

## Список литературы

- [Acan 04] Adnan Acan. *Clonal Selection Algorithm with Operator Multiplicity*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1909–1915, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Aguirre 04a] Hernan Aguirre & Kiyoshi Tanaka. *Effects of Elitism and Population Climbing on Multiobjective MNK-Landscapes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 449–456, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Aguirre 04b] Hernan Aguirre & Kiyoshi Tanaka. *Insights on Properties of Multiobjective MNK-Landscapes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 196–203, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Aldasht 04] Mohammed Aldasht, Julio Ortega, Carlos G. Puntonet & Antonio F. Diaz. *A Genetic Exploration of Dynamic Load Balancing Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1158–1163, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Aleti 04] Sree Harsha Aleti & Hugo de Garis. *Evolutionary Algorithms Based on Machine Learning Accelerate Mathematical Function Optimization but not Neural Net Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1172–1177, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Alkhalifah 04] Yaser Alkhalifah & Roger Wainwright. *A Genetic Algorithm Applied to Graph Problems Involving Subsets of Vertices*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 303–308, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Anderson 04] Carl Anderson, Eric Bonabeau & John Scott. *Evolutionary testing as both a testing and redesign tool: a study of a shipboard firemain's valve and pump controls*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1089–1097, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ando 04] Shin Ando & Hitoshi Iba. *Estimation of Gene Network using Real-coded GA and Robustness Analysis*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 827–834, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Annaluru 04] Rajeev Annaluru, Sanjoy Das & Anil Pahwa. *Multi-Level Ant Colony Algorithm for Optimal Placement of Capacitors in Distribution Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1932–1937, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Arnold 04] Dirk Arnold. *An Analysis of Evolutionary Gradient Search*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 47–54, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashburn 04] Trent Ashburn & Eric Bonabeau. *Interactive Inversion of Financial Markets Agent-Based Models*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 522–529, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04a] Daniel Ashlock & Kenneth Bryden. *Evolutionary Control of Lsystem Interpretation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2273–2279, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Ashlock 04b] Daniel Ashlock, Kenneth Bryden & Steven Corns. *On Taxonomy of Evolutionary Computation Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1713–1719, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04c] Daniel Ashlock & James Lathrop. *Program Induction: Building a Wall*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1844–1850, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04d] Daniel Ashlock & Jessica Oftelie. *Simulation of Floral Specialization in Bees*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1859–1864, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04e] Daniel Ashlock & Brad Powers. *The Effect of Tag Recognition on Non-Local Adaptation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2045–2051, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04f] Daniel Ashlock, Stephen Willson & Nicole Leahy. *Coevolution and Tartarus*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1618–1624, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ashlock 04g] Daniel Ashlock, Eun youn Kim & Warren von Roeschlaub. *Fingerprints: Enabling Visualization and Automatic Analysis of Strategies for Two Player Games*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 381–387, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Augugliaro 04] Antonino Augugliaro, Luigi Dusonchet, Salvatore Favuzza & Eleonora Riva Sanseverino. *A Fuzzy-Logic based Evolutionary Multiobjective Approach for Automated Distribution Networks Management*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 847–854, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bain 04] Stuart Bain, John Thornton & Abdul Sattar. *Evolving Algorithms for Constraint Satisfaction*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 265–272, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bajurnow 04] Andrei Bajurnow & Vic Ciesielski. *Layered Learning for Evolving Goal Scoring Behavior in Soccer Players*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1828–1835, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bandte 04] Oliver Bandte. *Visualizing Information in an Interactive Evolutionary Design Process*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 691–698, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bartz-Beielstein 04] Thomas Bartz-Beielstein & Sandor Markon. *Tuning Search Algorithms for Real-World Applications: A Regression Tree Based Approach*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1111–1118, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bernstein 04] Yaniv Bernstein, Xiaodong Li, Vic Ciesielski & Andy Song. *Multiobjective Parsimony Enforcement for Superior Generalisation Performance*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 83–89, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Bleuler 04] Stefan Bleuler, Amela Prelic & Eckart Zitzler. *An EA Framework for Biclustering of Gene Expression Data*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 166–173, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Blumenthal 04] Joseph Blumenthal & Gary Parker. *Punctuated Anytime Learning for Evolving Multi-Agent Capture Strategies*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1820–1827, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bonino 04] Dario Bonino, Fulvio Corno & Giovanni Squillero. *Dynamic Optimization of Semantic Annotation Relevance*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1301–1308, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Brabazon 04] Anthony Brabazon, Arlindo Silva, Tiago Ferra de Sousa, Michael O’Neill, Robin Matthews & Ernesto Costa. *Investigating Organizational Strategic Inertia Using a Particle Swarm Model*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 652–659, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Branke 04] Juergen Branke, Hartmut Schmeck, Kalyan Deb & Reddy.S Maheshwar. *Parallelizing Multi-Objective Evolutionary Algorithms: Cone Separation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1952–1957, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Brewster 04] Jon Brewster & Robert G. Reynolds. *Alternative Fuel Adoption*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2364–2371, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Bryden 04] Kenneth Bryden, Daniel Ashlock & Douglas McCorkle. *An Application of Graph Based Evolutionary Algorithms for Diversity Preservation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 419–426, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Burian 04] Adrian Burian & Jarmo Takala. *Evolved Gate Arrays for Image Restoration*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1185–1192, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Buzing 04] P. Buzing, A. Eiben, M. Schut & T. Toma. *Cooperation and Communication in Evolving Artificial Societies*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2030–2037, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cagnina 04] Leticia Cagnina, Susana Esquivel & Raul Gallard. *Particle Swarm Optimization for Sequencing Problems: A Case Study*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 536–541, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Castillo 04] Flor Castillo, Jeff Sweeney & Wayne Zirk. *Using Evolutionary Algorithms to Suggest Variable Transformations in Linear Model Lack-of-Fit Situations*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 556–560, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chakraborty 04] Uday Chakraborty. *Analysis of Encoding in 1+1-EA*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 911–917, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chan 04a] Kit Yan Chan, Emin Aydin & Terry Fogarty. *An Empirical Study on the Performance of Factorial Design Based Crossover on Parametrical Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 620–627, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Chan 04b] Kit Yan Chan, Emin Aydin & Terry Fogarty. *Parameterisation of Mutation in Evolutionary Algorithms Using the Estimated Main Effect of Genes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1972–1979, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chang 04] Ming Chang, Kazuhiro Ohkura, Kanji Ueda & Masaharu Sugiyama. *Modeling Coevolutionary Genetic Algorithms on Two-Bit Landscapes: Partnering Strategies*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2349–2356, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chen 04a] Anthony Chen, Piya Chootinan & Surachet Pravinvongvuth. *An Evolutionary Approach for Finding Optimal Automatic Vehicle Identification Reader Locations in Transportation Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 181–187, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chen 04b] Hua Chen & Deng guo Feng. *An Effective Evolutionary Strategy for Bijective S-boxes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2120–2123, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chen 04c] Jun Chen & Mark Wineberg. *Enhancement of the Shifting Balance Genetic Algorithm