

Список литературы

- [1] *Abello, M.* An Adaptive Approach for Solving Dynamic Scheduling with Time-varying Number of Tasks - Part I / M. Abello, L. T. Bui, Z. Michalewicz // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1702–1709.
- [2] *Abramson, M.* Hybrid tuning of an evolutionary algorithm for sensor allocation / M. Abramson, I. Will, R. Mittu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1671–1677.
- [3] Accelerating Convergence Towards the Optimal Pareto Front / M. Davarynejad, J. Rezaei, J. Vrancken et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2100–2107.
- [4] Accelerating Steady-State Genetic Algorithms based on CUDA Architecture / M. Oiso, Y. Matsumura, T. Yasuda, K. Ohkura // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 673–678.
- [5] *Adam, G.* Using Cellular Evolution for Diversification of the Balance Between Accurate and Interpretable Fuzzy Knowledge Bases for Classification / G. Adam, M. Zbigniew // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1480–1487.
- [6] Adaptive Weighted Aggregation 2: More Scalable AWA for Multiobjective Function Optimization / N. Hamada, Y. Nagata, S. Kobayashi, I. Ono // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2368–2375.
- [7] Advanced Genetic Algorithm to solve MINLP problems over GPU / A. Munawar, M. Wahib, M. Munetomo, K. Akama // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 318–325.
- [8] *Ahmadi-Javid, A.* Anarchic Society Optimization: A Human-Inspired Method / A. Ahmadi-Javid // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2566–2572.
- [9] *Ahn, E. Y.* Evolutionary Based Feature Extraction with Dynamic Mutation / E. Y. Ahn, T. Mullen, J. Yen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 409–416.
- [10] *Ahn, E. Y.* A Two-Population Evolutionary Algorithm for Feature Extraction: Combining Filter and Wrapper / E. Y. Ahn, T. Mullen, J. Yen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 723–730.
- [11] *Akay, B.* Wavelet Packets Optimization using Artificial Bee Colony Algorithm / B. Akay, D. Karaboga // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 89–94.
- [12] *Al-Khateeb, B.* The Importance of Look-Ahead Depth in Evolutionary Checkers / B. Al-Khateeb, G. Kendall // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2245–2251.

- [13] *Aleshunas, J.* Cost-benefit Analysis of Using Heuristics in ACGP / J. Aleshunas, C. Janikow // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1177–1183.
- [14] *Allen, M.* Reinforcement Learning with Adaptive Kanerva Coding for Xpilot Game AI / M. Allen, P. Fritzsche // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1520–1527.
- [15] *Alshammari, R.* Is Machine Learning losing the battle to produce transportable signatures against VoIP traffic? / R. Alshammari, A. N. Zincir-Heywood // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1542–1549.
- [16] *Amaral, L.* Transgenic, an operator for Evolutionary Algorithms / L. Amaral, E. Hruschka // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1307–1313.
- [17] *Amiri, B.* An Efficient Multiobjective Evolutionary Algorithm for Community Detection in Social Networks / B. Amiri, L. Hossain, J. W. Crawford // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2186–2192.
- [18] *Andres, C.* Self-Adaptive Fuzzy-Timed Systems / C. Andres, L. Llana, M. Nunez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 115–122.
- [19] *Antonakopoulos, K.* A common genetic representation capable of developing distinct computational architectures / K. Antonakopoulos, G. Tufte // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1263–1270.
- [20] *Asafuddoula, M.* An Adaptive Differential Evolution Algorithm and its Performance on Real World Optimization Problems / M. Asafuddoula, T. Ray, R. Sarker // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1056–1061.
- [21] *Asconavieta, P.* Evolutionary Algorithm for the Car Renter Salesman / P. Asconavieta, M. Goldberg, E. Goldberg // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 586–593.
- [22] *Ashlock, D.* Fitness Functions for Searching the Mandelbrot Set / D. Ashlock, J. Brown // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1107–1114.
- [23] *Ashlock, D.* Shopkeeper Strategies in the Iterated Prisoner’s Dilemma / D. Ashlock, C. Kuusela, M. Cojocar // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1062–1069.
- [24] *Ashlock, D.* Decomposing the Level Generation Problem with Tiles / D. Ashlock, C. McGuinness // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 848–855.

- [25] *Ashlock, D.* Financial Control of the Evolution of Autonomous NPCs / D. Ashlock, S. Nguyen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 827–834.
- [26] *Ashlock, D.* Translation Tables: A Genetic Code in an Evolutionary Algorithm / D. Ashlock, J. Schonfeld, P. McNicholas // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2672–2679.
- [27] *Ashlock, D.* Comparison of Evolved Epidemic Networks with Diffusion Characters / D. Ashlock, E. Shiller, C. Lee // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 780–787.
- [28] Assessing Documents' Credibility with Genetic Programming / J. Palotti, T. Salles, G. L. Pappa et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 200–207.
- [29] Assessing speed-ups in commodity cloud storage services for distributed evolutionary algorithms / M. Garcia-Arenas, J. J. Merelo, A. M. Mora et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 304–311.
- [30] *Atkins, D.* A Domain Independent Genetic Programming Approach to Automatic Feature Extraction for Image Classification / D. Atkins, K. Neshatian, M. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 238–245.
- [31] Autogeneration of Fractal Photographic Mosaic Images / J. A. Brown, D. Ashlock, S. Houghten, J. Orth // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1115–1122.
- [32] *Awad, M.* Optimization of Spectral Signature Selection Using Multi-Objective Genetic Algorithms / M. Awad, K. De Jong // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1619–1626.
- [33] *Ayob, A. F. M.* Scenario-based Hydrodynamic Design Optimization of High Speed Planing Craft for Coastal Surveillance / A. F. M. Ayob, T. Ray, W. Smith // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 354–361.
- [34] *Azevedo, C.* Correlation Between Diversity and Hypervolume in Evolutionary Multiobjective Optimization / C. Azevedo, A. Araujo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2730–2737.
- [35] *Azevedo, C.* Generalized Immigration Schemes for Dynamic Evolutionary Multiobjective Optimization / C. Azevedo, A. Araujo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2032–2039.
- [36] *Azuma, R. M.* Evolutionary Multi-Objective Optimization for the Vendor-Managed Inventory Routing Problem / R. M. Azuma, G. Coelho, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1456–1463.

- [37] *Bandaru, S.* Modified SBX and Adaptive Mutation for Real World Single Objective Optimization / S. Bandaru, R. Tulshyan, K. Deb // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1334–1341.
- [38] *Banerjee, A.* Evolutionary Algorithm-based Parameter Identification for Nonlinear Dynamical Systems / A. Banerjee, I. Abu-Mahfouz // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1–5.
- [39] *Becker, M.* Design of Fault Tolerant Networks with Agent-based Simulation of Physarum Polycapalum / M. Becker // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 285–291.
- [40] Behavior of EMO Algorithms on Many-Objective Optimization Problems with Correlated Objectives / H. Ishibuchi, N. Akedo, H. Ohyanagi, Y. Nojima // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1464–1471.
- [41] Biased Random-key Genetic Algorithm for Fiber Installation in Optical Network Optimization / N. Goulart, L. Dias, S. Souza, T. Noronha // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2260–2264.
- [42] Boosting Cultural Algorithms with an Incongruous Layered Social Fabric Influence Function / M. Ali, A. Salhie, R. A. Snaine, R. Reynolds // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1230–1237.
- [43] Brain Cine MRI Segmentation Based on a Multiagent Algorithm for Dynamic Continuous Optimization / J. Lepagnot, A. Nakib, H. Oulhadj, P. Siarry // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1694–1701.
- [44] *Cardamone, L.* Dynamic Synthesis of Program Invariants using Genetic Programming / L. Cardamone, A. Mocci, C. Ghezzi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 617–624.
- [45] *Carina, V.* Evolution of a Fictional Dialogue / V. Carina, N. Geoff, W. van Heerden // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1099–1106.
- [46] *Carpentieri, M.* On Robustness of Permutations Sequencing Operators: Solving Satisfiability of Random 3-CNFs by Simple Crossover / M. Carpentieri // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 693–700.
- [47] *Carvalho, R.* HCGA: A Genetic Algorithm for Hierarchical Classification / R. Carvalho, G. Brunoro, G. L. Pappa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 932–939.
- [48] *Castro, P.* Training Multilayer Perceptrons with a Gaussian Artificial Immune System / P. Castro, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1255–1262.

