

Список литературы

- [Agapitos et al.(2012)Agapitos, O'Neill, and Brabazon] Alexandros Agapitos, Michael O'Neill, and Anthony Brabazon. *Evolving Seasonal Forecasting Models with Genetic Programming for Pricing Weather-derivatives*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 131–140 (Springer Verlag, Malaga, Spain, 2012).
- [Arriaga and Valenzuela-Rendón(2012)] Jonathan Arriaga and Manuel Valenzuela-Rendón. *Steepest Ascent Hill Climbing for Portfolio Selection*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 141–150 (Springer Verlag, Malaga, Spain, 2012).
- [Arsuaga-Ríos et al.(2012)Arsuaga-Ríos, Prieto-Castrillo, and Vega-Rodríguez] María Arsuaga-Ríos, Francisco Prieto-Castrillo, and Miguel A. Vega-Rodríguez. *Small-World Optimization applied to Job Scheduling on Grid Environments from a Multi-Objective perspective*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 41–50 (Springer Verlag, Malaga, Spain, 2012).
- [Azzini et al.(2012)Azzini, Dragoni, and Tettamanzi] Antonia Azzini, Mauro Dragoni, and Andrea G.B. Tettamanzi. *A Neuro-Evolutionary Approach to Intraday Financial Modeling*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 151–160 (Springer Verlag, Malaga, Spain, 2012).
- [Bocchi and Rogai(2012)] Leonardo Bocchi and Francesco Rogai. *A Genetic Fuzzy Rules Learning Approach for Unseeded Segmentation in Echography*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 301–310 (Springer Verlag, Malaga, Spain, 2012).
- [Cagnoni et al.(2012)Cagnoni, Bacchini, and Mussi] Stefano Cagnoni, Alessandro Bacchini, and Luca Mussi. *OpenCL Implementation of Particle Swarm Optimization: A fair Comparison between CPU and GPU Performances*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni,

- Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 401–410 (Springer Verlag, Malaga, Spain, 2012).
- [Chicano et al.(2012)Chicano, Cervantes, Luna, and Recio] Francisco Chicano, Alejandro Cervantes, Francisco Luna, and Gustavo Recio. *A Novel Multiobjective Formulation of the Robust Software Project Scheduling Problem*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 491–500 (Springer Verlag, Malaga, Spain, 2012).
- [Clemente et al.(2012)Clemente, Olague, Dozal, and Mancilla] Eddie Clemente, Gustavo Olague, León Dozal, and Martín Mancilla. *Object Recognition with an Optimized Visual Cortex Model using Genetic Programming*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 311–320 (Springer Verlag, Malaga, Spain, 2012).
- [Contreras et al.(2012)Contreras, Hidalgo, and Núñez-Letamendia] Iván Contreras, José Ignacio Hidalgo, and Laura Núñez-Letamendia. *A GA combining Technical and Fundamental Analysis for trading the Stock Market*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 170–179 (Springer Verlag, Malaga, Spain, 2012).
- [Cook et al.(2012)Cook, Colton, and Gow] Michael Cook, Simon Colton, and Jeremy Gow. *Initial Results From Co-operative Co-evolution For Automated Platformer Design*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 190–199 (Springer Verlag, Malaga, Spain, 2012).
- [Di Chio et al.(2012)Di Chio, Agapitos, Cagnoni, Cotta, Fernandez de Vega, Di Caro, Drechsler, Ekart, Esparcia-Alcazar, Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.). *Applications of Evolutionary*

- Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS* (Springer Verlag, Malaga, Spain, 2012).
- [Dozal et al.(2012)Dozal, Olague, Clemente, and Sánchez] León Dozal, Gustavo Olague, Eddie Clemente, and Marco Sánchez. *Evolving Visual Attention Programs through EVO Features*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 321–330 (Springer Verlag, Malaga, Spain, 2012).
- [Duran et al.(2012)Duran, Cotta, and Fernández-Leiva] Feijoo E. Colomine Duran, Carlos Cotta, and Antonio J. Fernández-Leiva. *A Comparative Study of Multi-Objective Evolutionary Algorithms to Optimize the Selection of Investment Portfolios with Cardinality Constraints*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 161–169 (Springer Verlag, Malaga, Spain, 2012).
- [Fazenda et al.(2012)Fazenda, McDermott, and O'Reilly] Pedro Fazenda, James McDermott, and Una-May O'Reilly. *A Library to Run Evolutionary Algorithms in the Cloud using MapReduce*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 411–420 (Springer Verlag, Malaga, Spain, 2012).
- [Font(2012)] José M. Font. *Evolving Third-Person Shooter Enemies to Optimize Player Satisfaction in Real-Time*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 200–209 (Springer Verlag, Malaga, Spain, 2012).
- [García-Sánchez et al.(2012)García-Sánchez, Eiben, Haasdijk, Weel, and Merelo-Guervós] Pablo García-Sánchez, A.E. Eiben, Evert Haasdijk, Berend Weel, and Juan-J Merelo-Guervós. *Testing Diversity-Enhancing Migration Policies for Hybrid On-line Evolution of Robot Controllers*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 51–60 (Springer Verlag, Malaga, Spain, 2012).

- [Hernández et al.(2012)Hernández, Olague, Clemente, and Dozal] Daniel Hernández, Gustavo Olague, Eddie Clemente, and León Dozal. *Evolutionary Purposive or Behavioral Vision: The Link between Perception and Action*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 331–340 (Springer Verlag, Malaga, Spain, 2012).
- [Iacca et al.(2012)Iacca, Caraffini, Neri, and Mininno] Giovanni Iacca, Fabio Caraffini, Ferrante Neri, and Ernesto Mininno. *Robot Base Disturbance Optimization with Compact Differential Evolution Light*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 281–290 (Springer Verlag, Malaga, Spain, 2012).
- [Jaros and Pospichal(2012)] Jiri Jaros and Petr Pospichal. *A Fair Comparison of Modern CPUs and GPUs Running the Genetic Algorithm under the Knapsack Benchmark*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 421–430 (Springer Verlag, Malaga, Spain, 2012).
- [Karafotias et al.(2012)Karafotias, Smit, and Eiben] Giorgos Karafotias, S.K. Smit, and A.E. Eiben. *A Generic Approach to Parameter Control*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 361–370 (Springer Verlag, Malaga, Spain, 2012).
- [Kramer(2012)] Oliver Kramer. *On Evolutionary Approaches to Unsupervised Nearest Neighbor Regression*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 341–350 (Springer Verlag, Malaga, Spain, 2012).
- [Krenek et al.(2012)Krenek, Ruthmair, Raidl, and Planer] Thorsten Krenek, Mario Ruthmair, Günther Raidl, and Michael Planer. *Applying (Hybrid) Metaheuristics to Fuel Consumption Optimization of Hybrid Electric Vehicles*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss,

- Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 371–380 (Springer Verlag, Malaga, Spain, 2012).
- [Kuyucu et al.(2012)Kuyucu, Tanev, and Shimohara] Tuze Kuyucu, Ivan Tanev, and Katsunori Shimohara. *Evolutionary Optimization of Pheromone-based Stigmergic Communication*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 61–70 (Springer Verlag, Malaga, Spain, 2012).
- [Kyngas et al.(2012)Kyngas, Goossens, Nurmi, and Kyngas] Nico Kyngas, Dries Goossens, Kimmo Nurmi, and Jari Kyngas. *Optimizing the Unlimited Shift Generation Problem*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 501–510 (Springer Verlag, Malaga, Spain, 2012).
- [Lamers and van Eck(2012)] Maarten H. Lamers and Wim van Eck. *Why Simulate? Hybrid Biological-Digital Games*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 210–219 (Springer Verlag, Malaga, Spain, 2012).
- [Lanza-Gutierrez et al.(2012)Lanza-Gutierrez, Gómez-Pulido, Vega-Rodríguez, and Sánchez-Pérez] José Manuel Lanza-Gutierrez, Juan Antonio Gómez-Pulido, Miguel A. Vega-Rodríguez, and Juan Manuel Sánchez-Pérez. *Optimizing Energy Consumption in Heterogeneous Wireless Sensor Networks by Means of Evolutionary Algorithms*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 1–10 (Springer Verlag, Malaga, Spain, 2012).
- [Laredo et al.(2012)Laredo, Bouvry, Mostaghim, and Merelo-Guervós] Juan Luis Jiménez Laredo, Pascal Bouvry, Sanaz Mostaghim, and Juan-J Merelo-Guervós. *Validating a Peer-to-Peer Evolutionary Algorithm*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX,*

EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC, volume 7248 of *LNCS*, pp. 431–440 (Springer Verlag, Malaga, Spain, 2012).