for Highly Multimodal Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 744–751, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chiang 04] Cheng-Hsiung Chiang & Liang-Hsuan Chen. *A New Cellular Automaton: Five Elements Balance Chart and Its Application to Forest Industry Ecosystem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1901–1908, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cho 04] Sung-Bae Cho & Chanhho Park. *Speciated GA for Optimal Ensemble Classifiers in DNA Microarray Classification*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 590–597, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chong 04] Siang Yew Chong & Xin Yao. *The Impact of Noise on Iterated Prisoner’s Dilemma with Multiple Levels of Cooperation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 348–355, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chow 04] Rick Chow. *Effects of Phenotypic Feedback and the Coupling of Genotypic and Phenotypic Spaces in Genetic Searches*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 242–249, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Chung-Yuan 04] Huang Chung-Yuan & Sun Chuen-Tsai. *Self-Adaptive Routing Based on Learning Classifier Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 678–682, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ciesielski 04] Vic Ciesielski & Xiang Li. *Experiments with Explicit For-loops in Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 494–501, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Clark 04a] John A. Clark, Jeremy L. Jacob & Susan Stepney. *The Design of S-Boxes by Simulated annealing*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1533–1537, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Clark 04b] John A. Clark, Jeremy L. Jacob & Susan Stepney. *Searching for Cost Functions*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1517–1524, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Coelho 04] Rajan Filomeno Coelho & Philippe Bouillard. *PAMUC II for Multicriteria Optimization of Mechanical Designs with Expert Rules*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 17–22, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cohen 04a] David Cohen. *EA-lect: An Evolutionary Algorithm for Constructing Logical Rules to Predict Election into Cooperstown*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1354–1361, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cohen 04b] David Cohen. *Using SAT Scores as Predictors for Future Academic Success*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 671–677, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cole 04] Nicholas Cole, Sushil Louis & Chris Miles. *Using a Genetic Algorithm to Tune First-Person Shooter Bots*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 139–145, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Corne 04] David Corne & Carey Pridgeon. *Investigating Issues in the Reconstructability of Genetic Regulatory Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 582–589, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Corno 04] Fulvio Corno, Ernesto Sanchez & Giovanni Squillero. *On The Evolution of Corewar Warriors*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 133–138, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cruz 04] Alfredo Cruz. *A Hybrid Deterministic/Genetic Test Generator to Improve Fault*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1325–1330, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Cui 04] Zhihua Cui, Jianchao Zeng & Xingjuan Cai. *A New Stochastic Particle Swarm Optimizer*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 316–319, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Curran 04] Dara Curran & Colm O’Riordan. *The Effect of Noise on the Performance of Cultural Evolution in Multi-Agent Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1767–1773, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Czarn 04] Andrew Czarn, Cara MacNish, Kaipillil Vijayan & Berwin Turlach. *Statistical Exploratory Analysis of Genetic Algorithms: The Importance of Interaction*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2288–2295, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dahal 04] Keshav P. Dahal, Tomasz A. Siewierski, Stuart J. Galloway, Graeme M. Burt & Jim R. McDonald. *An Evolutionary Generation Scheduling in an Open Electricity Market*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1135–1142, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Daida 04a] Jason Daida, Michael Samples, Bryan Hart, Jeffrey Halim & Aditya Kumar. *Demonstrating Constraints to Diversity with a Tunably Difficulty Problem for Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1217–1224, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Daida 04b] Jason Daida, David Ward, Adam Hilss, Stephen Long & Mark Hodges. *Visualizing the Loss of Diversity in Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1225–1232, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dandass 04] Yoginder Dandass. *Genetic List Scheduling for Soft Real-Time Parallel Applications*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1164–1171, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Daneshyari 04] Moayed Daneshyari & Gary Yen. *Talent Based Social Algorithm for Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 786–791, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Daoud 04] Mohammed Daoud, Nawwaf Kharma, Ali Haidar & Julius Popoola. *Ayo, the Awari Player, or How Better Representation Trumps Deeper Search*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1001–1006, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Day 04a] Richard Day, Mark Kleeman & Gary Lamont. *Multi-Objective fast messy Genetic Algorithm Solving Deception Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1502–1509, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Day 04b] Richard Day & Gary Lamont. *Force Field Approximations Using Artificial Neural Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1020–1027, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [de Garis 04a] Hugo de Garis & Thayne Batty. *"MULTI-MOD": A PC Based Software System for Handling the Interconnectivity and Neural Signaling of an Artificial brain containing 10,000 evolved neural net modules*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 816–819, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [de Garis 04b] Hugo de Garis & Thayne Batty. *Robust, Reversible, Nano-Scale, Femto-Second-Switching Circuits and their Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 639–645, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [De Jong 04] Edwin De Jong. *Towards a Bounded Pareto-Coevolution Archive*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2341–2348, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [de la Cruz-Garcia 04] Jesus Manuel de la Cruz-Garcia, Jose Luis Risco-Martin, Alberto Herran-Gonzalez & Pablo Fernandez-Blanco. *Hybrid Heuristic and Mathematical Programming in Oil Pipelines Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1479–1486, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [de Paula 04] Fabricio de Paula, Leandro de Castro & Paulo de Geus. *An Intrusion Detection System Using Ideas from the Immune System*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1059–1066, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [De San Pedro 04] Maria De San Pedro, Daniel Pandolfi, Andrea Villagra, Marta Lasso & Raul Gallard. *Effect of Crossover Operators under Multirecombination: Weighted Tardiness, a Test Case*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 699–705, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dengiz 04] Orhan Dengiz, Gerry V. Dozier & Alice E. Smith. *Non-deterministic Decoding with Memory to Enhance Precision in Binary-Coded Genetic Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2166–2172, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Denzinger 04] Joerg Denzinger, Ben Chan, Darryl Gates, Kevin Loose & John Buchanan. *Evolutionary behavior testing of commercial computer games*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 125–132, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Deschenes 04] Alain Deschenes & Kay C. Wiese. *Using Stacking-Energies (INN and INN-HB) for Improving the Accuracy of RNA Secondary Structure Prediction with an Evolutionary Algorithm - A Comparison to Known Structures*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 598–606, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Deugo 04] Dwight Deugo & Darrell Ferguson. *Evolution to the Xtreme: Evolving Evolutionary Strategies Using A Meta-Level Approach*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 31–38, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Devicharan 04] Deepak Devicharan & Chilukuri Mohan. *Particle Swarm Optimization with Adaptive Linkage Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 530–535, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Di Pietro 04] Anthony Di Pietro, Lyndon While & Luigi Barone. *Applying Evolutionary Algorithms to Problems with Noisy, Time-consuming Fitness Functions*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1254–1261, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dimopoulos 04] Christos Dimopoulos. *A Review of Evolutionary Multiobjective Optimization Applications in the Area of Production Research*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1487–1494, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ding 04] Shengchao Ding, Juan Liu, Chanle Wu & Qing Yang. *A genetic algorithm applied to optimal gene subset selection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1654–1660, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Doctor 04] Sheetal Doctor, Ganesh Venayagamoorthy & Venu Gudise. *Optimal PSO for Collective Robotic Search Applications*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1390–1395, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dorris 04] Nathan Dorris, Brian Carnahan, Luke Orsini & Lois-Ann Kuntz. *Interactive Evolutionary Design of Anthropomorphic Symbols*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 433–440, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dorrnsoro 04] Bernabe Dorrnsoro, Enrique Alba, Mario Giacobini & Marco Tomassini. *The Influence of Grid Shape and Asynchronicity on Cellular Evolutionary*

- Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2152–2158, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Doty 04] David Doty. *Non-local Evolutionary Adaptation in Gridplants*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1602–1609, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dozier 04a] Gerry V. Dozier. *Recurrent Distributed Constraint Satisfaction via Genetic and Evolutionary Societies of Hill-Climbers*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 273–279, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dozier 04b] Gerry V. Dozier, Douglas Brown, John Hurley & Krystal Cain. *Vulnerability Analysis of AIS-Based Intrusion Detection Systems via Genetic and Particle Swarm Red Teams*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 111–116, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dukkipati 04] Ambedkar Dukkipati, Narsimha Murty Musti & Shalabh Bhatnagar. *Cauchy Annealing Schedule: An Annealing Schedule for Boltzmann Selection Scheme in Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 55–62, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Dunn 04] Enrique Dunn, Gustavo Olague, Evelyne Lutton & Marc Schoenauer. *Pareto Optimal Sensing Strategies for an Active Vision System*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 457–463, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Eberbach 04] Eugene Eberbach & Andrew Eberbach. *On Designing CO\$T: A New Approach and Programming Environment for Distributed Problem Solving Based on Evolutionary Computation and Anytime Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1836–1843, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Eguchi 04] Toru Eguchi, Kotaro Hirasawa, Jinglu Hu & Sandor Markon. *Elevator Group Supervisory Control Systems Using Genetic Network Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1661–1667, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Enee 04] Gilles Enee & Cathy Escasut. *Evolution of Communication in a Genetic Based Multi-Agent System: Use Wise Resources*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2038–2044, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [English 04] Thomas English. *No More Lunch: Analysis of Sequential Search*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 227–234, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Eriksson 04] Roger Eriksson & Bjorn Olsson. *On the Performance of Evolutionary Algorithms with Life-time Adaptation in Dynamic Fitness Landscapes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1293–1300, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Eskridge 04] Brent Eskridge & Dean Hougen. *Imitating Success: A Memetic Crossover Operator for Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 809–815, Portland, Oregon, 20-23 June 2004. IEEE Press.



- [Esquivel 04] Susana Esquivel, Marcos Garcia, Guillermo Leguizamon & Maximiliano Ribba. *A Comparison of Two Mutation Operators for the Path Planning Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 879–883, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Eto 04] Shinji Eto, Kotaro Hirasawa & Jinglu Hu. *Functional Localization of Genetic Network Programming and its Application to a Pursuit Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 683–690, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fan 04] Zhun Fan, Erik Goodman, Wang Jiachuan, Rosenberg Ronald, Seo Kisung & Hu Jianjun. *Hierarchical Evolutionary Synthesis of MEMS*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2320–2327, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Farina 04] Marco Farina & Massimiliano Gobbi. *A fuzzy-optima definition based Multiobjective optimization of a racing car tyre-suspension system*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 9–16, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fernandez 04] Elsa Fernandez, Manuel Grana & Jesus Ruiz-Cabello. *An Instantaneous Memetic Algorithm for Illumination Correction*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1105–1110, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ferreira 04] Tiago Ferreira, Germano Vasconcelos & Paulo Adeodato. *A Hybrid Intelligent System Approach for Improving the Prediction of Real World Time Series*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 736–743, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Filipic 04] Bogdan Filipic & Tea Robic. *A Comparative Study of Coolant Flow Optimization on a Steel Casting Machine*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 569–573, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fletcher 04] Jeffrey Fletcher & Martin Zwick. *Hamilton’s Rule Applied to Reciprocal Altruism*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 994–1000, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fogel 04a] David B. Fogel. *Evolving Strategies in Blackjack*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1427–1434, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fogel 04b] David B. Fogel, Timothy Hays & Douglas Johnson. *A Platform for Evolving Characters in Competitive Games*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1420–1426, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Fogel 04c] Gary B. Fogel, Dana G. Weekes, Rangarajan Sampath & David J. Ecker. *Parameter Optimization of an Evolutionary Algorithm for RNA Structure Discovery*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 607–613, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Franken 04] Nelis Franken & Andries Engelbrecht. *PSO approaches to co-evolve IPD strategies*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 356–363, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Fuller 04] Joanne Fuller, William Millan & Ed Dawson. *Multi-objective Optimisation of Bijective S-boxes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1525–1532, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Funes 04] Pablo Funes, Eric Bonabeau, Jerome Herve & Yves Morieux. *Interactive Multi-Participant Task Allocation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1699–1705, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gao 04] Wei Gao. *Fast Immunized Evolutionary Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 666–670, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Garrett 04] Simon Garrett. *Parameter-Free, Adaptive Clonal Selection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1052–1058, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Goldstein 04] Michel Goldstein & Gary Yen. *An Evolutionary Algorithm Method for Sampling N-Partite Graphs*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2250–2257, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gomez 04a] Jonatan Gomez. *Evolution of Fuzzy Rule Based Classifiers*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1727–1734, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gomez 04b] Jonatan Gomez. *Self Adaptation of Operator Rates in Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1720–1726, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gonzalez 04] Luis Gonzalez & James Cannady. *A self-adaptive negative selection approach for anomaly detection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1561–1568, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gordon 04a] Scott Gordon & Zach Matley. *Evolving Sparse Direction Maps for Maze Pathfinding*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 835–838, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Gordon 04b] Scott Gordon & Terrill Slocum. *The Knight’s Tour - Evolutionary vs. Depth-First Search*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1435–1440, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Greenwood 04] Garrison Greenwood. *Differing Mathematical Perspectives of Genotype Space in Combinatorial Problems: Metric Spaces vs Pretopological Spaces*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 258–264, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Grosan 04] Crina Grosan. *Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon -dominance*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1958–1963, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Guo 04] Zigang Guo & K.L. Mak. *A Heuristic GA for The Stochastic Vehicle Routing Problems with Soft Time Windows*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1449–1456, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Gutierrez 04] Celia Gutierrez. *Heuristics in a General Scheduling Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 660–665, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Habib 04] Sami Habib & Alice Parker. *Synthesizing Complex Multimedia Network Topologies Using An Evolutionary Approach*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1193–1200, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hamaker 04] Janna Hamaker & Lois Boggess. *Non-Euclidean Distance Measures in AIRS, an Artificial Immune Classification System*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1067–1073, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Harding 04] Simon Harding & Julian Miller. *Evolution in materio : A Tone Discriminator In Liquid