- [49] *Celebi, R.* Mobile Prisoner's Dilemma Game Played On Diverse Habitats / R. Celebi, H. Kilic // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2593–2597.
- [50] Central Force Optimization on a GPU: A Case Study in High Performance Metaheuristics Using Multiple Topologies / R. Green, II, L. Wang, M. Alam, R. Formato // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 550–557.
- [51] *Chakraborty, U.* Clustering in Mobile Ad Hoc Networks with Differential Evolution / U. Chakraborty, S. Das, T. Abbott // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2216–2221.
- [52] *Chen, P.-L.* PSO-based On-line Tuning PID Controller for Setpoint Changes and Load Disturbance / P.-L. Chen, M.-C. Yang, T.-Y. Sun // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1886–1893.
- [53] *Chen, S.-H.* Bi-Variate Artificial Chromosomes with Genetic Algorithm for Single Machine Scheduling Problems with Sequence-Dependent Setup Times / S.-H. Chen, M.-C. Chen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 45–53.
- [54] *Chen, Z.* QISA: Incorporating Quantum Computation into Simulated Annealing for Optimization Problems / Z. Chen, P. Luo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2580–2587.
- [55] *Chiang, T.-C.* MOEA/D-AMS: Improving MOEA/D by an Adaptive Mating Selection Mechanism / T.-C. Chiang, Y.-P. Lai // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1472–1479.
- [56] *Chica, M.* Tackling the 1/3 Variant of the Time and Space Assembly Line Balancing Problem by Means of a Multiobjective Genetic Algorithm / M. Chica, O. Cordon, S. Damas // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1366–1373.
- [57] *Chira, C.* A Hybrid Evolutionary Approach to Protein Structure Prediction with Lattice Models / C. Chira // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2293–2299.
- [58] *Chira, C.* Fitness Evaluation for Overlapping Community Detection in Complex Networks / C. Chira, A. Gog // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2193–2199.
- [59] *Chowdhury, A. R.* An Improved Method to Infer Gene Regulatory Network using S-System / A. R. Chowdhury, M. Chetty // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1011–1018.
- [60] *Chu, W.* Fortify Particle Swarm Optimizer (PSO) with Principal Components Analysis—An example in improving bound-handling for optimizing high-dimensional and complex problems / W. Chu, X. Gao, S. Sorooshian // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1643–1647.

- [61] *Chuang, Y.-C.* A Study on Real-Coded Genetic Algorithm for Process Optimization Using Ranking Selection, Direction-Based Crossover and Dynamic Mutation / Y.-C. Chuang, C.-T. Chen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2468–2475.
- [62] *Clancey, O.* A Memetic Algorithm for Dosimetric Optimization in CyberKnife Robotic Radio-surgical Treatment Planning / O. Clancey, M. Witten // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 879–884.
- [63] Classification-assisted Memetic Algorithms for Solving Optimization Problems with Restricted Equality Constraint Function Mapping / S. D. Handoko, C. K. Kwoh, Y. S. Ong, J. Chan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1214–1221.
- [64] *Cobos, C.* A Hyper-Heuristic Approach To Design And Tuning Heuristic Methods For Web Document Clustering / C. Cobos, M. Mendoza, E. Leon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1349–1357.
- [65] *Coelho, G.* A Concentration-based Artificial Immune Network for Combinatorial Optimization / G. Coelho, F. de Franca, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1247–1254.
- [66] *Coelho, L.* A chaotic firefly algorithm applied to reliability-redundancy optimization / L. Coelho, D. Bernert, V. Mariani // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 517–521.
- [67] *Coia, C.* Automatic Evolution of Conceptual Building Architectures / C. Coia, B. Ross // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1145–1152.
- [68] Comparison of Different Evolutionary Algorithms for Global Supply Chain Optimisation and Parameter Analysis / M. Ibrahimov, A. Mohais, S. Schellenberg, Z. Michalewicz // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2400–2407.
- [69] A Comparison of Dominance Criteria in Many-Objective Optimization Problems / L. Batista, F. Campelo, F. Guimaraes, J. Ramirez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2352–2359.
- [70] A Comparison of GEC-Based Feature Selection and Weighting for Multimodal Biometric Recognition / A. Alford, K. Popplewell, G. Dozier et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2712–2715.
- [71] Computational Intelligence and Tower Defence Games / P. Avery, J. Togelius, A. Elvis, R. P. van Leeuwen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1083–1090.
- [72] *Corns, S.* On the Effects of Graph Based Evolutionary Algorithms for Training Finite State Classifiers / S. Corns // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1019–1025.

- [73] *Costa, B. C.* Traffic Lights Timing Inside Microregion Simulator Using Multiobjective Optimization / B. C. Costa, P. E. M. Almeida, E. Caldeira // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1381–1386.
- [74] *Coulter, D.* Biologically Inspired Obsolescence Management in Mobile Agent Systems / D. Coulter, E. Ehlers // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2048–2055.
- [75] *Cuccu, G.* Novelty-Based Restarts for Evolution Strategies / G. Cuccu, F. Gomez, T. Glas-machers // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 158–163.
- [76] Curiosity-Driven Optimization / T. Schaul, Y. Sun, D. Wierstra et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1342–1348.
- [77] *Daneshyari, M.* Dynamic Optimization using Cultural based PSO / M. Daneshyari, G. Yen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 509–516.
- [78] *de Armas, J.* Two Encoding Schemes for a Multi-Objective Cutting Stock Problem / J. de Armas, G. Miranda, C. Leon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 529–536.
- [79] *de Bruyn, K.* Evolutionary Algorithms and Particle Swarm Optimization for Artificial Language Evolution / K. de Bruyn, G. Nitschke, W. van Heerden // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2688–2695.
- [80] *de Franca, F.* Extracting additive and multiplicative coherent biclusters with swarm intelligence / F. de Franca, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 625–631.
- [81] *De la Fraga, L. G.* Robust Detection of Several Circles or Ellipses with Heuristics / L. G. De la Fraga, G. M. L. Dominguez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 484–490.
- [82] *Diaz-Manriquez, A.* On the Selection of Surrogate Models in Evolutionary Optimization Algorithms / A. Diaz-Manriquez, G. Toscano-Pulido, W. Gomez-Flores // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2148–2155.
- [83] A Differential Evolution Algorithm for the Detection of Synaptic Vesicles / A. LaTorre, S. Muelas, J.-M. Pena et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1686–1693.
- [84] Differential Evolution Combined with Constraint Consensus for Constrained Optimization / N. Hamza, S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 864–871.
- [85] *Dobslaw, F.* Iteration-wise Parameter Learning / F. Dobslaw // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 455–462.

- [86] *Dohare, D.* Combination of Similarity Measures for Time Series Classification using Genetic Algorithms / D. Dohare, V. S. Devi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 401–408.
- [87] *Dorn, M.* A Hybrid Genetic Algorithm for the 3-D Protein Structure Prediction Problem using a Path-Relinking Strategy / M. Dorn, L. S. Buriol, L. C. Lamb // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2696–2703.
- [88] *Dos Santos, E. M.* Classifier Ensembles Optimization Guided by Population Oracle / E. M. Dos Santos, R. Sabourin // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 679–684.
- [89] *Doucette, J.* Revisiting the Acrobot ‘height’ task: An example of Efficient Evolutionary Policy Search under an Episodic Goal Seeking Task / J. Doucette, M. Heywood // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 468–475.
- [90] *Downey, C.* Execution Trace Caching for Linear Genetic Programming / C. Downey, M. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1191–1198.
- [91] *Dumas, L.* An Evolutionary Approach For Blind Deconvolution Of Barcode Images With Nonuniform Illumination / L. Dumas, M. E. Rhabi, G. Rochefort // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2416–2421.
- [92] *Dymond, A.* The sensitivity of single objective optimization algorithm control parameter values under different computational constraints / A. Dymond, A. P. Engelbrecht, S. Heyns // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1411–1418.
- [93] *Dziuk, A.* Creating Intelligent Agents through Shaping of Coevolution / A. Dziuk, R. Mikkulainen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1076–1082.
- [94] Effective Ranking + Speciation = Many-Objective Optimization / M. Garza-Fabre, G. Toscano-Pulido, C. A. Coello Coello, E. Rodriguez-Tello // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2108–2115.
- [95] Effectiveness of Guidepost Pheromone for Honeybee Colony Optimization / Y. Shirasaki, S. Shimomura, M. Sugimoto et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1792–1797.
- [96] *Ellefsen, K. O.* Dynamic Robot Scheduling Using a Genetic Algorithm / K. O. Ellefsen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2024–2031.
- [97] *Elsayed, S.* Differential Evolution with Multiple Strategies for Solving CEC2011 Real-world Numerical Optimization Problems / S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1040–1047.

