time warping to bootstrap hmm-based clustering of time series. In Ron Sun and C. Lee Giles, editors, Sequence Learning Paradigms, Algorithms, and Applications, volume 1828 of Lecture Notes in Computer Science, pages 35–52. Springer, 2001.
- [137] Tim Oates, Matthew D. Schmill, and Paul R. Cohen. A method for clustering the experiences of a mobile robot that accords with human judgments. In Henry A. Kautz and Bruce W. Porter, editors, Proceedings of the Seventeenth National Conference on Artificial Intelligence and Twelfth Conference on on Innovative Applications of Artificial Intelligence, July 30 August 3, 2000, Austin, Texas, USA., pages 846–851. AAAI Press / The MIT Press, 2000.
- [138] Tim Oates, Matthew D. Schmill, and Paul R. Cohen. Identifying qualitatively different outcomes of actions: gaining autonomy through learning. In Carles Sierra, Maria L. Gini, and Jeffrey S. Rosenschein, editors, Proceedings of the Fourth International Conference on Autonomous Agents, AGENTS 2000, Barcelona, Catalonia, Spain, June 3-7, 2000, pages 110–111. ACM, 2000.
- [139] Tim Oates, Zachary Eyler-Walker, and Paul R. Cohen. Toward natural language interfaces for robotic agents: grounding linguistic meaning in sensors. In Carles Sierra, Maria L. Gini, and Jeffrey S. Rosenschein, editors, *Proceedings of the Fourth International Conference on Autonomous Agents, AGENTS 2000, Barcelona, Catalonia, Spain, June 3-7, 2000*, pages 227–228. ACM, 2000.

- [140] Matthew D. Schmill, Tim Oates, and Paul R. Cohen. Learning planning operators in real-world, partially observable environments. In Steve A. Chien, Subbarao Kambhampati, and Craig A. Knoblock, editors, Proceedings of the Fifth International Conference on Artificial Intelligence Planning Systems, Breckenridge, CO, USA, April 14-17, 2000, pages 246–253. AAAI, 2000.
- [141] Tim Oates and David D. Jensen. Toward a theoretical understanding of why and when decision tree pruning algorithms fail. In Jim Hendler and Devika Subramanian, editors, Proceedings of the Sixteenth National Conference on Artificial Intelligence and Eleventh Conference on Innovative Applications of Artificial Intelligence, July 18-22, 1999, Orlando, Florida, USA., pages 372–378. AAAI Press / The MIT Press, 1999.
- [142] Tim Oates, Matthew D. Schmill, Paul R. Cohen, and Casey Durfee. Efficient mining of statistical dependencies. In David Heckerman and Joe Whittaker, editors, *Proceedings of the Seventh International Workshop on Artificial Intelligence and Statistics, AISTATS 1999, Fort Lauderdale, Florida, USA, January 3-6, 1999.* Society for Artificial Intelligence and Statistics, 1999.
- [143] Matthew D. Schmill, Tim Oates, and Paul R. Cohen. Learned models for continuous planning. In David Heckerman and Joe Whittaker, editors, Proceedings of the Seventh International Workshop on Artificial Intelligence and Statistics, AISTATS 1999, Fort Lauderdale, Florida, USA, January 3-6, 1999. Society for Artificial Intelligence and Statistics, 1999.
- [144] Tim Oates, Matthew D. Schmill, and Paul R. Cohen. Efficient mining of statistical dependencies. In Thomas Dean, editor, *Proceedings of the Sixteenth International Joint Conference on Artificial Intelligence, IJCAI 99, Stockholm, Sweden, July 31 August 6, 1999. 2 Volumes, 1450 pages*, pages 794–799. Morgan Kaufmann, 1999.
- [145] Foster J. Provost, David D. Jensen, and Tim Oates. Efficient progressive sampling. In Usama M. Fayyad, Surajit Chaudhuri, and David Madigan, editors, Proceedings of the Fifth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, San Diego, CA, USA, August 15-18, 1999, pages 23-32. ACM, 1999.