- [LaRoche et al.(2012)LaRoche, Zincir-Heywood, and Heywood] Patrick LaRoche, A. Nur Zincir-Heywood, and Malcolm I. Heywood. *Protocol Discovery and Analysis via Live Interaction*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 11–20 (Springer Verlag, Malaga, Spain, 2012).
- [Limmer et al.(2012)Limmer, Fey, Lohmann, and Jahns] Steffen Limmer, Dietmar Fey, Ulrich Lohmann, and Jürgen Jahns. *Evolutionary Design of Active Free Space Optical Networks Based on Digital Mirror Devices*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 21–30 (Springer Verlag, Malaga, Spain, 2012).
- [Mahlmann et al.(2012)Mahlmann, Togelius, and Yannakakis] Tobias Mahlmann, Julian Togelius, and Georgios N. Yannakakis. *Spicing up Map Generation*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 220–229 (Springer Verlag, Malaga, Spain, 2012).
- [Mavrovouniotis and Yang(2012)] Michalis Mavrovouniotis and Shengxiang Yang. *Ant Colony Optimization with Immigrants Schemes for the Dynamic Vehicle Routing Problem*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 511–520 (Springer Verlag, Malaga, Spain, 2012).
- [Mayo(2012)] Michael Mayo. *Evolutionary Data Selection for Enhancing Models of Intraday Forex Time Series*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 180–189 (Springer Verlag, Malaga, Spain, 2012).
- [Merelo-Guervós et al.(2012)Merelo-Guervós, Mora, Cruz, and Esparcia] Juan-J Merelo-Guervós, Antonio Mora, J. Albert Cruz, and Anna I Esparcia. *Pool-based Distributed Evolutionary*

- Algorithms using an Object Database*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 441–450 (Springer Verlag, Malaga, Spain, 2012).
- [Millan-Ruiz and Hidalgo(2012)] David Millan-Ruiz and José Ignacio Hidalgo. *Migration and Replacement Policies for Preserving Diversity in Dynamic Environments*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 451–460 (Springer Verlag, Malaga, Spain, 2012).
- [Mora et al.(2012)] Mora, Ares, Merelo-Guervós, and García-Sánchez] Antonio Mora, Antonio Fernández Ares, Juan-J Merelo-Guervós, and Pablo García-Sánchez. *Dealing with Noisy Fitness in a RTS Game Bot Design*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 230–240 (Springer Verlag, Malaga, Spain, 2012).
- [Nogueira et al.(2012)] Nogueira, Cotta, and Fernández-Leiva] Mariela Nogueira, Carlos Cotta, and Antonio J. Fernández-Leiva. *On Modeling, Evaluating and Increasing Players’ Satisfaction Quantitatively: Steps towards a Taxonomy*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 241–250 (Springer Verlag, Malaga, Spain, 2012).
- [Pacula et al.(2012)] Pacula, Ansel, Amarasinghe, and O’Reilly] Maciej Pacula, Jason Ansel, Saman Amarasinghe, and Una-May O’Reilly. *Hyperparameter Tuning in Bandit-Based Adaptive Operator Selection*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 71–80 (Springer Verlag, Malaga, Spain, 2012).
- [Perez et al.(2012)] Perez, Rohlfshagen, and Lucas] Diego Perez, Philipp Rohlfshagen, and Simon Lucas. *Monte-Carlo Tree Search for the Physical Travelling Salesman Problem*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero,

- Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 251–260 (Springer Verlag, Malaga, Spain, 2012).
- [Pineda et al.(2012)Pineda, Eiben, and van Steen] Luis E. Pineda, A.E. Eiben, and Marteen van Steen. *Evolving Communication in Robotic Swarms using On-line, On-board, Distributed Evolutionary Algorithms*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 521–530 (Springer Verlag, Malaga, Spain, 2012).
- [Preuss et al.(2012)Preuss, Burelli, and Yannakakis] Mike Preuss, Paolo Burelli, and Georgios N. Yannakakis. *Diversified Virtual Camera Composition*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 261–270 (Springer Verlag, Malaga, Spain, 2012).
- [Radenski(2012)] Atanas Radenski. *Distributed Simulated Annealing with MapReduce*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 461–470 (Springer Verlag, Malaga, Spain, 2012).
- [Richter(2012)] Hendrik Richter. *Analyzing Dynamic Fitness Landscapes of the Targeting Problem of Chaotic Systems*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 81–90 (Springer Verlag, Malaga, Spain, 2012).
- [Salo et al.(2012)Salo, Tirronen, and Neri] Heikki Salo, Ville Tirronen, and Ferrante Neri. *Evolutionary Regression Machines for Precision Agriculture*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 351–360 (Springer Verlag, Malaga, Spain, 2012).

- [Shaker et al.(2012)Shaker, Yannakakis, and Togelius] Noor Shaker, Georgios N. Yannakakis, and Julian Togelius. *Digging Deeper into Platform Game Level Design: Session Size and Sequential Features*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 271–280 (Springer Verlag, Malaga, Spain, 2012).
- [Sherry et al.(2012)Sherry, Veeramachaneni, McDermott, and O'Reilly] Dylan Sherry, Kalyan Veeramachaneni, James McDermott, and Una-May O'Reilly. *FlexGP: Genetic Programming on the Cloud*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 471–480 (Springer Verlag, Malaga, Spain, 2012).
- [Shukla et al.(2012)Shukla, Hirsch, and Schmeck] Pradyumn Kumar Shukla, Christian Hirsch, and Hartmut Schmeck. *Towards a Deeper Understanding of Trade-offs using Multi-objective Evolutionary Algorithms*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 391–400 (Springer Verlag, Malaga, Spain, 2012).
- [Simões and Costa(2012)] Anabela Simões and Ernesto Costa. *Virtual Loser Genetic Algorithm for Dynamic Environments*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 531–540 (Springer Verlag, Malaga, Spain, 2012).
- [Skormin et al.(2012)Skormin, Nykodym, Dolgikh, and Antonakos] Victor Skormin, Tomas Nykodym, Andrey Dolgikh, and James Antonakos. *Customized Normalcy Profiles for the Detection of Targeted Attacks*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 481–490 (Springer Verlag, Malaga, Spain, 2012).
- [Tabia et al.(2012)Tabia, Gondran, Baala, and Caminada] Nourredine Tabia, Alexandre Gondran, Oumaya Baala, and Alexandre Caminada. *Frequency Robustness Optimization with respect to Traffic Distribution for LTE System*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart,

- Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 31–40 (Springer Verlag, Malaga, Spain, 2012).
- [Trueba et al.(2012)Trueba, Prieto, Bellas, Caamaño, and Duro] Pedro Trueba, Abraham Prieto, Francisco Bellas, Pilar Caamaño, and Richard J. Duro. *Self-Organization and Specialization in Multiagent Systems through Open-ended Natural Evolution*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 91–100 (Springer Verlag, Malaga, Spain, 2012).
- [Turkey and Poli(2012)] Mikdam Turkey and Riccardo Poli. *An Empirical Tool for Analysing the Collective Behaviour of Population-based Algorithms*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 101–110 (Springer Verlag, Malaga, Spain, 2012).
- [Wang and Szeto(2012)] Crown Guan Wang and Kwok Yip Szeto. *Sales Potential Optimization on Directed Social Networks: A Quasi-Parallel Genetic Algorithm Approach*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 111–120 (Springer Verlag, Malaga, Spain, 2012).
- [Weel et al.(2012)Weel, Haasdijk, and Eiben] Berend Weel, Evert Haasdijk, and A.E. Eiben. *The Emergence of Multi-Robot Organisms using On-line On-board evolution*. In Cecilia Di Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, F. Fernandez de Vega, Gianni A. Di Caro, Rolf Drechsler, Aniko Ekart, Anna I Esparcia-Alcazar, Muddassar Farooq, William B. Langdon, Juan J. Merelo, Mike Preuss, Hendrik Richter, Sara Silva, Anabela Simoes, Giovanni Squillero, Ernesto Tarantino, Andrea G. B. Tettamanzi, Julian Togelius, Neil Urquhart, A. Sima Uyar, and Georgios N. Yannakakis (eds.) *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pp. 121–130 (Springer Verlag, Malaga, Spain, 2012).