- [98] *Elsayed, S.* GA with a New Multi-Parent Crossover for Constrained Optimization / S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 856–863.
- [99] *Elsayed, S.* GA with a New Multi-Parent Crossover for Solving IEEE-CEC2011 Competition Problems / S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1033–1039.
- [100] *Elsayed, S.* Integrated Strategies Differential Evolution Algorithm with a Local Search for Constrained Optimization / S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2611–2618.
- [101] *Emmerich, M.* Hypervolume-based Expected Improvement: Monotonicity Properties and Exact Computation / M. Emmerich, A. Deutz, J. W. Klinkenberg // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2140–2147.
- [102] An Empirical Study on the Accuracy of Computational Effort in Genetic Programming / D. F. Barrero, M. R-Moreno, B. Castano, D. Camacho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1169–1176.
- [103] Enhancing Differential Evolution with Effective Evolutionary Local Search in Memetic Framework / Y. Wang, L. Bin, H. Zhen, Z. Kaibo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2445–2452.
- [104] Ensemble Strategies in Compact Differential Evolution / R. Mallipeddi, G. Iacca, N. S. Pon-nuthurai et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1971–1976.
- [105] *Ergezer, M.* Oppositional Biogeography-Based Optimization for Combinatorial Problems / M. Ergezer, D. Simon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1495–1502.
- [106] *Eskridge, B.* Extrapolation of Regularity Using Indirect Encodings / B. Eskridge // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1279–1286.
- [107] *Esmailzadeh, A.* Enhanced Differential Evolution Using Center-Based Sampling / A. Esmailzadeh, S. Rahnamayan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2634–2641.
- [108] *Espitia, H.* Path planning of mobile robots using potential fields and swarms of Brownian particles / H. Espitia, J. Sofrony // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 123–129.
- [109] *Estevez, J.* Using an Induced Relational Decision Tree for Rule Injection in a Learning Classifier System / J. Estevez, P. Toledo, S. Alayon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 640–647.

- [110] Estimating the Reproductive Potential of Offspring in Evolutionary Heuristics for Combinatorial Optimization Problems / E. Parkinson, A. Ghandar, Z. Michalewicz, A. Tuson // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 172–178.
- [111] An Estimation of Distribution Algorithm based on Nonparametric Density Estimation / L. Zhou, A. Zhou, G. Zhang, C. Shi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1596–1603.
- [112] Evolutionary Multi-objective Design Optimisation of Energy Harvesting MEMS: The Case of a Piezoelectric / E. Benkhelifa, A. Tiwari, A. G. De Rueda, M. Moniri // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1855–1862.
- [113] An Evolutionary Multi-objective Scenario-Based Approach for Stochastic Resource Investment Project Scheduling / J. Xiong, J. Liu, Y. Chen, H. Abbass // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2754–2761.
- [114] An Evolutionary Multiobjective Optimization Approach to Component-Based Software Architecture Design / R. Li, R. Etemaadi, M. Emmerich, M. Chaudron // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 432–439.
- [115] Evolutionary Optimization of Sets of Basis Functions for First-Row Atoms by Using Discretization Process / O. V. Neto, I. Bezerra, M. A. Pacheco, A. Pimentel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 544–549.
- [116] Evolving an Effective Robot Tour Guide / H. Hiruma, A. Fukunaga, K. Komiya, H. Iba // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 137–144.
- [117] An Experimental Study of Preference Model Integration into Multi-Objective Optimization Heuristics / S. Eppe, M. Lopez-Ibanez, T. Stuetzle, Y. De Smet // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2738–2745.
- [118] *Falcon*, R. Fault Identification with Binary Adaptive Fireflies in Parallel and Distributed Systems / R. Falcon, M. Almeida, A. Nayak // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1358–1365.
- [119] *fang Ji*, X. Solving optimization problems with intervals and hybrid indices using evolutionary algorithms / X. fang Ji, D. wei Gong, X. ping Ma // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2522–2529.
- [120] Feedback Loop Mechanisms based Particle Swarm Optimization with Neighborhood Topology / J. Zhang, S. Chen, D. Levy, Y. Lu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1863–1870.
- [121] *Friedlander*, A. Meta-Learning and Feature Ranking Using Genetic Programming for Classification: Variable Terminal Weighting / A. Friedlander, K. Neshatian, M. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 940–947.

- [122] From Pherographia to Color Pherographia - Color Sketching with Artificial Ants / C. M. Fernandes, C. Isidoro, F. Barata et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1123–1130.
- [123] *Fu, W.* Genetic Programming For Edge Detection: A Global Approach / W. Fu, M. Johnston, M. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 254–261.
- [124] A Fuzzy Adaptive Comfort Temperature Model with Grey Predictor for Multi-agent Control System of Smart Building / Z. Wang, R. Yang, L. Wang et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 715–722.
- [125] *Gallagher, J.* An Improved Evolvable Oscillator for All Flight Mode Control of an Insect-Scale Flapping-Wing Micro Air Vehicle / J. Gallagher, M. Oppenheimer // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 417–425.
- [126] *Garro, B. A.* Artificial Neural Network Synthesis by means of Artificial Bee Colony (ABC) Algorithm / B. A. Garro, H. Sossa, R. A. Vazquez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 331–338.
- [127] GART: A Genetic Algorithm based Real Time System Scheduler / M. U, C. Ho, S. Funk, K. Rasheed // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 885–892.
- [128] *Garza-Fabre, M.* Comparing Alternative Energy Functions for the HP Model of Protein Structure Prediction / M. Garza-Fabre, E. Rodriguez-Tello, G. Toscano-Pulido // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2300–2307.
- [129] GEC-Based Multi-Biometric Fusion / A. Alford, C. Hansen, G. Dozier et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2056–2059.
- [130] *Geng, J.* Image Texture Classification using a Multiagent Genetic Clustering Algorithm / J. Geng, J. Liu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 504–508.
- [131] *Ghaffarizadeh, A.* Sorting Unsigned Permutations by Reversals using Multi-Objective Evolutionary Algorithms with Variable Size Individuals / A. Ghaffarizadeh, K. Ahmadi, N. S. Flann // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 292–295.
- [132] *Goncalves, A. R.* Online learning in estimation of distribution algorithms for dynamic environments / A. R. Goncalves, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 62–69.
- [133] *Gong, Y.* Distributed Island-Model Genetic Algorithms Using Heterogeneous Parameter Settings / Y. Gong, A. Fukunaga // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 819–826.

- [134] *Gonzalez-Pardo, A.* Analysis of Grammatical Evolution Approaches to Regular Expression Induction / A. Gonzalez-Pardo, D. Camacho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 632–639.
- [135] *Graham, L.* Comparison of a Greedy Selection Operator to Tournament Selection and a Hill Climber / L. Graham, J. Borbone, G. Parker // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1503–1507.
- [136] *Greenwood, G.* On the Value of Operator-Induced Neighborhoods in Fitness Landscapes / G. Greenwood // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 463–467.
- [137] *Greenwood, G.* A Numerical Analysis of the Evolutionary Iterated Snowdrift Game / G. Greenwood, S. Chopra // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2009–2015.
- [138] A Grid-Based Heuristic for Two-Dimensional Packing Problems / L. T. Bui, H. Abbass, S. Baker et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2322–2329.
- [139] *Hancock, D.* Multi Agent System For Network Attack Classification Using Flow-Based Intrusion Detection / D. Hancock, G. Lamont // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1534–1541.
- [140] *Handa, H.* Dimensionality Reduction of Scene and Enemy Information in Mario / H. Handa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1514–1519.
- [141] Hardware architecture for a Bidirectional Hetero-Associative Protein Processing Associative Memory / O. Qadir, J. Liu, G. Tempesti et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 208–215.
- [142] *Hassanein, O.* Genetic Fuzzy Controller for Robot Manipulator Position Control based upon Inverse Dynamics / O. Hassanein, S. Anavatti, T. Ray // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 707–714.
- [143] *He, Z.* An Ensemble Method for Performance Metrics in Multiobjective Evolutionary Algorithms / Z. He, G. Yen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1723–1728.
- [144] *Heinrich, E.* Learning from the Barn Owl Auditory System: A Bio-Inspired Localization Hardware Architecture / E. Heinrich, R. Joost, R. Salomon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 216–221.
- [145] *Helbig, M.* Archive Management for Dynamic Multi-objective Optimisation Problems using Vector Evaluated Particle Swarm Optimisation / M. Helbig, A. P. Engelbrecht // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2040–2047.

