Список литературы

[1] Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, eds. *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012.

[2] Lanza-Gutierrez JM, Gómez-Pulido JA, Vega-Rodríguez MA, Sánchez-Pérez JM. Optimizing Energy Consumption in Heterogeneous Wireless Sensor Networks by Means of Evolutionary Algorithms. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 1–10.

[3] LaRoche P, Zincir-Heywood AN, Heywood MI. Protocol Discovery and Analysis via Live Interaction. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 11–20.

[4] Limmer S, Fey D, Lohmann U, Jahns J. Evolutionary Design of Active Free Space Optical Networks Based on Digital Mirror Devices. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 21–30.

[5] Tabia N, Gondran A, Baala O, Caminada A. Frequency Robustness Optimization with respect to Traffic Distribution for LTE System. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 31–40.

[6] Arsuaga-Ríos M, Prieto-Castrillo F, Vega-Rodríguez MA. Small-World Optimization applied to Job Scheduling on Grid Environments from a Multi-Objective perspective. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 41–50.

[7] García-Sánchez P, Eiben A, Haasdijk E, Weel B, Merelo-Guervós JJ. Testing Diversity-Enhancing Migration Policies for Hybrid On-line Evolution of Robot Controllers. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited

by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 51–60.

[8] Kuyucu T, Tanev I, Shimohara K. Evolutionary Optimization of Pheromone-based Stigmergic Communication. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 61–70.

[9] Pacula M, Ansel J, Amarasinghe S, O'Reilly UM. Hyperparameter Tuning in Bandit-Based Adaptive Operator Selection. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 71–80.

[10] Richter H. Analyzing Dynamic Fitness Landscapes of the Targeting Problem of Chaotic Systems. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 81–90.

[11] Trueba P, Prieto A, Bellas F, Caamaño P, Duro RJ. Self-Organization and Specialization in Multiagent Systems through Open-ended Natural Evolution. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 91–100.

[12] Turkey M, Poli R. An Empirical Tool for Analysing the Collective Behaviour of Population-based Algorithms. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 101–110.

[13] Wang CG, Szeto KY. Sales Potential Optimization on Directed Social Networks: A Quasi-Parallel Genetic Algorithm Approach. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 111–120.

[14] Weel B, Haasdijk E, Eiben A. The Emergence of Multi-Robot Organisms using On-line On-board evolution. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 121–130.

[15] Agapitos A, O'Neill M, Brabazon A. Evolving Seasonal Forecasting Models with Genetic Programming for Pricing Weather-derivatives. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 131–140.

[16] Arriaga J, Valenzuela-Rendón M. Steepest Ascent Hill Climbing for Portfolio Selection. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 141–150.

[17] Azzini A, Dragoni M, Tettamanzi AG. A Neuro-Evolutionary Approach to Intraday Financial Modeling. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 151–160.

[18] Duran FEC, Cotta C, Fernández-Leiva AJ. A Comparative Study of Multi-Objective Evolutionary Algorithms to Optimize the Selection of Investment Portfolios with Cardinality Constraints. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 161–169.

[19] Contreras I, Hidalgo JI, Núñez-Letamendia L. A GA combining Technical and Fundamental Analysis for trading the Stock Market. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 170–179.

[20] Mayo M. Evolutionary Data Selection for Enhancing Models of Intraday Forex Time Series. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva

S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 180–189.

[21] Cook M, Colton S, Gow J. Initial Results From Co-operative Co-evolution For Automated Platformer Design. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 190–199.

[22] Font JM. Evolving Third-Person Shooter Enemies to Optimize Player Satisfaction in Real-Time. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 200–209.

[23] Lamers MH, van Eck W. Why Simulate? Hybrid Biological-Digital Games. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 210–219.

[24] Mahlmann T, Togelius J, Yannakakis GN. Spicing up Map Generation. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 220–229.

[25] Mora A, Ares AF, Merelo-Guervós JJ, García-Sánchez P. Dealing with Noisy Fitness in a RTS Game Bot Design. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 230–240.

[26] Nogueira M, Cotta C, Fernández-Leiva AJ. On Modeling, Evaluating and Increasing Players' Satisfaction Quantitatively: Steps towards a Taxonomy. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 241–250.

[27] Perez D, Rohlfshagen P, Lucas S. Monte-Carlo Tree Search for the Physical Travelling Salesman Problem. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega

F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 251–260.

[28] Preuss M, Burelli P, Yannakakis GN. Diversified Virtual Camera Composition. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 261–270.