Crystal*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1800–1807, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hartono 04] Pitoyo Hartono, Shuji Hashimoto & Mattias Wahde. *Labeled-GA with Adaptive Mutation Rate*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1851–1858, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hatanaka 04] Toshiharu Hatanaka, Yoshio Kawaguchi & Katsuji Uosaki. *Nonlinear System Identification Based on Evolutionary Fuzzy Modeling*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 646–651, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hati 04] Subhas Hati & Somanth Sengupta. *A GA-Based Integrated Approach to Model-Assisted Matching and Pose Estimation for Automated Visual Inspection Applications*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1346–1353, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hayward 04] Serge Hayward. *Setting up Performance Surface of an Artificial Neural Network With Genetic Algorithm Optimization: in Search of an Accurate and Profitable Prediction for Stock Trading*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 948–954, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [He 04] Jun He, Xin Yao & Qingfu Zhang. *To Understand One-Dimensional Continuous Fitness Landscapes by Drift Analysis*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1248–1253, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hernandez-Aguirre 04a] Arturo Hernandez-Aguirre, Salvador Botello-Rionda & Carlos Coello-Coello. *PASSSS: An Implementation of a Novel Diversity Strategy for Handling Constraints*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 403–410, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hernandez-Aguirre 04b] Arturo Hernandez-Aguirre & Carlos Coello-Coello. *Mutual Information-based Fitness Functions for Evolutionary Circuit Synthesis*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1309–1316, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hernandez 04a] German Hernandez, Dipankar Dasgupta, Fernando Nino & Julian Garcia. *On Geometric and Statistical Properties of the Attractors of a Generic Evolutionary Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1240–1247, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Hernandez 04b] Julio Cesar Hernandez & Pedro Isasi. *New results on the genetic cryptanalysis of TEA and reduced-round versions of XTEA*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2124–2129, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hernandez 04c] Julio Cesar Hernandez, Pedro Isasi & Andre Sez nec. *On the design of state-of-the-art pseudorandom number generators by means of genetic programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1510–1516, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hingston 04] Philip Hingston & Graham Kendall. *Learning versus Evolution in Iterated Prisoner’s Dilemma*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 364–372, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ho 04] Nhu Binh Ho & Joc Cing Tay. *GENACE: An Efficient Cultural Algorithm to Solve the Flexible Job-Shop Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1759–1766, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hong 04] Jin-Hyuk Hong & Sung-Bae Cho. *Evolution of Emergent Behaviors for Shooting Game Characters in Robocode*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 634–638, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hotz 04a] Peter Eggenberger Hotz. *Asymmetric cell division in artificial evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2180–2186, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hotz 04b] Peter Eggenberger Hotz. *Comparing direct and developmental encoding schemes in artificial evolution: A case study in evolving lens shapes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 752–757, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hou 04] Haiyu Hou & Gerry V. Dozier. *Comparing Performance of Binary-Coded and Constraint-Based Detectors*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 772–777, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hu 04a] Jianjun Hu & Erik Goodman. *Wireless Access Point Configuration by Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1178–1184, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hu 04b] Xiaohui Hu, Yuhui Shi & Russell Eberhart. *Recent Advances in Particle Swarm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 90–97, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hughes 04] Evan Hughes. *Swarm Guidance using a Multi-Objective Co-evolutionary On-Line Evolutionary Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2357–2363, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Hunter 04] David Hunter. *Some Lessons Learned on Constructing an Automated Testbench for Evolvable Hardware Experiments*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1808–1812, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Inoue 04] Yutaka Inoue, Takahiro Tohge & Hitoshi Iba. *Object Transportation by Two Humanoid Robots using Cooperative Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1201–1208, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ippolito 04] Mariano Ippolito, Eleonora Riva Sanseverino & Ferruccio Vuinovich. *Multiobjective Ant Colony Search Algorithm For Optimal Electrical Distribution System Strategic Planning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1924–1931, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Isaacs 04] Jason Isaacs & Simon Foo. *Optimized Wavelet Hand Pose Estimation for American Sign Language Recognition*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 797–802, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ishibuchi 04] Hisao Ishibuchi & Kaname Narukawa. *Performance Evaluation of Simple Multiobjective Genetic Local Search Algorithms on Multiobjective 0/1 Knapsack Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 441–448, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Jang 04] Jun-Su Jang, Kuk-Hyun Han & Jong-Hwan Kim. *Face Detection using Quantum-inspired Evolutionary Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2100–2106, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ji 04a] Zhaowang Ji, Anthony Chen & Kittu Subprasom. *Finding Multi-Objective Paths in Stochastic Networks: A Simulation-based Genetic Algorithm Approach*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 174–180, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ji 04b] Zhou Ji & Dipankar Dasgupta. *Augmented Negative Selection Algorithm with Variable-Coverage Detectors*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1081–1088, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Jin 04] Yaochu Jin, Tatsuya Okabe & Bernhard Sendhoff. *Neural network regularization and ensembling using multi-objective evolutionary algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1–8, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Johnson 04] Rodney Johnson, Michael Melich, Zbigniew Michalewicz & Martin Schmidt. *Coevolutionary TEMPO Game*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1610–1617, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Jones 04] Philip Jones, Ashutosh Tiwari, Rajkumar Roy & John Corbett. *Optimisation of the High Efficiency Deep Grinding Process with Fuzzy Fitness Function and Constraints*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 574–581, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kamio 04] Shotaro Kamio & Hitoshi Iba. *Evolutionary Construction of a Simulator for Real Robots*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2202–2209, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Kang 04] Lishan Kang, Aimin Zhou, Robert I. McKay, Yan Li & Zhuo Kang. *Benchmarking Algorithms for Dynamic Travelling Salesman Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1286–1292, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Katada 04] Yoshiaki Katada, Kazuhiro Ohkura & Kanji Ueda. *The Nei's Standard Genetic Distance in Artificial Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1233–1239, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Katare 04] Santhoji Katare, Alex Kalos & David West. *A Hybrid Swarm Optimizer for Efficient Parameter Estimation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 309–315, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Katsumata 04] Yuji Katsumata & Takao Terano. *Cabling and Scheduling for Electric Power Plant Operation via TABU-BOA Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1675–1682, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kendall 04a] Graham Kendall & Kristian Spoerer. *Scripting the Game of Lemmings with a Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 117–124, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kendall 04b] Graham Kendall, Razali Yaakob & Philip Hingston. *An Investigation of an Evolutionary Approach to the Opening of Go*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2052–2059, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kennedy 04] James Kennedy. *Probability and Dynamics in the Particle Swarm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 340–347, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kephart 04] David Kephart & Jeff Lefevre. *CodeGen: The Generation and Testing of DNA Code Words*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1865–1873, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Khabzaoui 04] Mohammed Khabzaoui, Clarisse Dhaenens & El-Ghazali Talbi. *A Multicriteria Genetic Algorithm to analyze DNA microarray data*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1874–1881, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Khan 04] Mozammel H.A. Khan & Marek A Perkowski. *Genetic Algorithm Based Synthesis of Multi-Output Ternary Functions Using Quantum Cascade of