- [146] *Herbawi, W.* Comparison of Multiobjective Evolutionary Algorithms for Solving The Multiobjective Route Planning in Dynamic Multi-hop Ridesharing / W. Herbawi, M. Weber // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2092–2099.
- [147] *Hernandez, J.* A Comparison on the Search of Particle Swarm Optimization and Differential Evolution on Multi-Objective Optimization / J. Hernandez, G. Toscano-Pulido // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1977–1984.
- [148] Heuristics to Avoid Redundant Solutions on Population-Based Multimodal Continuous Optimization / R. Pasti, R. D. Maia, F. J. Von Zuben, L. N. de Castro // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2314–2321.
- [149] Hierarchical Dynamic Neighborhood Based Particle Swarm Optimization for Global Optimization / G. Pradipta, Z. Hamim, S. Das, A. Abraham // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 744–751.
- [150] High-Throughput Toxicological Classification of Candidate Drug Compounds Using Gene Expression, Evolved Neural Networks, and a Cell-based Platform / G. Vansant, P. Pezzoli, J. Monforte, G. Fogel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 788–794.
- [151] Higher-level Innovization: A Case Study from Friction Stir Welding Process Optimization / S. Bandaru, C. C. Tutum, K. Deb, J. H. Hattel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2769–2776.
- [152] *Hijaze, M.* Distributed Evolutionary Algorithm Topologies with Adaptive Migration Schemes / M. Hijaze, D. Corne // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 601–608.
- [153] *Hill, S.* Examining the use of a Non-Trivial Fixed Genotype-Phenotype Mapping in Genetic Algorithms to Induce Phenotypic Variability over Deceptive Uncertain Landscapes / S. Hill, C. O’Riordan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1403–1410.
- [154] *Hingston, P.* Red Teaming with Coevolution / P. Hingston, M. Preuss // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1160–1168.
- [155] *Hsieh, M.-N.* A Hybrid Constraint Handling Mechanism with Differential Evolution for Constrained Multiobjective Optimization / M.-N. Hsieh, T.-C. Chiang, L.-C. Fu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1784–1791.
- [156] *Hsieh, S.-T.* Sharing Mutation Genetic Algorithm for Solving Multi-objective Optimization Problems / S.-T. Hsieh, S.-Y. Chiu, S.-J. Yen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1832–1838.
- [157] *Huang, Y.-H.* Genetic Algorithm with Path Relinking for the Multi-Vehicle Selective Pickup and Delivery Problem / Y.-H. Huang, C.-K. Ting // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1817–1824.

- [158] *hui Zhong, J.* Energy-Efficient Local Wake-up Scheduling in Wireless Sensor Networks / J. hui Zhong, J. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2273–2277.
- [159] *Huo, C.-L.* The Preliminary Study on Multi-Swarm Sharing Particle Swarm Optimization: Applied to UAV Path Planning Problem / C.-L. Huo, T.-Y. Lai, T.-Y. Sun // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1769–1775.
- [160] *Hwang, J.-W.* Structure Evolution of Dynamic Bayesian Network for Traffic Accident Detection / J.-W. Hwang, Y.-S. Lee, S.-B. Cho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1664–1670.
- [161] A Hybrid Approach Based on Genetic Fuzzy Systems for Wireless Sensor Networks / L. Leal, M. Lemos, R. Holanda et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 964–971.
- [162] Hybrid DE Algorithm With Adaptive Crossover Operator For Solving Real-World Numerical Optimization Problems / G. Reynoso-Meza, J. Sanchis, X. Blasco, J. M. Herrero // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1550–1555.
- [163] Improved Multi-objective Evolutionary Algorithm for Day-Ahead Thermal Generation Scheduling / A. Trivedi, N. M. Pindoriya, D. Srinivasan, D. Sharma // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2163–2170.
- [164] An Improved Multiobjective Evolutionary Algorithm based on Decomposition with Fuzzy Dominance / M. Nasir, A. Mondal, S. Sengupta et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 752–759.
- [165] Improved Reconstruction of Deep Space Images via Genetic Algorithms / S. Aldridge, B. Babb, F. Moore, M. Peterson // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 102–109.
- [166] Improved Reconstruction of Quantized CT Scans via Genetic Algorithms / C. Miller, F. Moore, B. Babb, M. Peterson // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2286–2292.
- [167] Indicator-based MONEDA: A Comparative Study of Scalability with Respect to Decision Space Dimensions / L. Marti, J. Garcia, A. Berlanga, J. M. Molina // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 956–963.
- [168] Inferring Transcriptional Regulators for Sets of Co-expressed Genes by Multi-objective Evolutionary Optimization / A. Schroeder, C. Wrzodek, J. Wollnik et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2278–2285.
- [169] An Intelligent Placement of Distributed Capacitance based on Loss Minimization / A. Haidar, K. Noman, R. Al-Jawfi, H. A. Aziz // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA, 2011. — 5-8 June. — P. 767–771.

- [170] Investigating the Impact of Alternative Evolutionary Selection Strategies on Multi-method Global Optimization / J. Grobler, A. P. Engelbrecht, G. Kendall, V. Yadavalli // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2330–2337.
- [171] *Ioannides, C.* Improving XCS Performance on Overlapping Binary Problems / C. Ioannides, K. Eder, G. Barrett // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1419–1426.
- [172] *Islam, M. K.* Novel Local Improvement Techniques in Clustered Memetic Algorithm for Protein Structure Prediction / M. K. Islam, M. Chetty, M. Murshed // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1002–1010.
- [173] *Jennings, A.* Population Based Optimization for Variable Operating Points / A. Jennings, R. Ordóñez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 145–151.
- [174] *Johansson, U.* One Tree to Explain Them All / U. Johansson, C. Sonstrod, T. Lofstrom // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1443–1450.
- [175] *Junior, Z. C.* A PSO algorithm for Improving Multi-View Classification / Z. C. Junior, G. L. Pappa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 924–931.
- [176] *Junqing, L.* Flexible Job Shop Scheduling Problems By A Hybrid Artificial Bee Colony Algorithm / L. Junqing, P. Quanke, X. Shengxian // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 78–83.
- [177] *Kamath, U.* An Evolutionary-based Approach for Feature Generation: Eukaryotic Promoter Recognition / U. Kamath, K. De Jong, A. Shehu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 277–284.
- [178] *Kameya, Y.* Pattern-based Preservation of Building Blocks in Genetic Algorithms / Y. Kameya, C. Prayoonsri // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2558–2565.
- [179] *Khairy, M.* PSO2: Particle Swarm Optimization with PSO-Based Local Search / M. Khairy, M. B. Fayek, E. E. Hemayed // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1825–1831.
- [180] *Ki-Baek, L.* Multi-Objective Particle Swarm Optimization with Preference-based Sorting / L. Ki-Baek, K. Jong-Hwan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2486–2493.
- [181] *Kia, H. S.* A new Fault-tolerant and Congestion-aware Adaptive Routing Algorithm for Regular Networks-on-Chip / H. S. Kia, A. Cristinel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2453–2460.