- [146] Tim Oates. Identifying distinctive subsequences in multivariate time series by clustering. In Usama M. Fayyad, Surajit Chaudhuri, and David Madigan, editors, Proceedings of the Fifth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, San Diego, CA, USA, August 15-18, 1999, pages 322–326. ACM, 1999.
- [147] Laura Firoiu, Tim Oates, and Paul R. Cohen. Learning deterministic finite automaton with a recurrent neural network. In Vasant G. Honavar and Giora Slutzki, editors, Grammatical Inference, 4th International Colloquium, ICGI-98, Ames, Iowa, USA, July 12-14, 1998, Proceedings, volume 1433 of Lecture Notes in Computer Science, pages 90–101. Springer, 1998.
- [148] Tim Oates and David D. Jensen. Large datasets lead to overly complex models: An explanation and a solution. In Rakesh Agrawal, Paul E. Stolorz, and Gregory Piatetsky-Shapiro, editors, *Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining (KDD-98), New York City, New York, USA, August 27-31, 1998*, pages 294–298. AAAI Press, 1998.
- [149] Tim Oates, M. V. Nagendra Prasad, and Victor R. Lesser. Cooperative information-gathering: a distributed problem-solving approach. Software Engineering - IEE Proceedings, 144(1):72–88, 1997.
- [150] Paul R. Cohen, Marc S. Atkin, Tim Oates, and Carole R. Beal. Neo: Learning conceptual knowledge by sensorimotor interaction with an environment. In W. Lewis Johnson, editor, *Proceedings of the First International Conference on Autonomous Agents, AGENTS 1997, Marina del Rey, California, USA, February 5-8, 1997*, pages 170–177. ACM, 1997.
- [151] Tim Oates, Matthew D. Schmill, and Paul R. Cohen. Parallel and distributed search for structure in multivariate time series. In Maarten van Someren and Gerhard Widmer, editors, Machine Learning: ECML-97, 9th European Conference on Machine Learning, Prague, Czech Republic, April 23-25, 1997, Proceedings, volume 1224 of Lecture Notes in Computer Science, pages 191–198. Springer, 1997.
- [152] Tim Oates and David D. Jensen. The effects of training set size on decision tree complexity. In Douglas H. Fisher, editor, *Proceedings of*

- the Fourteenth International Conference on Machine Learning (ICML 1997), Nashville, Tennessee, USA, July 8-12, 1997, pages 254–262. Morgan Kaufmann, 1997.
- [153] David D. Jensen, Tim Oates, and Paul R. Cohen. Building simple models: A case study with decision trees. In Xiaohui Liu, Paul R. Cohen, and Michael R. Berthold, editors, Advances in Intelligent Data Analysis, Reasoning about Data, Second International Symposium, IDA-97, London, UK, August 4-6, 1997, Proceedings, volume 1280 of Lecture Notes in Computer Science, pages 211–222. Springer, 1997.
- [154] Tim Oates and Paul R. Cohen. Searching for planning operators with context-dependent and probabilistic effects. In William J. Clancey and Daniel S. Weld, editors, Proceedings of the Thirteenth National Conference on Artificial Intelligence and Eighth Innovative Applications of Artificial Intelligence Conference, AAAI 96, IAAI 96, Portland, Oregon, USA, August 4-8, 1996, Volume 1., pages 863–868. AAAI Press / The MIT Press, 1996.
- [155] Tim Oates and Paul R. Cohen. Searching for structure in multiple streams of data. In Lorenza Saitta, editor, *Machine Learning, Proceedings of the Thirteenth International Conference (ICML '96)*, Bari, Italy, July 3-6, 1996, pages 346–354. Morgan Kaufmann, 1996.
- [156] Tim Oates, Matthew D. Schmill, Dawn E. Gregory, and Paul R. Cohen. Detecting complex dependencies in categorical data. In Doug Fisher and Hans-Joachim Lenz, editors, Learning from Data Fifth International Workshop on Artificial Intelligence and Statistics, AISTATS 1995, Key West, Florida, USA, January, 1995. Proceedings., pages 185–195. Springer, 1995.
- [157] Matthew D. Schmill, Tim Oates, and Paul R. Cohen. Tools for detecting dependencies in AI systems. In Seventh International Conference on Tools with Artificial Intelligence, ICTAI '95, Herndon, VA, USA, November 5-8, 1995, pages 148–155. IEEE Computer Society, 1995.
- [158] Tim Oates and Paul R. Cohen. Toward a plan steering agent: Experiments with schedule maintenance. In Kristian J. Hammond, editor,