Generalized Ternary Gates*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2194–2201, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kicinger 04] Rafal Kicinger, Tomasz Arciszewski & Kenneth De Jong. *Morphogenesis and Structural Design: Cellular Automata Representations of Steel Structures in Tall Buildings*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 411–418, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kimbrough 04] Steven Kimbrough, Ming Lu & Soofi Safavi. *Exploring a Financial Product Model with a Two-Population Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 855–862, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [kin Chow 04] Chi kin Chow & Hung tat Tsui. *Autonomous Agent Response Learning by a Multi-Species Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 778–785, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kleeman 04] Mark Kleeman, Richard Day & Gary Lamont. *Multi-Objective Evolutionary Search Performance with Explicit Building-Block Sizes for NPC Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 728–735, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kobayashi 04] Yoko Kobayashi & Eitaro Aiyoshi. *Optimization Algorithm Using Multi-Agents and Reinforcement Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 63–68, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kobti 04] Ziad Kobti, Robert G. Reynolds & Tim Kohler. *The Effect of Kinship Cooperation Learning Strategy and Culture on the Resilience of Social Systems in the Village Multi-Agent Simulation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1743–1750, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Koduru 04] Praveen Koduru, Sanjoy Das, Stephen Welch & Judith L. Roe. *A Multi-objective GA-Simplex Hybrid Approach for Gene Regulatory Network Models*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2084–2091, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Koeppen 04] Mario Koeppen. *No-Free-Lunch Theorems and the Diversity of Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 235–241, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Korczak 04] Jerzy J. Korczak & Piotr Lipinski. *Evolutionary building of stock trading experts in a real-time system*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 940–947, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kordon 04] Arthur Kordon & Ching-Tai Lue. *Symbolic Regression Modeling of Blown Film Process Effects*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 561–568, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Kotani 04] Manabu Kotani & Daisuke Kato. *Feature Extraction Using Coevolutionary Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 614–619, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Krink 04] Thiemo Krink, Bogdan Filipic, Gary B. Fogel & Rene Thomsen. *Noisy Optimization Problems - A Particular Challenge for Differential Evolution?* In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 332–339, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Krohling 04] Renato A. Krohling, Frank Hoffmann & Leandro dos Santos Coelho. *Coevolutionary Particle Swarm Optimization for Min-Max Problems using Gaussian Distribution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 959–964, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Krusienski 04] Dean Krusienski & W. Kenneth Jenkins. *Particle Swarm Optimization for Adaptive IIR Filter Structures*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 965–970, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Lamont 04] Gary Lamont, Mark Esslinger, Robert Ewing & Hoda Abdel-Aty-Zohdy. *An Artificial Immune System Strategy for Robust Chemical Spectra Classification via Distributed Heterogeneous Sensors*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1036–1043, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Lasso 04] Marta Lasso, Daniel Pandolfi, Maria De San Pedro, Andrea Villagra & Raul Gallard. *Solving Dynamic Tardiness Problems in Single Machine Environments*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1143–1149, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Lee 04] Greg Lee, Vadim Bulitko & Ilya Levner. *Automated Selection of Vision Operator Libraries with Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1127–1134, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Legg 04] Shane Legg, Marcus Hutter & Akshat Kumar. *Tournament versus Fitness Uniform Selection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2144–2151, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Leon 04] Elizabeth Leon, Olfa Nasraoui & Jonatan Gomez. *Anomaly Detection Based on Unsupervised Niche Clustering with Application to Network Intrusion Detection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 502–508, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Lichodziejewski 04] Peter Lichodziejewski, Nur Zincir-Heywood & Malcolm Heywood. *Cascaded GP Models for Data Mining*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2258–2264, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Liu 04a] Hongwei Liu & Hitoshi Iba. *A Hierarchical Approach for Adaptive Humanoid Robot Control*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1546–1553, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Liu 04b] Yu Liu, Zheng Qin & Xingshi He. *Supervisor-Student Model in Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 542–547, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Lucas 04] Simon Lucas. *Cellz: A Simple Dynamic Game for Testing Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1007–1014, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Lucidarme 04] Philippe Lucidarme. *An Evolutionary Algorithm for Multi-Robot Unsupervised Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2210–2215, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Malinchik 04] Sergey Malinchik, Belinda Orme, Joseph Rothermich & Eric Bonabeau. *Interactive Exploratory Data Analysis*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1098–1104, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Mark 04] Alexandra Mark, Bernhard Sendhoff & Heiko Wersing. *A Decision Making Framework for Game Playing Using Evolutionary Optimization and*



- Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 373–380, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Marwaha 04] Shivanajay Marwaha, Dipti Srinivasan, Chen Khong Tham & Athanasios Vasilakos. *Evolutionary Fuzzy Multi-Objective Routing For Wireless Mobile Ad Hoc Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1964–1971, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Miguelanez 04] Emilio Miguelanez, Ali Zalzal & Paul Tabor. *Evolving Neural Networks using Swarm Intelligence for Binmap Classification*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 978–985, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Miles 04] Chris Miles, Sushil Louis, Nicholas Cole & John McDonnell. *Learning to Play Like a Human: Case Injected Genetic Algorithms for Strategic Computer Gaming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1441–1448, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Miller 04] Damon Miller, Rodrigo Arguello & Garrison Greenwood. *Evolving Artificial Neural Network Structures: Experimental Results for Biologically-Inspired Adaptive Mutations*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2114–2119, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Mohais 04] Arvind Mohais, Christopher Ward & Christian Posthoff. *Randomized Directed Neighborhoods with Edge Migration in Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 548–555, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Mostaghim 04a] Sanaz Mostaghim, Michael Hoffmann, Peter H. Koenig, Thomas Frauenheim & Juergen Teich. *Molecular Force Field Parametrization using Multi-Objective Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 212–219, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Mostaghim 04b] Sanaz Mostaghim & Juergen Teich. *Covering Pareto-optimal Fronts by Subswarms in Multi-objective Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1404–1411, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Mumford 04] Christine Mumford. *A Hierarchical Evolutionary Approach to Multi-Objective Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1944–1951, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nagata 04] Yuichi Nagata. *Criteria for designing crossovers for TSP*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1465–1472, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nakagoe 04] Hiroshi Nakagoe, Kotaro Hirasawa & Jinglu Hu. *Genetic Network Programming with Automatically Generated Variable Size Macro Nodes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 713–719, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nakamura 04] Morikazu Nakamura, Naruhiko Yamashiro & Yiyuan Gong. *Iterative Parallel and Distributed Genetic Algorithms with Biased Initial Population*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2296–2301, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Neal 04] Mark Neal & Frederic Labrosse. *Rotation-invariant appearance based maps for robot navigation using an artificial immune network algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 863–870, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nedjah 04] Nadia Nedjah & Luiza Mourelle. *Secure Evolutionary Hardware for Public-Key Cryptosystems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2130–2137, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Neel 04] Andrew Neel, Max Garzon & Phani Penumetsa. *Soundness and Quality of Semantic Retrieval in DNA-based Memories with Abiotic Data*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1889–1895, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Neumann 04] Frank