- [182] *Kijowski, M.* Improved Learning in an Evolvable Hardware Hover Controller for an Insect Scale Flapping-Wing Micro Air Vehicle / M. Kijowski, J. Gallagher, L. Merkle // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 426–431.
- [183] *Kimura, S.* Constrained Multimodal Function Optimization using a Simple Evolutionary Algorithm / S. Kimura, K. Matsumura // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 447–454.
- [184] *Knittel, A.* Formation and Activation of Feature Hierarchies Under Reinforcement / A. Knittel, T. Bossomaier // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2664–2671.
- [185] *Korosec, P.* The Continuous Differential Ant-Stigmergy Algorithm Applied to Real-World Optimization Problems / P. Korosec, J. Silc // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1326–1333.
- [186] *Krause, A.* Performance of evolving trading strategies with different discount factors / A. Krause // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 186–191.
- [187] *Kriging/RBF-Hybrid Response Surface Method for Highly Nonlinear Functions* / N. Namura, K. Shimoyama, S. Jeong, S. Obayashi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2514–2521.
- [188] *Kromer, P.* Differential Evolution for the Linear Ordering Problem Implemented on CUDA / P. Kromer, J. Platos, V. Snasel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 795–801.
- [189] *Kudo, F.* A Study on Analysis of Design Variables in Pareto Solutions for Conceptual Design Optimization Problem of Hybrid Rocket Engine / F. Kudo, Y. Tomohiro, F. Takeshi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2538–2542.
- [190] *Kumar, P.* Nearest-Neighbor Architecture to Overcome the Effects of Qubit Precessions on Gate Operations / P. Kumar, S. Skinner, D. Sahar // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2716–2721.
- [191] *Landassuri-Moreno, V. M.* Biasing the Evolution of Modular Neural Networks / V. M. Landassuri-Moreno, J. A. Bullinaria // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1957–1964.
- [192] *LaTorre, A.* Benchmarking a Hybrid DE-RHC Algorithm on Real World Problems / A. LaTorre, S. Muelas, J.-M. Pena // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1026–1032.
- [193] *Lee, B.* Evolving a Population Code for Multimodal Concept Learning / B. Lee, H.-S. Seok, B.-T. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 685–692.

- [194] *Legriel, J.* On Universal Search Strategies for Multi-Criteria Optimization Using Weighted Sums / J. Legriel, S. Cotton, O. Maler // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2344–2351.
- [195] *Leguizamon, G.* A Multi-Region Differential Evolution Algorithm for Continuous Optimization Problems / G. Leguizamon, C. A. Coello Coello // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1933–1939.
- [196] *Lehman, J.* Improving Evolvability through Novelty Search and Self-Adaptation / J. Lehman, K. Stanley // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2680–2687.
- [197] *Lemonge, A.* Design Optimization of Geometrically Nonlinear Truss Structures Considering Cardinality Constraints / A. Lemonge, M. Silva, H. Barbosa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 29–36.
- [198] *Li, H.* A Real-Binary Coded Genetic Algorithm for Solving Nonlinear Bilevel Programming with Nonconvex Objective Functions / H. Li, Y. Wang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2476–2480.
- [199] *Li, J.* A Hypervolume Based Approach for Minimal Visual Coverage Shortest Path / J. Li, C. Zheng, X. Hu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1776–1783.
- [200] *Li, S.* The Modularity in Freeform Evolving Neural Networks / S. Li, J. Yuan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2598–2603.
- [201] *Lima, N.* Frankenstein PSO Applied to Neural Network Weights and Architectures / N. Lima, T. Ludermir // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2588–2592.
- [202] *lin Liu, H.* A improved NSGA-II algorithm based on sub-regional search / H. lin Liu, F. Gu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1905–1910.
- [203] *Liping, J.* Genetic Algorithm Based on Primal and Dual Theory for Solving Multiobjective Bilevel Linear Programming / J. Liping, W. Yuping // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 558–565.
- [204] *Liu, H.* Space active noise control system design with multi-objective genetic algorithms / H. Liu, A. Qiu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2179–2185.
- [205] *Lockett, A.* Measure-Theoretic Evolutionary Annealing / A. Lockett, R. Miikkulainen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2132–2139.

- [206] *Lohpetch, D.* Multiobjective Algorithms for Financial Trading Multiobjective Out-trades Single-Objective / D. Lohpetch, D. Corne // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 192–199.
- [207] *Lopez-Jaimes, A.* Preference Incorporation to Solve Many-Objective Airfoil Design Problems / A. Lopez-Jaimes, A. Arias-Montano, C. A. Coello Coello // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1604–1611.
- [208] *Lotif, M.* Visually Inspecting the Search Behavior of Harmony Search and its Variants with Viz3D / M. Lotif, A. Coelho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 609–616.
- [209] *Lu, X.* Classification-Assisted Differential Evolution for Computationally Expensive Problems / X. Lu, K. Tang, X. Yao // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1985–1992.
- [210] *Lung, R. I.* A New Evolutionary Approach to Minimax Problems / R. I. Lung, D. Dumitrescu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1901–1904.
- [211] *Ly, D.* Trainer Selection Strategies for Coevolving Rank Predictors / D. Ly, H. Lipson // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2392–2399.
- [212] *Mahdi, S.* Edge Detection Using Constrained Discrete Particle Swarm Optimisation in Noisy Images / S. Mahdi, Z. Mengjie, J. Mark // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 246–253.
- [213] *Malago', L.* Stochastic Natural Gradient Descent by Estimation of Empirical Covariances / L. Malago', M. Matteucci, G. Pistone // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 948–955.
- [214] *Malago', L.* Introducing l1-regularized Logistic Regression in Markov Networks based EDAs / L. Malago', M. Matteucci, G. Valentini // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1580–1587.
- [215] *Mallipeddi, R.* Ensemble Differential Evolution Algorithm for CEC2011 Problems / R. Mallipeddi, N. S. Ponnuthurai // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1556–1563.
- [216] *Marco, D.* Optimisation of Process Algebra Models Using Evolutionary Computation / D. Marco, D. Cairns, C. Shankland // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1295–1300.
- [217] *Martinez, S. Z.* A Nonlinear Simplex Search Approach for Multi-Objective Optimization / S. Z. Martinez, A. Arias-Montano, C. A. Coello Coello // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2360–2367.

- [218] *Masuda, K.* An Empirical Study on the Search Directions of Differential Evolution / K. Masuda, H. Yokota, K. Kurihara // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2530–2537.
- [219] *McClymont, K.* Benchmark Multi-objective Optimisation Test Problems with Mixed Encodings / K. McClymont, E. Keedwell // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2124–2131.
- [220] A Memetic Genetic Programming with Decision Tree-based Local Search for Classification Problems / P. Wang, K. Tang, E. Tsang, X. Yao // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 916–923.
- [221] *Menezes, L.* On Ensembles of Biclusters Generated by NichePSO / L. Menezes, A. Coelho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 594–600.
- [222] *Menezes, T.* Evolutionary Modeling of a Blog Network / T. Menezes // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 908–915.
- [223] *Menzel, S.* Evolvable Free-Form Deformation Control Volumes for Evolutionary Design Optimization / S. Menzel // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1387–1394.
- [224] *Merelo, J. J.* Optimizing worst-case scenario in evolutionary solutions to the MasterMind puzzle / J. J. Merelo, A. M. Mora, C. Cotta // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2656–2663.
- [225] *Mirmomeni, M.* Co-evolving Data Driven Models and Test Data Sets with the Application to Forecast Chaotic Time Series / M. Mirmomeni, W. Punch // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 14–20.
- [226] Model Development for Lattice Properties of Gallium Arsenide using Parallel Genetic Algorithm / M. Salmani-Jelodar, S. Steiger, A. Paul, G. Klimeck // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2422–2428.
- [227] Modeling HIV Spread through Sexual Contact Using a Cellular Automaton / A. Alimadad, V. Dabbaghian, S. Singh, H. H. Tsang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2338–2343.
- [228] Modified Differential Evolution with Local Search Algorithm for Real World Optimization / M. Ankush, A. K. Das, P. Mukherjee et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1564–1571.
- [229] A Modified Discrete Differential Evolution based TDMA Scheduling Scheme for Many to One Communications in Wireless Sensor Networks / M. Islam, S. Ghosh, S. Das et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1949–1956.