- Proceedings of the Second International Conference on Artificial Intelligence Planning Systems, University of Chicago, Chicago, Illinois, USA, June 13-15, 1994, pages 134–139. AAAI, 1994.
- [159] Dinh Q. Phung, Vincent S. Tseng, Geoffrey I. Webb, Bao Ho, Mohadeseh Ganji, and Lida Rashidi, editors. Advances in Knowledge Discovery and Data Mining 22nd Pacific-Asia Conference, PAKDD 2018, Melbourne, VIC, Australia, June 3-6, 2018, Proceedings, Part III, volume 10939 of Lecture Notes in Computer Science. Springer, 2018.
- [160] 2017 IEEE Congress on Evolutionary Computation, CEC 2017, Donostia, San Sebastián, Spain, June 5-8, 2017. IEEE, 2017.
- [161] Bilge Mutlu, Manfred Tscheligi, Astrid Weiss, and James E. Young, editors. Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction, HRI 2017, Vienna, Austria, March 6-9, 2017. ACM, 2017.
- [162] Raju Gottumukkala, Xia Ning, Guozhu Dong, Vijay Raghavan, Srinivas Aluru, George Karypis, Lucio Miele, and Xindong Wu, editors. 2017 IEEE International Conference on Data Mining Workshops, ICDM Workshops 2017, New Orleans, LA, USA, November 18-21, 2017. IEEE Computer Society, 2017.
- [163] 2017 International Joint Conference on Neural Networks, IJCNN 2017, Anchorage, AK, USA, May 14-19, 2017. IEEE, 2017.
- [164] IEEE International Symposium on Circuits and Systems, ISCAS 2017, Baltimore, MD, USA, May 28-31, 2017. IEEE, 2017.
- [165] Proceedings of the 10th International Conference on PErvasive Technologies Related to Assistive Environments, PETRA 2017, Island of Rhodes, Greece, June 21-23, 2017. ACM, 2017.
- [166] Michael Gertz, Matthias Renz, Xiaofang Zhou, Erik G. Hoel, Wei-Shinn Ku, Agnès Voisard, Chengyang Zhang, Haiquan Chen, Liang Tang, Yan Huang, Chang-Tien Lu, and Siva Ravada, editors. Advances in Spatial and Temporal Databases 15th International Symposium, SSTD 2017, Arlington, VA, USA, August 21-23, 2017, Proceedings, volume 10411 of Lecture Notes in Computer Science. Springer, 2017.

- [167] Dale Schuurmans and Michael P. Wellman, editors. Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence, February 12-17, 2016, Phoenix, Arizona, USA. AAAI Press, 2016.
- [168] Evaggelia Pitoura, Sofian Maabout, Georgia Koutrika, Amélie Marian, Letizia Tanca, Ioana Manolescu, and Kostas Stefanidis, editors. Proceedings of the 19th International Conference on Extending Database Technology, EDBT 2016, Bordeaux, France, March 15-16, 2016, Bordeaux, France, March 15-16, 2016. OpenProceedings.org, 2016.
- [169] Carlotta Domeniconi, Francesco Gullo, Francesco Bonchi, Josep Domingo-Ferrer, Ricardo A. Baeza-Yates, Zhi-Hua Zhou, and Xindong Wu, editors. IEEE International Conference on Data Mining Workshops, ICDM Workshops 2016, December 12-15, 2016, Barcelona, Spain. IEEE Computer Society, 2016.
- [170] 17th IEEE International Conference on Information Reuse and Integration, IRI 2016, Pittsburgh, PA, USA, July 28-30, 2016. IEEE Computer Society, 2016.
- [171] Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Sara Goggi, Marko Grobelnik, Bente Maegaard, Joseph Mariani, Hélène Mazo, Asunción Moreno, Jan Odijk, and Stelios Piperidis, editors. Proceedings of the Tenth International Conference on Language Resources and Evaluation LREC 2016, Portorož, Slovenia, May 23-28, 2016. European Language Resources Association (ELRA), 2016.
- [172] Giacomo Cabri, Gauthier Picard, and Niranjan Suri, editors. 10th IEEE International Conference on Self-Adaptive and Self-Organizing Systems, SASO 2016, Augsburg, Germany, September 12-16, 2016. IEEE Computer Society, 2016.
- [173] Steven Bethard, Daniel M. Cer, Marine Carpuat, David Jurgens, Preslav Nakov, and Torsten Zesch, editors. Proceedings of the 10th International Workshop on Semantic Evaluation, SemEval@NAACL-HLT 2016, San Diego, CA, USA, June 16-17, 2016. The Association for Computer Linguistics, 2016.
- [174] Mouna Kacimi, Nicoleta Preda, and Maya Ramanath, editors. Proceedings of the 8th Workshop on Ph.D. Workshop in Information and