Neumann. *Expected Runtimes of Evolutionary Algorithms for the Eulerian Cycle Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 904–910, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nguyen 04] Xuan Hoai Nguyen & McKay Robert Ian. *An Investigation on the Roles of Insertion and Deletion Operators in Tree Adjoining Grammar Guided Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 472–477, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nicosia 04] Giuseppe Nicosia, Vincenzo Cutello & Mario Pavone. *An Immune Algorithm with Hyper-Macromutations for the 2D Hydrophilic-Hydrophobic Model*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1074–1080, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nojima 04] Yusuke Nojima, Naoyuki Kubota & Fumio Kojima. *Trajectory Generation and Accumulation for Partner Robots based on Structured Learning*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2224–2229, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Noman 04] Nasimul Noman, Kouichi Okada, Naoki Hosoyama & Hitoshi Iba. *Use of Clustering to Improve the Layout of Gene Network for Visualization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2068–2075, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Nuser 04] Maryam Nuser & Russell Deaton. *A Probabilistic Analysis of in Vitro Selection of Independent DNA Words for Computation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1882–1888, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Oh 04a] Choong Oh & Gregory Barlow. *Autonomous Controller Design for Unmanned Aerial Vehicles using Multi-objective Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1538–1545, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Oh 04b] Jae Oh & Dimitri Volper. *Design of Rationality-based Computing Middleware: A Preliminary Study*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 839–846, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Okabe 04] Tatsuya Okabe, Yaochu Jin, Bernhard Sendhoff & Markus Olhofer. *Voronoi-based Estimation of Distribution Algorithm for Multi-objective Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1594–1601, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Oltean 04] Mihai Oltean. *Solving Even-Parity Problems using Traceless Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1813–1819, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [O’Neill 04] Michael O’Neill, Anthony Brabazon & Catherine Adley. *The Automatic Generation of Programs for Classification Problems with Grammatical Swarm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 104–110, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ono 04] Isao Ono, Yoshiaki Seike, Ryohei Morishita, Norihiko Ono & Masahiko Matsui. *An Evolutionary Algorithm Taking Account of Mutual Interactions among Substances for Inference of Genetic Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2060–2067, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [O’Riordan 04] Colm O’Riordan, Josephine Griffith, John Newell & Humphrey Sorensen. *Co-evolution of Strategies for an N-player Dilemma*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1625–1630, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Osmera 04] Pavel Osmera. *Evolvable Controllers with Hierarchical Structure*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 758–765, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ostrowski 04] David Ostrowski & Robert G. Reynolds. *Using Cultural Algorithms to Evolve Strategies for Recessiary Markets*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1780–1785, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ouellette 04] Robert Ouellette, Matthew Browne & Kotaro Hirasawa. *Genetic Algorithm Optimization of a Convolutional Neural Network for Autonomous Crack Detection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 516–521, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ozcan 04] Ender Ozcan & Esin Onbasioglu. *Genetic Algorithms for Parallel Code Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1375–1381, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Parker 04a] Gary Parker. *Partial Recombination for the Co-Evolution of Model Parameters*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2216–2223, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Parker 04b] Gary Parker & Joseph Blumenthal. *Varying Sample Sizes for the Co-Evolution of Heterogeneous Agents*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 766–771, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Parmee 04] Ian Parmee & Johnson Abraham. *Supporting Implicit Learning via the Visualisation of COGA Multi-objective Data*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 395–402, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Parrott 04] Daniel Parrott & Xiaodong Li. *A Particle Swarm Model for Tracking Multiple Peaks in a Dynamic Environment using Speciation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 98–103, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Parsopoulos 04] Konstantinos Parsopoulos, Dimitris Tasoulis, Nicos Pavlidis, Vassilis Plagianakos & Michael Vrahatis. *Vector Evaluated Differential Evolution for Multiobjective Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 204–211, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Paterlini 04] Sandra Paterlini & Thiemo Krink. *High Performance Clustering with Differential Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2004–2011, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Paul 04] Topon Paul & Hitoshi Iba. *Selection of the Most Useful Subset of Genes for Gene Expression-Based Classification*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2076–2083, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Peng 04] Bin Peng & Robert G. Reynolds. *Cultural Algorithms: Knowledge Learning in Dynamic Environments*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1751–1758, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Pfaffmann 04] Jeffrey Pfaffmann, Konstantinos Bousmalis & Silvano Colombano. *A Scouting-Inspired Evolutionary Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1706–1712, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Piaseczny 04] Wojciech Piaseczny, Hideaki Suzuki & Hidefumi Sawai. *Chemical Genetic Programming - Evolution of Amino Acid Rewriting Rules Used for Genotype-Phenotype Translation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1639–1646, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [ping Chen 04] Ying ping Chen & David Goldberg. *Convergence Time for the Linkage Learning Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 39–46, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Pirzada 04] Asad Pirzada, Amitava Datta & Chris McDonald. *Trusted Routing in Ad-hoc Networks using Pheromone Trails*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1938–1943, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Pulido 04] Gregorio Toscano Pulido & Carlos Coello-Coello. *A Constraint-Handling Mechanism for Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1396–1403, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Randall 04] Marcus Randall. *Heuristics for Ant Colony Optimisation using the Generalised Assignment Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1916–1923, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ray 04] Tapabrata Ray, Neelakantam Venkatarayalu, Kok Sung Won & Kian Ping Chan. *Study on the Behaviour and Implementation of Parent Centric Crossover within the Generalized Generation Gap Model*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1996–2003, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ross 04] Peter Ross, Javier G. Marin-Blazquez & Emma Hart. *Hyper-heuristics applied to Class and Exam Timetabling problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1691–1698, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Rowland 04] Jem Rowland. *On Genetic Programming and Knowledge Discovery in Transcriptome Data*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 158–165, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [S. 04a] Baskar S., A. Alphones & Ponnuthurai Nagaratnam Suganthan. *Concurrent PSO and FDR-PSO based reconfigurable Phase-Differentiated Antenna Array Design*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2173–2179, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [S. 04b] Baskar S. & Ponnuthurai Nagaratnam Suganthan. *A Novel Concurrent Particle Swarm Optimization (CPSO)*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 792–796, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sait 04] Sadiq M. Sait & Muhammad Al-Ismael. *Enhanced Simulated Evolution Algorithm For Digital Circuit Design Yielding Faster Execution in a Larger Solution Space*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1794–1799, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Salomon 04a] Ralf Salomon. *The Curse of High-Dimensional Search Spaces: Observing Premature Convergence in Unimodal Functions*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 918–923, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Salomon 04b] Ralf Salomon. *The Force Model: Concept, Behavior, Interpretation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1119–1126, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sanchez 04a] Ernesto Sanchez, Giovanni Squillero & Massimo Violante. *A Local Analysis of the Genotype-Fitness Mapping in Hardware Optimization Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 871–878, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sanchez 04b] Javier J. Sanchez, Manuel Galan & Enrique Rubio. *Genetic Algorithms and Cellular Automata: A New Architecture for Traffic Light Cycles Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1668–1674, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Santos 