- [230] A Modified Hybrid Particle Swarm Optimization Approach for Unit Commitment / L. T. X. Yen, D. Sharma, D. Srinivasan, P. N. Manji // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1737–1744.
- [231] Modified Particle Swarm Optimization for Odor Source Localization of Multi-robot / D. wei Gong, C. liang Qi, Y. Zhang, M. Li // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 130–136.
- [232] *Mojica-Nava, E.* A Replicator Dynamics Weighted Control Technique for a DC-DC Converter / E. Mojica-Nava, N. Quijano // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1871–1877.
- [233] *Mokom, F.* Evolution of Artifact Capabilities / F. Mokom, Z. Kobti // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 476–483.
- [234] A Molecular Evolutionary Algorithm for Learning Hypernetworks on Simulated DNA Computers / J.-H. Lee, B. Lee, J. S. Kim et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2722–2729.
- [235] *Monson, C.* Simple Adaptive Cognition for PSO / C. Monson // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1656–1663.
- [236] *Morshed, N.* Reconstructing Genetic Networks with Concurrent Representation of Instantaneous and Time-Delayed Interactions / N. Morshed, M. Chetty // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1839–1846.
- [237] *Muehleisen, H.* Multi-Level Indexing in a Distributed Self-Organized Storage System / H. Muehleisen, T. Walther, R. Tolksdorf // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 988–993.
- [238] Multi-objective Decisionmaking in the Detection of Comprehensive Community Structures / S. Chuan, Y. Zhenyu, P. Xin et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1488–1494.
- [239] Multi-objective Optimal Multiple Reservoir Operation / L. Scola, O. Neto, R. Takahashi, S. Cerqueira // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1926–1932.
- [240] Multi-Objective Optimisation of Cell-Array Circuit Evolution / P. Bremner, M. Samie, A. Pipe, A. Tyrrell // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 440–446.
- [241] Multiobjective Evolutionary Algorithms for Intradomain Routing Optimization / M. Rocha, T. Sa, P. Sousa et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2265–2272.
- [242] A Multiobjective Optimisation Approach For The Dynamic Inference and Refinement Of Agent-Based Model Specifications / S. Adra, M. Kiran, P. McMinn, N. Walkinshaw // Proceedings of

- the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2230–2237.
- [243] *Munetomo, M.* Realizing Robust and Scalable Evolutionary Algorithms toward Exascale Era / M. Munetomo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 312–317.
 - [244] Musical Genre Classification by means of Fuzzy Rules Based Systems: A preliminary approach / F. Fernandez de Vega, F. Chavez de la O, R. A. Fernandez, F. H. Triguero // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2551–2557.
 - [245] Mutation Operator Characterization: Exhaustiveness, Locality, and Bias / R. Moritz, T. Ulrich, L. Thiele, S. Buerklen // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1395–1402.
 - [246] Mutual Information-Based Evolution of Hypernetworks for Brain Data Analysis / E.-S. Kim, J.-W. Ha, W. H. Jung et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2604–2610.
 - [247] *N., M. R. R.* A Machine Operation Lists Based Memetic Algorithm for Job Shop Scheduling / M. R. R. N., Z. Kobti // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2429–2436.
 - [248] *Nagy, R.* Fuzzy Equilibria for Games Involving $n > 2$ Players / R. Nagy, D. Dumitrescu, R. I. Lung // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2642–2648.
 - [249] *Nairat, M.* Character Evolution Approach to Generative Storytelling / M. Nairat, P. Dahlstedt, M. Nordahl // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1131–1136.
 - [250] *Naruchitparames, J.* Friend Recommendations in Social Networks using Genetic Algorithms and Network Topology / J. Naruchitparames, M. Gunes, S. Louis // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2200–2207.
 - [251] A New Framework taking account of Multi-funnel Functions for Real-coded Genetic Algorithms / K. Uemura, S. ichi Kinoshita, Y. Nagata et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2084–2091.
 - [252] A New Signal Classification Technique by Means of Genetic Algorithms and kNN / D. Rivero, E. Fernandez-Blanco, J. Dorado, A. Pazos // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 574–579.
 - [253] *Nguyen, H. T.* Tracking Pedestrians with Bacterial Foraging Optimization Swarms / H. T. Nguyen, B. Bhanu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 491–495.

- [254] *Nguyen, T. H.* A Study on Genetic Programming with Layered Learning and Incremental Sampling / T. H. Nguyen, X. H. Nguyen, R. I. McKay // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1184–1190.
- [255] *Noman, N.* An Adaptive Differential Evolution Algorithm / N. Noman, D. Bollegala, H. Iba // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2222–2229.
- [256] *Noman, N.* Solving Dynamic Economic Dispatch Problems using Cellular Differential Evolution / N. Noman, H. Iba // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2626–2633.
- [257] A normative differential evolution approach for estimation of heat transfer coefficient during freezing treatment by inverse analysis / V. Mariani, L. G. Luvizotto, C. Klein, L. Coelho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 522–528.
- [258] A Novel Estimation of Distribution Algorithm Using Graph-based Chromosome Representation and Reinforcement Learning / X. Li, B. Li, S. Mabu, K. Hirasawa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 37–44.
- [259] A Novel Evolutionary Approach for 2D Shape Matching Based on B-Spline Modeling / M. Khan, A. Ayob, A. Isaacs, T. Ray // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 648–654.
- [260] *Oh, I. S.* Simulating Chemical Evolution / I. S. Oh, Y.-G. Lee, R. I. McKay // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2704–2711.
- [261] *Okdem, S.* An Application of Wireless Sensor Network Routing based on Artificial Bee Colony Algorithm / S. Okdem, D. Karaboga, C. Ozturk // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 326–330.
- [262] *Oliveira, P.* Ternary Representation Improves the Search for Binary, One-dimensional Density Classifier Cellular Automata / P. Oliveira, M. Interciso // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1919–1925.
- [263] On Scalability of Adaptive Weighted Aggregation for Multiobjective Function Optimization / N. Hamada, Y. Nagata, S. Kobayashi, I. Ono // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 655–664.
- [264] On the Limits of Effectiveness in Estimation of Distribution Algorithms / C. Echegoyen, Q. Zhang, A. Mendiburu et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1572–1579.
- [265] *Oner, A.* Optimization of university course scheduling problem with a hybrid artificial bee colony algorithm / A. Oner, S. Ozcan, D. Dengi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 339–346.

- [266] Opposition-based Shuffled PSO with Passive Congregation Applied to FM Matching Synthesis / D. Munoz, C. Llanos, L. Coelho, M. Ayala // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2762–2768.
- [267] Optimal Design of an Air-Cooling System for a Li-Ion Battery Pack in an Electric Vehicle with a Genetic Algorithm / M. Mousavi, S. Hoque, S. Rahnamayan et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1847–1854.
- [268] Optimization of Casting Process Parameters for Homogeneous Aggregate Distribution in Self-Compacting Concrete: A Feasibility Study / J. Spangenberg, C. C. Tutum, J. H. Hattel et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2156–2162.
- [269] Optimization of Parallel Genetic Algorithms for nVidia GPUs / M. Wahib, A. Munawar, M. Munetomo, K. Akama // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 802–810.
- [270] Optimization Techniques for the Selection of Members and Attributes in Ensemble Systems / A. F. Neto, A. Canuto, E. Goldberg, M. Goldberg // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1911–1918.
- [271] Optimizing Player Behavior In A Real-Time Strategy Game Using Evolutionary Algorithms / A. Fernandez-Ares, A. M. Mora, J. J. Merelo et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2016–2023.
- [272] *Ozcan, T.* A Heuristic Approach Based on Artificial Bee Colony Algorithm for Retail Shelf Space Optimization / T. Ozcan, S. Esnaf // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 95–101.
- [273] *Ozturk, C.* Hybrid Artificial Bee Colony Algorithm for Neural Network Training / C. Ozturk, D. Karaboga // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 84–88.
- [274] *Papa, G.* Optimal On-Line Built-In Self-Test Structure for System-Reliability Improvement / G. Papa, T. Garbolino // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 222–229.
- [275] Paper not in the database // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June.
- [276] A Parallel BOA-PSO Hybrid Algorithm for History Matching / A. Reynolds, A. Abdollahzadeh, D. Corne et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 893–900.
- [277] A Parallel Evolutionary Algorithm to Search for Global Minima Geometries of Heterogeneous ab initio Atomic Clusters / O. V. Neto, M. A. Pacheco, A. Pimentel, E. Silveira // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 537–543.

