

## Список литературы

- [Arriaga:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 141–150, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Arsuaga:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 41–50, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Azzini:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 151–160, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Cagnoni:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 401–410, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Clemente:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 311–320, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Contreras:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 170–179, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[DiChio:2012:EvoApps] 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, editors. *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Dozal:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 321–330, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Font:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 200–209, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Hernandez:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 331–340, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Iacca:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 281–290, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[KUYUCU:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 61–70, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Mavrovouniotis:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 511–520, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[Mora:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 230–240, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [Perez:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 251–260, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Salo:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 351–360, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Shaker:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 271–280, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Skormin:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 481–490, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Tabia:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET,*

*EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 31–40, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [Turkey:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 101–110, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Wang:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 111–120, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [Weel:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 121–130, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [agapitos:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 131–140, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [bocchi:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 301–310, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[chicano:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 491–500, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[colomine:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 161–169, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[cook:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 190–199, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[fazenda:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 411–420, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [garcia-sanchez:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 51–60, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [jaros:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 421–430, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [karafotias:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 361–370, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [kramer:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 341–350, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [krenek:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET,*

*EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 371–380, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [kyngas:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 501–510, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [lamers:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 210–219, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [lanza-gutierrez:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 1–10, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [laredo:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 431–440, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [laroche:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 11–20, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[limmer:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 21–30, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[mahlmann:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 220–229, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[mayo:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 180–189, Malaga, Spain, 11-13 April 2012. Springer Verlag.

[merelo:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 441–450, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [millan-ruiz:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 451–460, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [nogueira:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 241–250, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [pacula:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 71–80, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [pineda:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 521–530, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [preuss:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET,*

*EvoCOMPLEX*, *EvoFIN*, *EvoGAMES*, *EvoHOT*, *EvoIASP*, *EvoNUM*, *EvoPAR*, *EvoRISK*, *EvoSTIM*, *EvoSTOC*, volume 7248 of *LNCS*, pages 261–270, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [radenski:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 461–470, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [richter:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 81–90, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [sherry:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 471–480, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [shukla:evoapps12] Pradyumn Kumar Shukla, Christian Hirsch, and Hartmut Schneck. 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 391–400, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [simoes:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 531–540, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [trueba:evoapps12] 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, editors, *Applications of Evolutionary Computing, EvoApplications2012: EvoCOMNET, EvoCOMPLEX, EvoFIN, EvoGAMES, EvoHOT, EvoIASP, EvoNUM, EvoPAR, EvoRISK, EvoSTIM, EvoSTOC*, volume 7248 of *LNCS*, pages 91–100, Malaga, Spain, 11-13 April 2012. Springer Verlag.