- Knowledge Management, PIKM 2015, Melbourne, Australia, October 19, 2015. ACM, 2015.
- [175] Gustavo Alonso, Floris Geerts, Lucian Popa, Pablo Barceló, Jens Teubner, Martín Ugarte, Jan Van den Bussche, and Jan Paredaens, editors. Proceedings of the 18th International Conference on Extending Database Technology, EDBT 2015, Brussels, Belgium, March 23-27, 2015. OpenProceedings.org, 2015.
- [176] 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2015, Milan, Italy, August 25-29, 2015. IEEE, 2015.
- [177] Ingrid Russell and William Eberle, editors. Proceedings of the Twenty-Eighth International Florida Artificial Intelligence Research Society Conference, FLAIRS 2015, Hollywood, Florida, USA, May 18-20, 2015. AAAI Press, 2015.
- [178] IEEE International Conference on Data Mining Workshop, ICDMW 2015, Atlantic City, NJ, USA, November 14-17, 2015. IEEE Computer Society, 2015.
- [179] Qiang Yang and Michael Wooldridge, editors. Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, July 25-31, 2015. AAAI Press, 2015.
- [180] William Eberle and Chutima Boonthum-Denecke, editors. Proceedings of the Twenty-Seventh International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014, Pensacola Beach, Florida, USA, May 21-23, 2014. AAAI Press, 2014.
- [181] Zhi-Hua Zhou, Wei Wang, Ravi Kumar, Hannu Toivonen, Jian Pei, Joshua Zhexue Huang, and Xindong Wu, editors. 2014 IEEE International Conference on Data Mining Workshops, ICDM Workshops 2014, Shenzhen, China, December 14, 2014. IEEE Computer Society, 2014.
- [182] 13th International Conference on Machine Learning and Applications, ICMLA 2014, Detroit, MI, USA, December 3-6, 2014. IEEE, 2014.

- [183] Toon Calders, Floriana Esposito, Eyke Hüllermeier, and Rosa Meo, editors. Machine Learning and Knowledge Discovery in Databases European Conference, ECML PKDD 2014, Nancy, France, September 15-19, 2014. Proceedings, Part III, volume 8726 of Lecture Notes in Computer Science. Springer, 2014.
- [184] Qi He, Arun Iyengar, Wolfgang Nejdl, Jian Pei, and Rajeev Rastogi, editors. 22nd ACM International Conference on Information and Knowledge Management, CIKM'13, San Francisco, CA, USA, October 27 November 1, 2013. ACM, 2013.
- [185] 12th International Conference on Machine Learning and Applications, ICMLA 2013, Miami, FL, USA, December 4-7, 2013, Volume 1. IEEE, 2013.
- [186] 25th IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2013, Herndon, VA, USA, November 4-6, 2013. IEEE Computer Society, 2013.
- [187] Lucy Vanderwende, Hal Daumé III, and Katrin Kirchhoff, editors. Human Language Technologies: Conference of the North American Chapter of the Association of Computational Linguistics, Proceedings, June 9-14, 2013, Westin Peachtree Plaza Hotel, Atlanta, Georgia, USA. The Association for Computational Linguistics, 2013.
- [188] João Ferreira, João Magalhães, and Pável Calado, editors. Open research Areas in Information Retrieval, OAIR '13, Lisbon, Portugal, May 15-17, 2013. ACM, 2013.
- [189] Anil K. Jain, Arun Ross, Salil Prabhakar, and Jaihie Kim, editors. 5th IAPR International Conference on Biometrics, ICB 2012, New Delhi, India, March 29 April 1, 2012. IEEE, 2012.
- [190] 2012 IEEE International Conference on Development and Learning and Epigenetic Robotics, ICDL-EPIROB 2012, San Diego, CA, USA, November 7-9, 2012. IEEE, 2012.
- [191] 11th International Conference on Machine Learning and Applications, ICMLA, Boca Raton, FL, USA, December 12-15, 2012. Volume 2. IEEE, 2012.

- [192] Petra Perner, editor. Advances in Data Mining. 12th Industrial Conference, ICDM 2012, Berlin, Germany, July 2012, Poster and Industry Proceedings. IBaI Publishing, 2012.
- [193] Isabelle Bichindaritz, Petra Perner, Georg Ruß, and Rainer Schmidt, editors. Advances in Data Mining, 12th Industrial Conference, ICDM 2012, Berlin, Germany, July 2012, Workshop Proceedings, Workshop on Case-Based Reasoning CBR-MD 2012, Workshop on Data Mining in Agriculture DMA 2012, Workshop on Data Mining in Life Sciences DMLS 2012, Workshop on Data Mining in Marketing DMM 2012. IBaI Publishing, 2012.
- [194] Chengcui Zhang, James Joshi, Elisa Bertino, and Bhavani M. Thuraisingham, editors. *IEEE 13th International Conference on Information Reuse & Integration, IRI 2012, Las Vegas, NV, USA, August 8-10, 2012.* IEEE, 2012.
- [195] James Fan, Raphael Hoffman, Aditya Kalyanpur, Sebastian Riedel, Fabian M. Suchanek, and Partha Pratim Talukdar, editors. Proceedings of the Joint Workshop on Automatic Knowledge Base Construction and Web-scale Knowledge Extraction, AKBC-WEKEX@NAACL-HLT 2012, Montrèal, Canada, June 7-8, 2012. Association for Computational Linguistics, 2012.
- [196] Proceedings of the Twelfth SIAM International Conference on Data Mining, Anaheim, California, USA, April 26-28, 2012. SIAM / Omnipress, 2012.
- [197] Jeffrey Heinz, Colin de la Higuera, and Tim Oates, editors. Proceedings of the Eleventh International Conference on Grammatical Inference, ICGI 2012, University of Maryland, College Park, USA, September 5-8, 2012, volume 21 of JMLR Proceedings. JMLR.org, 2012.
- [198] Proceedings of the Fifth Text Analysis Conference, TAC 2012, Gaithersburg, Maryland, USA, November 5-6, 2012. NIST, 2012.
- [199] Advances in Cognitive Systems, Papers from the 2011 AAAI Fall Symposium, Arlington, Virginia, USA, November 4-6, 2011, volume FS-11-01 of AAAI Technical Report. AAAI, 2011.