- [278] *Parker, G.* Fitness Biasing for Evolving an Xpilot Combat Agent / G. Parker, P. Fritzsche // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1070–1075.
- [279] *Parker, G.* The Effects of Using a Greedy Factor in Hexapod Gait Learning / G. Parker, W. Tarimo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1508–1513.
- [280] *Parker, G.* Quadruped Gait Learning Using Cyclic Genetic Algorithms / G. Parker, W. Tarimo, M. Cantor // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1528–1533.
- [281] *Parracho, P.* Trading with Optimized Uptrend Pattern Template using a Genetic Algorithm Kernel / P. Parracho, R. Neves, N. Horta // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1894–1900.
- [282] Particle swarm optimization and evolutionary methods for plasmonic biomedical applications / S. Kessentini, D. Barchiesi, T. Grosjes, M. L. de la Chapelle // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2308–2313.
- [283] Particle Swarm Optimization-based Central Patter Generator for Robotic Fish Locomotion / I.-B. Jeong, C.-S. Park, K.-I. Na et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 152–157.
- [284] Particle Swarm Optimization for Load Balancing in Green Smart Homes / H. Lugo-Cordero, A. Fuentes-Rivera, R. Guha, E. Ortiz-Rivera // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 701–706.
- [285] Particle swarm optimization for sigle phase PWM inverters / T. Shindo, T. Kurihara, H. Taguchi, K. Jin'no // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2481–2485.
- [286] Peak-to-Average Power Ratio Reduction in OFDM Systems Using an Adaptive Differential Evolution Algorithm / S. Ghosh, S. Roy, D. Swagatam et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1940–1948.
- [287] *Perez, L.* New Bounds for the Relaxed Traveling Tournament Problems using an Artificial Immune Algorithm / L. Perez, M.-C. Riff // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 872–878.
- [288] *Peterson, G.* WoLF Ant / G. Peterson, C. Mayer, K. Cousin // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 994–1001.
- [289] *Piccolo, E.* Adaptive Opponent Modelling for the Iterated Prisoner's Dilemma / E. Piccolo, G. Squillero // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 835–840.

- [290] *Pilat, M.* ASM-MOMA: Multiobjective Memetic Algorithm with Aggregate Surrogate Model / M. Pilat, R. Neruda // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1207–1213.
- [291] *Pitangui, C.* Inductive Logic Programming Through Estimation of Distribution Algorithm / C. Pitangui, G. Zaverucha // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 54–61.
- [292] *Poladian, L.* A Genotype-To-Phenotype Mapping For Microstructured Polymer Optical Fibres / L. Poladian // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 378–385.
- [293] *Polushina, T.* Change-Point Detection in Biological Sequences via Genetic Algorithm / T. Polushina, G. Sofronov // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1965–1970.
- [294] *Prampero, P. S.* Magnetic Particle Swarm Optimization with Estimation of Distribution / P. S. Prampero, R. Attux // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1993–2000.
- [295] *Preen, R. J.* Arithmetic Dynamical Genetic Programming in the XCSF Learning Classifier System / R. J. Preen, L. Bull // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1427–1434.
- [296] Proposal of Distance-weighted Exponential Natural Evolution Strategies / N. Fukushima, Y. Nagata, S. Kobayashi, I. Ono // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 164–171.
- [297] *Raich, A.* Benefits of Implicit Redundant Representation Genetic Algorithms for Conceptual Design and Damage Identification / A. Raich, K. Fritz // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 6–13.
- [298] Restricted On-line Learning in Real-world Systems / S. Tomforde, A. Brameshuber, J. Haehner, C. Mueller-Schloer // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1627–1634.
- [299] *Reynolds, R.* Multi-Objective Cultural Algorithms / R. Reynolds, D. Liu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1238–1246.
- [300] *Roedland, T. A. L.* Classifying Glyphs by Combining Evolution and Learning / T. A. L. Roedland // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2068–2075.
- [301] *Rohlfshagen, P.* Ms Pac-Man versus Ghost Team CEC 2011 Competition / P. Rohlfshagen, S. Lucas // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 70–77.

- [302] *Rosberg, I.* Solving the Light Up with Ant Colony Optimization / I. Rosberg, E. Goldberg, M. Goldberg // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 566–573.
- [303] *Ross, B.* Evolution of Stochastic Bio-Networks Using Summed Rank Strategies / B. Ross // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 772–779.
- [304] *Rothman, D.* Do Multiple Trials Help Univariate Methods? / D. Rothman, S. Luke, K. Sullivan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2384–2391.
- [305] *Rudolph, G.* On Geometrically Fast Convergence to Optimal Dominated Hypervolume of Set-based Multiobjective Evolutionary Algorithms / G. Rudolph // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1718–1722.
- [306] *Saha, A.* How does the good old Genetic Algorithm fare at Real World Optimization? / A. Saha, T. Ray // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1048–1055.
- [307] *Saha, A.* Towards Practical Evolutionary Robust Multi-Objective Optimization / A. Saha, T. Ray, W. Smith // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2116–2123.
- [308] *Salekdeh, A. Y.* Improving Splice-Junctions Classification employing a Novel Encoding Schema and Decision-Tree / A. Y. Salekdeh, K. C. Wiese // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1301–1306.
- [309] *Sanchez, E.* Group Evolution: Emerging Synergy through a Coordinated Effort / E. Sanchez, G. Squillero, A. Tonda // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2649–2655.
- [310] *Sato, Y.* GPU Acceleration for Sudoku Solution with Genetic Operations / Y. Sato, N. Hasegawa, M. Sato // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 296–303.
- [311] *Segredo, E.* A Multiobjectivised Memetic Algorithm for the Frequency Assignment Problem / E. Segredo, C. Segura, C. Leon // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1137–1144.
- [312] Self Adaptive Cluster Based and Weed Inspired Differential Evolution Algorithm For Real World Optimization / U. Halder, S. Das, D. Maity et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 737–743.
- [313] Self-Assembly Quantum Dots Growth Prediction by Quantum-Inspired Linear Genetic Programming / D. Dias, A. Singulani, M. A. Pacheco et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2060–2067.

- [314] A Sequential Subspace Face Recognition Framework using Genetic-based Clustering / D. Zhang, S. Mabu, F. Wen, K. Hirasawa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 394–400.
- [315] *Seren, C.* A Hybrid Jumping Particle Swarm Optimization Method for High Dimensional Unconstrained Discrete Problems / C. Seren // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1648–1655.
- [316] *Seridi, K.* Multi-objective Evolutionary Algorithm for Biclustering in Microarrays Data / K. Seridi, L. Jourdan, E.-G. Talbi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2573–2579.
- [317] *Shaban-Nejad, A.* An Abstract Representation Model for Evolutionary Analysis of Multi-Agent Interactions / A. Shaban-Nejad, V. Haarslev // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2001–2008.
- [318] *Sharma, D.* Multi-Agent Approach for Profit Based Unit Commitment / D. Sharma, D. Srinivasan, A. Trivedi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2507–2513.
- [319] *Shelokar, P.* Subgraph Mining in Graph-based Data using Multiobjective Evolutionary Programming / P. Shelokar, Q. Arnaud, C. Oscar // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1729–1736.
- [320] *Shi, E. C.* An Adaptive Differential Evolution with Unsymmetrical Mutation / E. C. Shi, F. H. Leung, J. C. Lai // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1878–1885.
- [321] *Shi, Q.* Selective Motion Detection by Genetic Programming / Q. Shi, A. Song // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 496–503.
- [322] *Shirazi, A. S.* Hierarchical Self-Organized Learning in Agent-Based Modeling of the MAPK Signaling Pathway / A. S. Shirazi, S. von Mammen, C. Jacob // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2238–2244.
- [323] *Silva, D.* An Evolutionary Extreme Learning Machine Based on Group Search Optimization / D. Silva, L. Pacifico, T. Ludermir // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 760–766.
- [324] A Simple Optimization Method based on Backtrack and GA for Delivery Schedule / Y. Sakurai, K. Takada, N. Tsukamoto et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2777–2784.
- [325] Simultaneous Capacitor Placement and Reconfiguration for Loss Reduction in Distribution Networks by a Hybrid Genetic Algorithm / S. Madeiro, E. Galvao, C. Cavellucci et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2171–2178.

- [326] *Singh, H. K.* Performance of a Hybrid EA-DE-Memetic Algorithm on CEC 2011 Real World Optimization Problems / H. K. Singh, T. Ray // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1321–1325.
- [327] *Sonstrod, C.* Evolving Accurate and Comprehensible Classification Rules / C. Sonstrod, U. Johansson, R. Konig // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1435–1442.
- [328] *Srinivasan, D.* Co-evolutionary Bidding Strategies for Buyers in Electricity Power Markets / D. Srinivasan, T. T. Ly // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2499–2506.
- [329] SSGA and EDA Based Feature Selection and Weighting for Face Recognition / T. Abegaz, G. Dozier, K. Bryant et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1374–1380.
- [330] *Steiner, T.* Evolvability of Graph- and Vector Field Embryogeny Representations / T. Steiner, B. Sendhoff // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1271–1278.
- [331] Structure and Parameter Identification of Nonlinear Systems with an Evolution Strategy / J. Braun, J. Krettek, F. Hoffmann, T. Bertram // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2437–2444.
- [332] Studies of Pareto-based Multi-objective Competitive Coevolutionary Dynamics / F. Zeng, D. James, M. Y. H. Low et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2376–2383.
- [333] A Surrogate-Assisted Memetic Co-evolutionary Algorithm for Expensive Constrained Optimization Problems / C. K. Goh, D. Lim, L. Ma et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 731–736.
- [334] Taguchi-based Disturbance with Tournament Selection to Improve on MOPSO / C. nien Lin, C.-L. Huo, S.-Y. Lin et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1804–1809.
- [335] *Takahama, T.* Efficient Nonlinear Optimization by Differential Evolution with a Rotation-Invariant Local Sampling Operation / T. Takahama, S. Sakai // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2208–2215.
- [336] *Tantar, E.* On dynamic multi-objective optimization, classification and performance measures / E. Tantar, A.-A. Tantar, B. Pascal // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2746–2753.
- [337] *Tasgetiren, M. F.* A Discrete Artificial Bee Colony Algorithm For the Economic Lot Scheduling Problem / M. F. Tasgetiren, O. Bulut, M. M. Fadiloglu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 347–353.