04] Erinaldo Santos & Takaaki Ohishi. *A Hydro Unit Commitment Model Using Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1368–1374, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sarif 04] Bambang Sarif, Mostafa Abd-El-Barr, Sadiq M. Sait & Uthman Al-Saiari. *Fuzzified Ant Colony Optimization Algorithm for Efficient Combinational Circuits*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1317–1324, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sastry 04] Kumara Sastry, Martin Pelikan & David Goldberg. *Efficiency Enhancement of Genetic Algorithms via Building-Block-Wise Fitness Estimation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 720–727, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sato 04] Hiroyuki Sato, Hernan Aguirre & Kiyoshi Tanaka. *Local Dominance Using Polar Coordinates to Enhance Multiobjective Evolutionary Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 188–195, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Schoenemann 04] Lutz Schoenemann. *The Impact of Population Sizes and Diversity on the Adaptability of Evolution Strategies in Dynamic Environments*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1270–1277, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Schonfeld 04] Justin Schonfeld & Daniel Ashlock. *Comparison of Robustness of Solutions Located by Evolutionary Computation and Other Search Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 250–257, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sedighi 04] Kamran Sedighi, Kaveh Ashenayi, Theodore Manikas, Heng-Ming Tai & Roger Wainwright. *Autonomous Local Path-Planning for a Mobile Robot Using a Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1338–1345, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Seo 04] Daekwan Seo, Moritoshi Yasunaga & Jung Hwan Kim. *A Computational Approach to Detect Transcription Regulatory Elements in Dictyostelium Discoideum*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1647–1653, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Seredynski 04] Marcin Seredynski & Pascal Bouvry. *Block Cipher based on Reversible Cellular Automata*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2138–2143, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Shan 04] Yin Shan, Robert I. McKay, Rohan Baxter, Hussein Abbass, Daryl Essam & Hoai Nguyen. *Grammar Model-based Program Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 478–485, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sheng 04] Weiguo Sheng & Xiaohui Liu. *A Hybrid Algorithm for K-medoid Clustering of Large Data Sets*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 77–82, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Shuyuan 04a] Yang Shuyuan, Wang Min & Jiao Licheng. *A Novel Quantum Evolutionary Algorithm And Its Application*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 820–826, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Shuyuan 04b] Yang Shuyuan, Wang Min & Jiao Licheng. *A Quantum Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 320–324, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Simionescu 04] P. A. Simionescu, D. G. Beale & Gerry V. Dozier. *Constrained Optimization Problem Solving Using Estimation of Distribution Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 296–302, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Simsek 04] Burak Simsek, Sahin Albayrak & Alexander Korth. *Reinforcement Learning for Procurement Agents of the Factory of the Future*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1331–1337, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sinka 04] Mark Sinka & David Corne. *Evolving Document Features for Web Document Clustering: A Feasibility Study*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 891–897, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Slade 04] Wayne Slade, Habtom Resson, Mohamad Musavi & Richard Miller. *Ocean Color Inversion by Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 971–977, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Smith 04] Kevin Smith, Richard Everson & Jonathan Fieldsend. *Dominance Measures for Multi-Objective Simulated Annealing*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 23–30, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Song 04] Andy Song & Vic Ciesielski. *Texture Analysis by Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2092–2099, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Speer 04] Nora Speer, Christian Spieth & Andreas Zell. *A Memetic Co-Clustering Algorithm for Gene Expression Profiles and Biological Annotation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1631–1638, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Spieth 04a] Christian Spieth, Felix Streichert, Nora Speer & Andreas Zell. *A Memetic Inference Method for Gene Regulatory Networks Based on S-Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 152–157, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Spieth 04b] Christian Spieth, Felix Streichert, Nora Speer & Andreas Zell. *Utilizing an Island Model for EA to Preserve Solution Diversity for Inferring Gene Regulatory Networks*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 146–151, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Stanhope 04] Stephen Stanhope. *Evolution Strategies for Multivariate-to-Anything Partially Specified Random Vector Generation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2235–2240, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Stephan 04] Craig Stephan & John Sullivan. *An Agent-Based Hydrogen Vehicle/Infrastructure Model*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1774–1779, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Stoica 04] Adrian Stoica, Tughrul Arslan, Didier Keymeulen, Vu Duong, Ricardo Zebulum, Xin Guo, Ian Ferguson & Taher Daud. *Evolutionary Recovery of Electronic Circuits from Radiation Induced Faults*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1786–1793, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Streichert 04] Felix Streichert, Holger Ulmer & Andreas Zell. *Evaluating a Hybrid Encoding and Three Crossover Operators on the Constrained Portfolio Selection Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 932–939, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sun 04a] Jun Sun, Bin Feng, Wenbo Xu, Jing Liu & Ling Bao. *Particle Swarm Optimization with Particles Having Quantum Behavior*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 325–331, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Sun 04b] Xiaolu Sun & Winfried Just. *Evolution of Strategies in Modified Sequential Assessment Games*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 388–394, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Suram 04] Sunil Suram, Kenneth Bryden & Daniel Ashlock. *Quantitative Trait Loci based Solution of an Inverse Radiation Heat Transfer Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 427–432, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Takahashi 04] Osamu Takahashi & Shigenobu Kobayashi. *An Angular Distance Dependent Alternation Model for Real-Coded Genetic Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2159–2165, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tanaka-Yamawaki 04] Mieko Tanaka-Yamawaki & Tomohiro Motoyama. *Predicting the Tick-wise Price Fluctuations by Means of Evolutional Computation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 955–958, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tanev 04] Ivan Tanev, Thomas Ray & Andrzej Buller. *Evolutionary Design, Robustness and Adaptation of Sidewinding Locomotion of Simulated Limbless Wheelless Robot*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2312–2319, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tang 04] Ke Tang, Ponnuthurai Nagaratnam Suganthan & Xin Yao. *Generalized Lda Using Relevance Weighting and Evolution Strategy*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2230–2234, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tasgetiren 04] M. Fatih Tasgetiren, Mehmet Sevkli, Yun-Chia Liang & Gunes Gencyilmaz. *Particle Swarm Optimization Algorithm For Single Machine Total Weighted Tardiness Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1412–1419, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tasoulis 04] Dimitris Tasoulis, Nicos Pavlidis, Vassilis Plagianakos & Michael Vrahatis. *Parallel Differential Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2023–2029, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tavares 04] Jorge Tavares, Francisco Pereira & Ernesto Costa. *Understanding the Role of Insertion and Correction in the Evolution of Golomb Rulers*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 69–76, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Teredesai 04] Ankur Teredesai & Venu Govindaraju. *Issues in Evolving GP based Classifiers for a Pattern Recognition Task*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 509–515, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Thomsen 04] Rene Thomsen. *Multimodal Optimization Using Crowding-Based Differential Evolution*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1382–1389, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Timmis 04] Jonathan Timmis, Camilla Edmonds & Johnny Kelsey. *Assessing the Performance of Two Immune Inspired Algorithms and a Hybrid Genetic Algorithm for Function Optimisation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1044–1051, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tinos 04] Renato Tinos & Andre Carvalho. *A Genetic Algorithm with Gene Dependent Mutation Probability for Non-Stationary Optimization Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1278–1285, Portland, Oregon, 20-23 June 2004. IEEE Press.