- [200] Jomi Fred Hübner, Jean-Marc Petit, and Einoshin Suzuki, editors. Proceedings of the 2011 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology Workshops, WI-IAT 2011, Campus Scientifique de la Doua, Lyon, France, August 22-27, 2011. IEEE Computer Society, 2011.
- [201] Myra Spiliopoulou, Haixun Wang, Diane J. Cook, Jian Pei, Wei Wang, Osmar R. Zaïane, and Xindong Wu, editors. *Data Mining Workshops* (ICDMW), 2011 IEEE 11th International Conference on, Vancouver, BC, Canada, December 11, 2011. IEEE Computer Society, 2011.
- [202] Xue-wen Chen, Tharam S. Dillon, Hisao Ishibuchi, Jian Pei, Haixun Wang, and M. Arif Wani, editors. 10th International Conference on Machine Learning and Applications and Workshops, ICMLA 2011, Honolulu, Hawaii, USA, December 18-21, 2011. Volume 2: Special Sessions and Workshop. IEEE Computer Society, 2011.
- [203] Xue-wen Chen, Tharam S. Dillon, Hisao Ishibuchi, Jian Pei, Haixun Wang, and M. Arif Wani, editors. 10th International Conference on Machine Learning and Applications and Workshops, ICMLA 2011, Honolulu, Hawaii, USA, December 18-21, 2011. Volume 1: Main Conference. IEEE Computer Society, 2011.
- [204] IEEE 23rd International Conference on Tools with Artificial Intelligence, ICTAI 2011, Boca Raton, FL, USA, November 7-9, 2011. IEEE Computer Society, 2011.
- [205] Margrit Betke, Ilias Maglogiannis, and Grammati E. Pantziou, editors. PETRA 2011, The 4th International Conference on PErvasive Technologies Related to Assistive Environments, Crete, Greece, May 25-27, 2011. ACM, 2011.
- [206] Leonid Mestetskiy and José Braz, editors. VISAPP 2011 Proceedings of the Sixth International Conference on Computer Vision Theory and Applications, Vilamoura, Algarve, Portugal, 5-7 March, 2011. SciTePress, 2011.
- [207] Metacognition for Robust Social Systems, Papers from the 2010 AAAI Workshop, Atlanta, Georgia, USA, July 11, 2010, volume WS-10-04 of AAAI Workshops. AAAI, 2010.

- [208] Commonsense Knowledge, Papers from the 2010 AAAI Fall Symposium, Arlington, Virginia, USA, November 11-13, 2010, volume FS-10-02 of AAAI Technical Report. AAAI, 2010.
- [209] Proceedings of the 2010 Conference on Empirical Methods in Natural Language Processing, EMNLP 2010, 9-11 October 2010, MIT Stata Center, Massachusetts, USA, A meeting of SIGDAT, a Special Interest Group of the ACL. ACL, 2010.
- [210] José M. Sempere and Pedro García, editors. Grammatical Inference: Theoretical Results and Applications, 10th International Colloquium, ICGI 2010, Valencia, Spain, September 13-16, 2010. Proceedings, volume 6339 of Lecture Notes in Computer Science. Springer, 2010.
- [211] Sorin Draghici, Taghi M. Khoshgoftaar, Vasile Palade, Witold Pedrycz, M. Arif Wani, and Xingquan Zhu, editors. The Ninth International Conference on Machine Learning and Applications, ICMLA 2010, Washington, DC, USA, 12-14 December 2010. IEEE Computer Society, 2010.
- [212] The 35th Annual IEEE Conference on Local Computer Networks, LCN 2010, 10-14 October 2010, Denver, Colorado, USA, Proceedings. IEEE Computer Society, 2010.
- [213] Proceedings of the SIAM International Conference on Data Mining, SDM 2010, April 29 May 1, 2010, Columbus, Ohio, USA. SIAM, 2010.
- [214] Learning by Reading and Learning to Read, Papers from the 2009 AAAI Spring Symposium, Technical Report SS-09-07, Stanford, California, USA, March 23-25, 2009. AAAI, 2009.
- [215] David Wai-Lok Cheung, Il-Yeol Song, Wesley W. Chu, Xiaohua Hu, and Jimmy J. Lin, editors. *Proceedings of the 18th ACM Conference on Information and Knowledge Management, CIKM 2009, Hong Kong, China, November 2-6, 2009.* ACM, 2009.
- [216] Craig Boutilier, editor. IJCAI 2009, Proceedings of the 21st International Joint Conference on Artificial Intelligence, Pasadena, California, USA, July 11-17, 2009, 2009.