[29] Shaker N, Yannakakis GN, Togelius J. Digging Deeper into Platform Game Level Design: Session Size and Sequential Features. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 271–280.

[30] Iacca G, Caraffini F, Neri F, Mininno E. Robot Base Disturbance Optimization with Compact Differential Evolution Light. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 281–290.

[31] Bocchi L, Rogai F. A Genetic Fuzzy Rules Learning Approach for Unseeded Segmentation in Echography. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 301–310.

[32] Clemente E, Olague G, Dozal L, Mancilla M. Object Recognition with an Optimized Visual Cortex Model using Genetic Programming. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 311–320.

[33] Dozal L, Olague G, Clemente E, Sánchez M. Evolving Visual Attention Programs through EVO Features. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 321–330.

[34] Hernández D, Olague G, Clemente E, Dozal L. Evolutionary Purposive or Behavioral Vision: The Link between Perception and Action. In: *Applications of Evolutionary Computing,*

EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 331–340.

[35] Kramer O. On Evolutionary Approaches to Unsupervised Nearest Neighbor Regression. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 341–350.

[36] Salo H, Tirronen V, Neri F. Evolutionary Regression Machines for Precision Agriculture. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 351–360.

[37] Karafotias G, Smit S, Eiben A. A Generic Approach to Parameter Control. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 361–370.

[38] Krenek T, Ruthmair M, Raidl G, Planer M. Applying (Hybrid) Metaheuristics to Fuel Consumption Optimization of Hybrid Electric Vehicles. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 371–380.

[39] Shukla PK, Hirsch C, Schmeck H. Towards a Deeper Understanding of Trade-offs using Multi-objective Evolutionary Algorithms. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 391–400.

[40] Cagnoni S, Bacchini A, Mussi L. OpenCL Implementation of Particle Swarm Optimization: A fair Comparison between CPU and GPU Performances. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 401–410.

[41] Fazenda P, McDermott J, O'Reilly UM. A Library to Run Evolutionary Algorithms in the Cloud using MapReduce. In: *Applications of Evolutionary Computing, EvoApplications2012:*

EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 411–420.

[42] Jaros J, Pospichal P. A Fair Comparison of Modern CPUs and GPUs Running the Genetic Algorithm under the Knapsack Benchmark. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 421–430.

[43] Laredo JLJ, Bouvry P, Mostaghim S, Merelo-Guervós JJ. Validating a Peer-to-Peer Evolutionary Algorithm. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 431–440.

[44] Merelo-Guervós JJ, Mora A, Cruz JA, Esparcia AI. Pool-based Distributed Evolutionary Algorithms using an Object Database. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 441–450.

[45] Millan-Ruiz D, Hidalgo JI. Migration and Replacement Policies for Preserving Diversity in Dynamic Environments. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 451–460.

[46] Radenski A. Distributed Simulated Annealing with MapReduce. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 461–470.

[47] Sherry D, Veeramachaneni K, McDermott J, O'Reilly UM. FlexGP: Genetic Programming on the Cloud. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 471–480.

[48] Skormin V, Nykodym T, Dolgikh A, Antonakos J. Customized Normalcy Profiles for the Detection of Targeted Attacks. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 481–490.

[49] Chicano F, Cervantes A, Luna F, Recio G. A Novel Multiobjective Formulation of the Robust Software Project Scheduling Problem. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 491–500.

[50] Kyngas N, Goossens D, Nurmi K, Kyngas J. Optimizing the Unlimited Shift Generation Problem. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 501–510.

[51] Mavrovouniotis M, Yang S. Ant Colony Optimization with Immigrants Schemes for the Dynamic Vehicle Routing Problem. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 511–520.

[52] Pineda LE, Eiben A, van Steen M. Evolving Communication in Robotic Swarms using On-line, On-board, Distributed Evolutionary Algorithms. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 521–530.

[53] Simões A, Costa E. Virtual Loser Genetic Algorithm for Dynamic Environments. In: *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, edited by Di Chio C, Agapitos A, Cagnoni S, Cotta C, Fernandez de Vega F, Di Caro GA, Drechsler R, Ekart A, Esparcia-Alcazar AI, Farooq M, Langdon WB, Merelo JJ, Preuss M, Richter H, Silva S, Simoes A, Squillero G, Tarantino E, Tettamanzi AGB, Togelius J, Urquhart N, Uyar AS, Yannakakis GN, vol. 7248 of *LNCS*. Malaga, Spain: Springer Verlag. 2012; pp. 531–540.