- [338] *Thillainathan, L.* LRGA for Solving Profit based Generation Scheduling Problem in Competitive Environment / L. Thillainathan, D. Srinivasan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1153–1159.
- [339] *Tizzo, N. P.* Automatic Composition of Semantic Web Services Using A-Teams with Genetic Agents / N. P. Tizzo, J. M. A. Coello, E. Cardozo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 370–377.
- [340] *Tjiong, A.* Feature Selection with PSO and Kernel Methods for Hyperspectral Classification / A. Tjiong, S. Monteiro // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1761–1768.
- [341] *Toledo, C.* A Hybrid Heuristic Approach to Solve the Multi Level Capacitated Lot Sizing Problem / C. Toledo, R. Oliveira, P. Franca // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1199–1206.
- [342] Towards Human-like Social Multi-agents with Memetic Automaton / F. Liang, O. Yew-Soon, T. Ah-Hwee, C. Xian-Shun // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1091–1098.
- [343] *Tsang, H. H.* RNADPCompare: An Algorithm for Comparing RNA Secondary Structures Based on Image Processing Techniques / H. H. Tsang, C. Jacob // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1287–1294.
- [344] *Tsujimoto, T.* The Neighborhood of Canonical Deterministic PSO / T. Tsujimoto, T. Shindo, K. Jin'no // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1810–1816.
- [345] *Tsutsui, S.* Fast QAP Solving by ACO with 2-opt Local Search on a GPU / S. Tsutsui, N. Fujimoto // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 811–818.
- [346] *Tutum, C. C.* Multi-Criteria Layout Synthesis of MEMS Devices Using Memetic Computing / C. C. Tutum, Z. Fan // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 901–907.
- [347] Two-Stage Tabu - Particle Swarm Algorithms for the Facility Layout Problem with Size Constraints / W.-C. Chiang, G. Cai, X. Xu et al. // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1678–1685.
- [348] *Uchitane, T.* Applying Evolution Strategies to Biped Locomotion Learning in RoboCup 3D Soccer Simulation / T. Uchitane, T. Hatanaka // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 179–185.
- [349] Using Convex Quadratic Approximation as a Local Search Operator in Evolutionary Multiobjective Algorithms / A. Cruz, R. Cardoso, E. Wanner, R. Takahashi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1222–1229.

- [350] Using Recurrent ANNs for the Detection of Epileptic Seizures in EEG Signals / D. Rivero, E. Fernandez-Blanco, J. Dorado, A. Pazos // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 580–585.
- [351] *Valdes, J. J.* Evolutionary Computation Methods for Helicopter Loads Estimation / J. J. Valdes, C. Cheung, W. Wang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1588–1595.
- [352] Variable Size Genetic Network Programming with Binomial Distribution / B. Li, X. Li, S. Mabu, K. Hirasawa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 972–979.
- [353] *Vasicek, Z.* Evolutionary Design of Robust Noise-Specific Image Filters / Z. Vasicek, M. Bidlo // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 269–276.
- [354] *Vazquez, E.* An Evolutionary Algorithm for Tuning a Chess Evaluation Function / E. Vazquez, C. A. Coello Coello, F. Sagols // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 841–847.
- [355] *Vazquez, R. A.* Training Spiking Neural Models using Cuckoo Search Algorithm / R. A. Vazquez // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 665–672.
- [356] *Veroneze, R.* Assessing the Performance of a Swarm-based Biclustering Technique for Data Imputation / R. Veroneze, F. de Franca, F. J. Von Zuben // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 386–393.
- [357] *Walsh, P.* The Use of an Aesthetic Measure for the Evolution of Fractal Landscapes / P. Walsh, P. Gade // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1612–1618.
- [358] *Wang, H.* Adaptive Differential Evolution with Variable Population Size for Solving High-Dimensional Problems / H. Wang, S. Rahnamayan, Z. Wu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2619–2625.
- [359] *Wang, L.* Genetic Network Programming with Updating Rule Accumulation / L. Wang, S. Mabu, K. Hirasawa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2252–2259.
- [360] *Wang, Y.* Estimation of Distribution and Differential Evolution Cooperation for Real-world Numerical Optimization Problems / Y. Wang, B. Li, K. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1314–1320.
- [361] *Wei, J.* A Memetic Particle Swarm Optimization for Constrained Multi-objective Optimization Problems / J. Wei, M. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1635–1642.

- [362] *Wen, Y.* A Cooperative Coevolution-Based Pittsburgh Learning Classifier System Embedded with Memetic Feature Selection / Y. Wen, H. Xu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2408–2415.
- [363] *Wilcox, D.* Solving Virtual Machine Packing with a Reordering Grouping Genetic Algorithm / D. Wilcox, A. McNabb, K. Seppi // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 362–369.
- [364] *Wong, M.* Image Clustering Using Particle Swarm Optimization / M. Wong, X. He, W. chang Yeh // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 262–268.
- [365] *Wu, Y.* Fitness Landscape Analysis of Bayesian Network Structure Learning / Y. Wu, J. McCall, D. Corne // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 980–987.
- [366] *Xing, Y.* Pruning Generalized Rules for Stock Markets Accumulated by Genetic Network Programming with Rule Accumulation / Y. Xing, S. Mabu, K. Hirasawa // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2461–2467.
- [367] *Yagoubi, M.* Asynchronous Evolutionary Multi-Objective Algorithms with Heterogenous Evaluation Costs / M. Yagoubi, L. Thobois, M. Schoenauer // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 21–28.
- [368] *Yapicioglu, H.* Disservice Representation Using the Gini Coefficient in Semi-desirable Facility Location Problems / H. Yapicioglu, A. E. Smith // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 110–114.
- [369] *Ye, Z.* Strengthen Accuracy of Feature Recognition via Integration of Ant Colony Detection and Adaptive Contour Tracking / Z. Ye, H. Mohamadian // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1798–1803.
- [370] *Yoon, J.-W.* An Efficient Genetic Algorithm with Fuzzy c-Means Clustering for Traveling Salesman Problem / J.-W. Yoon, S.-B. Cho // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1451–1455.
- [371] *Yu, J. J.* Evolutionary Artificial Neural Network Based on Chemical Reaction Optimization / J. J. Yu, A. Y. Lam, V. O. Li // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2076–2083.
- [372] *Zamorano, A. G.* A Flexible Decentralised Communication Architecture on a Field Programmable Gate Array for Swarm System Simulations / A. G. Zamorano, J. Timmis, A. Tyrrell // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 230–237.
- [373] *Zhan, Z.* Orthogonal Learning Particle Swarm Optimization for Power Electronic Circuit Optimization with Free Search Range / Z. Zhan, J. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2543–2550.

- [374] *Zhang, H.* An Analysis of Multiple Particle Swarm Optimizers with Inertia Weight with Diverive Curiosity / H. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1753–1760.
- [375] *Zhang, H.* Assessment of An Evolutionary Particle Swarm Optimizer with Inertia Weight / H. Zhang // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 1745–1752.
- [376] *Zhong, W.* Evolutionary Dynamics of Continuous Strategy Games on Social Networks under Weak Selection: A Preliminary Study / W. Zhong, Y. Zhang, J. Liu // Proceedings of the 2011 IEEE Congress on Evolutionary Computation / ed. by A. E. Smith ; IEEE Computational Intelligence Society. — New Orleans, USA : IEEE Press, 2011. — 5-8 June. — P. 2494–2498.