- [217] Dieter Fox and Carla P. Gomes, editors. Proceedings of the Twenty-Third AAAI Conference on Artificial Intelligence, AAAI 2008, Chicago, Illinois, USA, July 13-17, 2008. AAAI Press, 2008.
- [218] Pei Wang, Ben Goertzel, and Stan Franklin, editors. Artificial General Intelligence 2008, Proceedings of the First AGI Conference, AGI 2008, March 1-3, 2008, University of Memphis, Memphis, TN, USA, volume 171 of Frontiers in Artificial Intelligence and Applications. IOS Press, 2008.
- [219] David Wilson and H. Chad Lane, editors. Proceedings of the Twenty-First International Florida Artificial Intelligence Research Society Conference, May 15-17, 2008, Coconut Grove, Florida, USA. AAAI Press, 2008.
- [220] Alexander Clark, François Coste, and Laurent Miclet, editors. Grammatical Inference: Algorithms and Applications, 9th International Colloquium, ICGI 2008, Saint-Malo, France, September 22-24, 2008, Proceedings, volume 5278 of Lecture Notes in Computer Science. Springer, 2008.
- [221] Proceedings of the Twenty-Second AAAI Conference on Artificial Intelligence, July 22-26, 2007, Vancouver, British Columbia, Canada. AAAI Press, 2007.
- [222] Logical Formalizations of Commonsense Reasoning, Papers from the 2007 AAAI Spring Symposium, Technical Report SS-07-05, Stanford, California, USA, March 26-28, 2007. AAAI, 2007.
- [223] Natalie S. Glance, Nicolas Nicolov, Eytan Adar, Matthew Hurst, Mark Liberman, and Franco Salvetti, editors. *Proceedings of the First International Conference on Weblogs and Social Media, ICWSM 2007, Boulder, Colorado, USA, March 26-28, 2007, 2007.*
- [224] Juan Carlos Augusto and Daniel Shapiro, editors. Advances in Ambient Intelligence [best papers from AITamI@IJCAI 2007, Hyderabad, India, January 2007], volume 164 of Frontiers in Artificial Intelligence and Applications. IOS Press, 2007.

- [225] Manuela M. Veloso, editor. IJCAI 2007, Proceedings of the 20th International Joint Conference on Artificial Intelligence, Hyderabad, India, January 6-12, 2007, 2007.
- [226] Proceedings of the First IEEE International Conference on Semantic Computing (ICSC 2007), September 17-19, 2007, Irvine, California, USA. IEEE Computer Society, 2007.
- [227] Proceedings, The Twenty-First National Conference on Artificial Intelligence and the Eighteenth Innovative Applications of Artificial Intelligence Conference, July 16-20, 2006, Boston, Massachusetts, USA. AAAI Press, 2006.
- [228] 9th International Conference on Information Fusion, FUSION 2006, Florence, Italy, July 10-13, 2006. IEEE, 2006.
- [229] Yasubumi Sakakibara, Satoshi Kobayashi, Kengo Sato, Tetsuro Nishino, and Etsuji Tomita, editors. Grammatical Inference: Algorithms and Applications, 8th International Colloquium, ICGI 2006, Tokyo, Japan, September 20-22, 2006, Proceedings, volume 4201 of Lecture Notes in Computer Science. Springer, 2006.
- [230] Johannes Fürnkranz, Tobias Scheffer, and Myra Spiliopoulou, editors. Knowledge Discovery in Databases: PKDD 2006, 10th European Conference on Principles and Practice of Knowledge Discovery in Databases, Berlin, Germany, September 18-22, 2006, Proceedings, volume 4213 of Lecture Notes in Computer Science. Springer, 2006.
- [231] Manuela M. Veloso and Subbarao Kambhampati, editors. Proceedings, The Twentieth National Conference on Artificial Intelligence and the Seventeenth Innovative Applications of Artificial Intelligence Conference, July 9-13, 2005, Pittsburgh, Pennsylvania, USA. AAAI Press / The MIT Press, 2005.
- [232] Leslie Pack Kaelbling and Alessandro Saffiotti, editors. *IJCAI-05*, Proceedings of the Nineteenth International Joint Conference on Artificial Intelligence, Edinburgh, Scotland, UK, July 30 August 5, 2005. Professional Book Center, 2005.
- [233] Jean-Daniel Zucker and Lorenza Saitta, editors. Abstraction, Reformulation and Approximation, 6th International Symposium, SARA 2005,