- [Tomassini 04] Marco Tomassini, Leonardo Vanneschi, Jerome Cuendet & Francisco Fernandez. *A New Technique for Dynamic Size Populations in Genetic Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 486–493, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tongchim 04] Shisanu Tongchim & Xin Yao. *Parallel Evolutionary Programming*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1362–1367, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Treptow 04] Andre Treptow & Andreas Zell. *Combining Adaboost Learning and Evolutionary Search to select Features for Real-Time Object Detection*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2107–2113, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tsutsui 04] Shigeyoshi Tsutsui & Gordon Wilson. *Solving Capacitated Vehicle Routing Problems Using Edge Histogram Based Sampling Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1150–1157, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Tulai 04] Alexander Tulai & Franz Oppacher. *Maintaining Diversity and Increasing the Accuracy of Classification Rules through Automatic Speciation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2241–2249, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Ulmer 04] Holger Ulmer, Felix Streichert & Andreas Zell. *Evolution Strategies with Controlled Model Assistance*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1569–1576, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Uosaki 04] Katsuji Uosaki, Yuuya Kimura & Toshiharu Hatanaka. *Evolution Strategies Based Particle Filters for State and Parameter Estimation of Nonlinear Models*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 884–890, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Uyar 04] A. Sima Uyar & H. Turgut Uyar. *An Event-Driven Test Framework for Evolutionary Algorithms in Dynamic Environments*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2265–2272, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Venkatraman 04] Sangameswar Venkatraman & Gary Yen. *A Simple Elitist Genetic Algorithm for Constrained Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 288–295, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Verel 04] Sebastien Verel, Philippe Collard & Manuel Clergue. *Scuba Search: when selection meets innovation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 924–931, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Vesterstroem 04] Jakob Vesterstroem & Rene Thomsen. *A Comparative Study of Differential Evolution, Particle Swarm Optimization, and Evolutionary Algorithms on Numerical Benchmark Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1980–1987, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Vigraham 04] Saranyan Vigraham & John Gallagher. *On the Relative Efficacies of Space Saving \*CGAs for Evolvable Hardware Applications*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2187–2193, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Walker 04] Reginald L. Walker. *Honeybee Search Strategies: Adaptive Exploration of an Information Ecosystem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1209–1216, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Walsh 04] Paul Walsh & Pio Fenton. *A High-Throughput Computing Environment for Job Shop Scheduling Genetic Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1554–1560, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Watanabe 04] Isamu Watanabe & Makoto Nodu. *A Genetic Algorithm for Optimizing Switching Sequence of Service Restoration in Distribution Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1683–1690, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Wei 04] Jyh-Da Wei & Der-Tsai Lee. *A New Approach to the Traveling Salesman Problem Using Genetic Algorithms with Priority Encoding*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1457–1464, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Weinberg 04] Benjamin Weinberg & El-Ghazali Talbi. *NFL theorem is unusable on structured classes of problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 220–226, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [White 04] Christopher White & Gary Yen. *A Hybrid Evolutionary Algorithm for Traveling Salesman Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1473–1478, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Won 04] Kok Sung Won & Tapabrata Ray. *Performance of Kriging and Cokriging based Surrogate Models within the Unified Framework for Surrogate Assisted Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1577–1585, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Wong 04] Tony Wong, Pascal Cote & Robert Sabourin. *A Hybrid MOEA for the Capacitated Exam Proximity Problem*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1495–1501, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Wood 04] David Wood & Junghuei Chen. *Fredkin Gate Circuits via Recombination Enzymes*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1896–1900, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Wu 04] Zhijian Wu, Zhilong Tang, Jun Zou, Lishan Kang & Mingbiao Li. *An Evolutionary Algorithm for Solving Parameter Identification Problems in Elliptic Systems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 803–808, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Xie 04a] Xiao-Feng Xie, Wen-Jun Zhang & De-Chun Bi. *Handling Equality Constraints by Adaptive Relaxing Rule for Swarm Algorithms*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2012–2016, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Xie 04b] Xiao-Feng Xie, Wen-Jun Zhang & De-Chun Bi. *Optimizing Semiconductor Devices by Self-organizing Particle Swarm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2017–2022, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Xu 04] Yong Xu, Sancho Salcedo-Sanz & Xin Yao. *Non-standard Cost Terminal Assignment Problems Using Tabu Search Approach*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2302–2306, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yang 04a] Jinn-Moon Yang & Tsai-Wei Shen. *A Pharmacophore-Based Evolutionary Approach for Screening Estrogen Receptor Antagonists*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1028–1035, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yang 04b] Shengxiang Yang. *Constructing Dynamic Test Environments for Genetic Algorithms Based on Problem Difficulty*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1262–1269, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yannakakis 04] Georgios Yannakakis, John Levine & John Hallam. *An Evolutionary Approach for Interactive Computer Games*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 986–993, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yapicioglu 04] Haluk Yapicioglu, Gerry V. Dozier & Alice E. Smith. *Bi-criteria model for Locating a Semi-desirable Facility on a Plane Using Particle Swarm Optimization*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2328–2334, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yong-Duk 04] Kim Yong-Duk, Kim Jong-Hwan & Kim Yong-Jae. *Behavior Selection and Learning for Synthetic Character*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 898–903, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yuchi 04] Ming Yuchi & Jong-Hwan Kim. *Grouping-based Evolutionary Algorithm: Seeking Balance Between Feasible and Infeasible Individuals of Constrained Optimization Problems*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 280–287, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Yun 04] Yeboon Yun, Hirotaka Nakayama & Masao Arakawa. *Fitness Evaluation using Generalized Data Envelopment Analysis in MOGA*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 464–471, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zhang 04a] Funing Zhang & Gerry V. Dozier. *A Comparison of Distributed Restricted Recombination Operators for Genetic and Evolutionary Societies of Hill-Climbers: A DisACSP Perspective*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1988–1995, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zhang 04b] Guang-Zheng Zhang & De-Shuang Huang. *Radial Basis Function Neural Network Optimized by GA for Soybean Protein Sequence Residue Spatial Distance Prediction*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1015–1019, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zhang 04c] Jian Zhang, Xiaohui Yuan & Bill Buckles. *Subspace FDC for Sharing Distance Estimation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1735–1742, Portland, Oregon, 20-23 June 2004. IEEE Press.

- [Zhang 04d] Jun Zhang, H.s.h. Chung & B.J. Hu. *Adaptive Probabilities of Crossover and Mutation in Genetic Algorithms Based on Clustering Technique*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2280–2287, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zhang 04e] Wen-Jun Zhang, Xiao-Feng Xie & De-Chun Bi. *Handling Boundary Constraints for Numrical Optimization by Particle Swarm Flying in Periodic Search Space*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2307–2311, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zheng 04] Jinhua Zheng, Charles X. Ling, Zhongzhi Shi & Yong Xie. *Some Discussions about MOGAs: Individual Relations, Non-dominated Set, and Application on Automatic Negotiation*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 706–712, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zhou 04] Zongzhao Zhou, Yew Soon Ong & Prasanth B. Nair. *Hierarchical Surrogate-Assisted Evolutionary Optimization Framework*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 1586–1593, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zou 04a] Peng Zou, Zhi Zhou, Guoliang Chen & Xin Yao. *A Novel Memetic Algorithm with Random Multi-local-search: A case study of TSP*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 2335–2340, Portland, Oregon, 20-23 June 2004. IEEE Press.
- [Zou 04b] Yi Zou, Zhenquan Zhuang & Huanhuan Chen. *HW-SW Partitioning Based on Genetic Algorithm*. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pages 628–633, Portland, Oregon, 20-23 June 2004. IEEE Press.