- Airth Castle, Scotland, UK, July 26-29, 2005, Proceedings, volume 3607 of Lecture Notes in Computer Science. Springer, 2005.
- [234] Deborah L. McGuinness and George Ferguson, editors. Proceedings of the Nineteenth National Conference on Artificial Intelligence, Sixteenth Conference on Innovative Applications of Artificial Intelligence, July 25-29, 2004, San Jose, California, USA. AAAI Press / The MIT Press, 2004.
- [235] Stefano Leonardi, editor. Algorithms and Models for the Web-Graph: Third International Workshop, WAW 2004, Rome, Italy, October 16, 2004, Proceedings, volume 3243 of Lecture Notes in Computer Science. Springer, 2004.
- [236] Ludger van Elst, Virginia Dignum, and Andreas Abecker, editors. Agent Mediated Knowledge Management, International Symposium AMKM 2003, Stanford, CA, USA, March 24-26, 2003, Revised and Invited Papers, volume 2926 of Lecture Notes in Computer Science. Springer, 2004.
- [237] Colin de la Higuera, Pieter W. Adriaans, Menno van Zaanen, and José Oncina, editors. Proceedings of the Workshop and Tutorial on Learning Contex-Free Grammars, ECML 2003, Cavtat-Dubrovnik, Croatia, September 22-26, 2003. Ruder Boskovic Institute, Zagreb, Croatia, 2003.
- [238] Tamás Horváth, editor. Inductive Logic Programming: 13th International Conference, ILP 2003, Szeged, Hungary, September 29-October 1, 2003, Proceedings, volume 2835 of Lecture Notes in Computer Science. Springer, 2003.
- [239] Rina Dechter, Michael J. Kearns, and Richard S. Sutton, editors. Proceedings of the Eighteenth National Conference on Artificial Intelligence and Fourteenth Conference on Innovative Applications of Artificial Intelligence, July 28 August 1, 2002, Edmonton, Alberta, Canada. AAAI Press / The MIT Press, 2002.
- [240] Proceedings of the 2002 IEEE International Conference on Data Mining (ICDM 2002), 9-12 December 2002, Maebashi City, Japan. IEEE Computer Society, 2002.

- [241] Pieter W. Adriaans, Henning Fernau, and Menno van Zaanen, editors. Grammatical Inference: Algorithms and Applications, 6th International Colloquium: ICGI 2002, Amsterdam, The Netherlands, September 23-25, 2002, Proceedings, volume 2484 of Lecture Notes in Computer Science. Springer, 2002.
- [242] Claude Sammut and Achim G. Hoffmann, editors. Machine Learning, Proceedings of the Nineteenth International Conference (ICML 2002), University of New South Wales, Sydney, Australia, July 8-12, 2002. Morgan Kaufmann, 2002.
- [243] Adnan Darwiche and Nir Friedman, editors. UAI '02, Proceedings of the 18th Conference in Uncertainty in Artificial Intelligence, University of Alberta, Edmonton, Alberta, Canada, August 1-4, 2002. Morgan Kaufmann, 2002.
- [244] Roger H. L. Chiang and Ee-Peng Lim, editors. Fourth ACM CIKM International Workshop on Web Information and Data Management (WIDM 2002), SAIC Headquaters, McLean, Virginia, USA, November 8, 2002. ACM, 2002.
- [245] Eleni Stroulia and Stan Matwin, editors. Advances in Artificial Intelligence, 14th Biennial Conference of the Canadian Society for Computational Studies of Intelligence, AI 2001, Ottawa, Canada, June 7-9, 2001, Proceedings, volume 2056 of Lecture Notes in Computer Science. Springer, 2001.
- [246] Naoki Abe, Roni Khardon, and Thomas Zeugmann, editors. Algorithmic Learning Theory, 12th International Conference, ALT 2001, Washington, DC, USA, November 25-28, 2001, Proceedings, volume 2225 of Lecture Notes in Computer Science. Springer, 2001.
- [247] Klaus P. Jantke and Ayumi Shinohara, editors. Discovery Science, 4th International Conference, DS 2001, Washington, DC, USA, November 25-28, 2001, Proceedings, volume 2226 of Lecture Notes in Computer Science. Springer, 2001.
- [248] Ron Sun and C. Lee Giles, editors. Sequence Learning Paradigms, Algorithms, and Applications, volume 1828 of Lecture Notes in Computer Science. Springer, 2001.

- [249] Henry A. Kautz and Bruce W. Porter, editors. Proceedings of the Seventeenth National Conference on Artificial Intelligence and Twelfth Conference on on Innovative Applications of Artificial Intelligence, July 30 August 3, 2000, Austin, Texas, USA. AAAI Press / The MIT Press, 2000.
- [250] Carles Sierra, Maria L. Gini, and Jeffrey S. Rosenschein, editors. Proceedings of the Fourth International Conference on Autonomous Agents, AGENTS 2000, Barcelona, Catalonia, Spain, June 3-7, 2000. ACM, 2000.
- [251] Steve A. Chien, Subbarao Kambhampati, and Craig A. Knoblock, editors. Proceedings of the Fifth International Conference on Artificial Intelligence Planning Systems, Breckenridge, CO, USA, April 14-17, 2000. AAAI, 2000.
- [252] Jim Hendler and Devika Subramanian, editors. Proceedings of the Sixteenth National Conference on Artificial Intelligence and Eleventh Conference on Innovative Applications of Artificial Intelligence, July 18-22, 1999, Orlando, Florida, USA. AAAI Press / The MIT Press, 1999.
- [253] David Heckerman and Joe Whittaker, editors. Proceedings of the Seventh International Workshop on Artificial Intelligence and Statistics, AISTATS 1999, Fort Lauderdale, Florida, USA, January 3-6, 1999. Society for Artificial Intelligence and Statistics, 1999.
- [254] Thomas Dean, editor. Proceedings of the Sixteenth International Joint Conference on Artificial Intelligence, IJCAI 99, Stockholm, Sweden, July 31 August 6, 1999. 2 Volumes, 1450 pages. Morgan Kaufmann, 1999.
- [255] Usama M. Fayyad, Surajit Chaudhuri, and David Madigan, editors. Proceedings of the Fifth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, San Diego, CA, USA, August 15-18, 1999. ACM, 1999.
- [256] Vasant G. Honavar and Giora Slutzki, editors. Grammatical Inference, 4th International Colloquium, ICGI-98, Ames, Iowa, USA, July 12-14, 1998, Proceedings, volume 1433 of Lecture Notes in Computer Science. Springer, 1998.

- [257] Rakesh Agrawal, Paul E. Stolorz, and Gregory Piatetsky-Shapiro, editors. Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining (KDD-98), New York City, New York, USA, August 27-31, 1998. AAAI Press, 1998.
- [258] W. Lewis Johnson, editor. Proceedings of the First International Conference on Autonomous Agents, AGENTS 1997, Marina del Rey, California, USA, February 5-8, 1997. ACM, 1997.
- [259] Maarten van Someren and Gerhard Widmer, editors. Machine Learning: ECML-97, 9th European Conference on Machine Learning, Prague, Czech Republic, April 23-25, 1997, Proceedings, volume 1224 of Lecture Notes in Computer Science. Springer, 1997.
- [260] Douglas H. Fisher, editor. Proceedings of the Fourteenth International Conference on Machine Learning (ICML 1997), Nashville, Tennessee, USA, July 8-12, 1997. Morgan Kaufmann, 1997.
- [261] Xiaohui Liu, Paul R. Cohen, and Michael R. Berthold, editors. Advances in Intelligent Data Analysis, Reasoning about Data, Second International Symposium, IDA-97, London, UK, August 4-6, 1997, Proceedings, volume 1280 of Lecture Notes in Computer Science. Springer, 1997.
- [262] William J. Clancey and Daniel S. Weld, editors. Proceedings of the Thirteenth National Conference on Artificial Intelligence and Eighth Innovative Applications of Artificial Intelligence Conference, AAAI 96, IAAI 96, Portland, Oregon, USA, August 4-8, 1996, Volume 1. AAAI Press / The MIT Press, 1996.
- [263] Lorenza Saitta, editor. Machine Learning, Proceedings of the Thirteenth International Conference (ICML '96), Bari, Italy, July 3-6, 1996. Morgan Kaufmann, 1996.
- [264] Doug Fisher and Hans-Joachim Lenz, editors. Learning from Data Fifth International Workshop on Artificial Intelligence and Statistics, AISTATS 1995, Key West, Florida, USA, January, 1995. Proceedings. Springer, 1996.

- [265] Seventh International Conference on Tools with Artificial Intelligence, ICTAI '95, Herndon, VA, USA, November 5-8, 1995. IEEE Computer Society, 1995.
- [266] Kristian J. Hammond, editor. Proceedings of the Second International Conference on Artificial Intelligence Planning Systems, University of Chicago, Chicago, Illinois, USA, June 13-15, 1994. AAAI, 1994.