Список литературы

- [Abbas(2010)] Hazem M. Abbas. Mixed-coded evolutionary algorithm for Gaussian mixture maximum likelihood clustering with model selection. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 825–826 (ACM, Portland, Oregon, USA, 2010).
- [Addicoat and Brain(2010)] Matthew A. Addicoat and Zoe E. Brain. Using a Meta-GA for parametric optimization of simple gas in the computational chemistry domain. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 823–824 (ACM, Portland, Oregon, USA, 2010).
- [Afridi et al.(2010)Afridi, Manzoor, Rasheed, Ahmed, and Faraz] Muhammad Jamal Afridi, Salman Manzoor, Umer Rasheed, Mariam Ahmed, and Kunwar Faraz. Performance evaluation of evolutionary algorithms for road detection. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1331–1332 (ACM, Portland, Oregon, USA, 2010).
- [Ahalpara(2010)] Dilip P. Ahalpara. Improved forecasting of time series data of real system using genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 977–978 (ACM, Portland, Oregon, USA, 2010).
- [Akimoto et al.(2010)Akimoto, Nagata, Ono, and Kobayashi] Youhei Akimoto, Yuichi Nagata, Isao Ono, and Shigenobu Kobayashi. Theoretical analysis of evolutionary computation on continuously differentiable functions. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1401–1408 (ACM, Portland, Oregon, USA, 2010).
- [Al-Betar et al.(2010)Al-Betar, Khader, and Nadi] Mohammed Azmi Al-Betar, Ahamad Tajudin Khader, and Farhad Nadi. Selection mechanisms in memory consideration for examination timetabling with harmony search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1203–1210 (ACM, Portland, Oregon, USA, 2010).
- [Alonso et al.(2010) Alonso, Martínez, Santamaría, Pérez, and Valente] Fernando Alonso, Loïc Martínez, Agustín Santamaría, Aurora Pérez, and Juan Pedro Valente. GGGP-based method for modeling time series: operator selection, parameter optimization and expert evaluation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb,

- Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 989–990 (ACM, Portland, Oregon, USA, 2010).
- [Álvaro Fialho et al.(2010)Álvaro Fialho, Schoenauer, and Sebag] Álvaro Fialho, Marc Schoenauer, and Michèle Sebag. Toward comparison-based adaptive operator selection. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 767–774 (ACM, Portland, Oregon, USA, 2010).
- [Arnold and Hansen(2010)] Dirk V. Arnold and Nikolaus Hansen. Active covariance matrix adaptation for the (1+1)-CMA-ES. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 385–392 (ACM, Portland, Oregon, USA, 2010).
- [Atilgan and Hu(2010)] Emrah Atilgan and Jianjun Hu. Efficient protein-ligand docking using sustainable evolutionary algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 211–212 (ACM, Portland, Oregon, USA, 2010).
- [Auerbach and Bongard(2010)] Joshua E. Auerbach and Josh C. Bongard. Evolving CPPNs to grow three-dimensional physical structures. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 627–634 (ACM, Portland, Oregon, USA, 2010).
- [Augusto et al.(2010)Augusto, Barbosa, and Ebecken] Douglas Adriano Augusto, Helio José Corrêa Barbosa, and Nelson Francisco Favilla Ebecken. Coevolutionary multi-population genetic programming for data classification. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 933–940 (ACM, Portland, Oregon, USA, 2010).
- [Avery and Louis(2010)] Phillipa Avery and Sushil Louis. Coevolving influence maps for spatial team tactics in a RTS game. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 783–790 (ACM, Portland, Oregon, USA, 2010).
- [Azad and Ryan(2010)] R. Muhammad Atif Azad and Conor Ryan. Abstract functions and lifetime learning in genetic programming for symbolic regression. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor,

- Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 893–900 (ACM, Portland, Oregon, USA, 2010).
- [Barrero et al.(2010)Barrero, Camacho, and R-Moreno] David F. Barrero, David Camacho, and María D. R-Moreno. Confidence intervals of success rates in evolutionary computation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 975–976 (ACM, Portland, Oregon, USA, 2010).
- [Barreto et al.(2010)Barreto, Bernardino, and Barbosa] André M.S. Barreto, Heder S. Bernardino, and Helio J.C. Barbosa. Probabilistic performance profiles for the experimental evaluation of stochastic algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 751–758 (ACM, Portland, Oregon, USA, 2010).
- [Behdad et al.(2010)Behdad, French, Barone, and Bennamoun] Mohammad Behdad, Tim French, Luigi Barone, and Mohammed Bennamoun. On the problems of using learning classifier systems for fraud detection. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1067–1068 (ACM, Portland, Oregon, USA, 2010).
- [Benjamin and Julstrom(2010)] Justin Benjamin and Bryant A. Julstrom. Breaking ties with secondary fitness in a genetic algorithm for the bin packing problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 657–664 (ACM, Portland, Oregon, USA, 2010).
- [Berghammer et al.(2010)Berghammer, Friedrich, and Neumann] Rudolf Berghammer, Tobias Friedrich, and Frank Neumann. Set-based multi-objective optimization, indicators, and deteriorative cycles. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 495–502 (ACM, Portland, Oregon, USA, 2010).
- [Bhowan et al.(2010)Bhowan, Zhang, and Johnston] Urvesh Bhowan, Mengjie Zhang, and Mark Johnston. AUC analysis of the pareto-front using multi-objective GP for classification with unbalanced data. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 845–852 (ACM, Portland, Oregon, USA, 2010).
- [Bibai et al.(2010)Bibai, Saveant, Schoenauer, and Vidal] Jacques Bibai, Pierre Saveant, Marc Schoenauer, and Vincent Vidal. On the generality of parameter tuning in evolutionary

- planning. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 241–248 (ACM, Portland, Oregon, USA, 2010).
- [Bongard and Hornby(2010)] Josh C. Bongard and Gregory S. Hornby. Guarding against premature convergence while accelerating evolutionary search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 111–118 (ACM, Portland, Oregon, USA, 2010).
- [Borges et al.(2010)Borges, Alonso, and Montana] Cruz E. Borges, Cesar L. Alonso, and Jose L. Montana. Model selection in genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 985–986 (ACM, Portland, Oregon, USA, 2010).
- [Bosman(2010)] Peter A.N. Bosman. The anticipated mean shift and cluster registration in mixture-based EDAs for multi-objective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 351–358 (ACM, Portland, Oregon, USA, 2010).
- [Bringmann and Friedrich(2010)] Karl Bringmann and Tobias Friedrich. The maximum hypervolume set yields near-optimal approximation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 511–518 (ACM, Portland, Oregon, USA, 2010).
- [Brown and Huber(2010)] Jeremy B. Brown and Manfred Huber. Pseudo-hierarchical ant-based clustering using a heterogeneous agent hierarchy and automatic boundary formation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 85–86 (ACM, Portland, Oregon, USA, 2010).
- [Buryan and Kubalik(2010)] Petr Buryan and Jiři Kubalik. Context-sensitive refinements for stochasticoptimization algorithms in inductive logic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1071–1072 (ACM, Portland, Oregon, USA, 2010).
- [Carlson and Hougen(2010)] Benjamin P. Carlson and Dean F. Hougen. *Phenotype feedback genetic algorithm operators for heuristic encoding of snakes within hypercubes*. In Juergen Branke, Martin

- Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 791–798 (ACM, Portland, Oregon, USA, 2010).
- [Ceriani et al.(2010)Ceriani, Ferrandi, Lanzi, Sciuto, and Tumeo] Marco Ceriani, Fabrizio Ferrandi, Pier Luca Lanzi, Donatella Sciuto, and Antonino Tumeo. *Multiprocessor systems-on-chip synthesis using multi-objective evolutionary computation*. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1267–1274 (ACM, Portland, Oregon, USA, 2010).
- [Chen et al.(2010)Chen, He, and Zhang] Ziyu Chen, Zhongshi He, and Cheng Zhang. Particle swarm optimizer with self-adjusting neighborhoods. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 9–14 (ACM, Portland, Oregon, USA, 2010).
- [Chicano et al.(2010)Chicano, Luque, and Alba] Francisco Chicano, Gabriel Luque, and Enrique Alba. Elementary landscape decomposition of the quadratic assignment problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1425–1432 (ACM, Portland, Oregon, USA, 2010).
- [Choi et al.(2010)Choi, Koo, and Moon] Yoon-Seok Choi, Bon-Ki Koo, and Byung-Ro Moon. Optimization of an image set by genetic feature selection for real-time photomosaics. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1309–1310 (ACM, Portland, Oregon, USA, 2010).
- [Chuang and Hsu(2010)] Chung-Yao Chuang and Wen-Lian Hsu. Multivariate multi-model approach for globally multimodal problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 311–318 (ACM, Portland, Oregon, USA, 2010).
- [Chwatal et al.(2010)Chwatal, Raidl, and Zöch] Andreas M. Chwatal, Günther R. Raidl, and Michael Zöch. Fitting multi-planet transit models to photometric time-data series by evolution strategies. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 377–384 (ACM, Portland, Oregon, USA, 2010).

- [Clune et al.(2010)Clune, Beckmann, McKinley, and Ofria] Jeff Clune, Benjamin E. Beckmann, Philip K. McKinley, and Charles Ofria. Investigating whether hyperNEAT produces modular neural networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 635–642 (ACM, Portland, Oregon, USA, 2010).
- [Collier and Wineberg(2010)] Robert Collier and Mark Wineberg. Approaches to multidimensional scaling for adaptive landscape visualization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 649–656 (ACM, Portland, Oregon, USA, 2010).
- [Colmenar et al.(2010)Colmenar, Risco-Martín, Atienza, Garnica, Hidalgo, and Lanchares] J. Manuel Colmenar, José L. Risco-Martín, David Atienza, Oscar Garnica, J. Ignacio Hidalgo, and Juan Lanchares. Improving reliability of embedded systems through dynamic memory manager optimization using grammatical evolution. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1227–1234 (ACM, Portland, Oregon, USA, 2010).
- [Connelly et al.(2010)Connelly, Beckmann, and McKinley] Brian D. Connelly, Benjamin E. Beckmann, and Philip K. McKinley. Resource abundance promotes the evolution of public goods cooperation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 143–150 (ACM, Portland, Oregon, USA, 2010).
- [Conrad et al.(2010)Conrad, Roos, and Kapfhammer] Alexander P. Conrad, Robert S. Roos, and Gregory M. Kapfhammer. Empirically studying the role of selection operators duringsearch-based test suite prioritization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1373–1380 (ACM, Portland, Oregon, USA, 2010).
- [Cook and Tauritz(2010)] Jason E. Cook and Daniel R. Tauritz. An exploration into dynamic population sizing. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 807–814 (ACM, Portland, Oregon, USA, 2010).
- [Crofford et al.(2010)Crofford, Eskridge, and Hougen] John Crofford, Brent E. Eskridge, and Dean F. Hougen. Applying the triple parameter hypothesis to maintenance scheduling. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th

- annual conference on Genetic and evolutionary computation, pp. 799–806 (ACM, Portland, Oregon, USA, 2010).
- [Curran et al.(2010)Curran, Freuder, and Jansen] Dara Curran, Eugene Freuder, and Thomas Jansen. Incremental evolution of local search heuristics. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 981–982 (ACM, Portland, Oregon, USA, 2010).
- [de A. Araújo et al.(2010)de A. Araújo, de Oliveira, and Soares] Ricardo de A. Araújo, Adriano L.I. de Oliveira, and Sergio C.B. Soares. A covariance matrix adaptation based evolutionary methodology for phase adjustment in financial time series forecasting. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1315–1316 (ACM, Portland, Oregon, USA, 2010).
- [de Mattos Neto et al.(2010)de Mattos Neto, Lima Junior, and Ferreira] Paulo S.G. de Mattos Neto, Aranildo R. Lima Junior, and Tiago A.E. Ferreira. Time series forecasting using a perturbative intelligent system. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1477–1478 (ACM, Portland, Oregon, USA, 2010).
- [de Mendonca Neta et al.(2010) de Mendonca Neta, Araujo, Guimaraes, and Mesquita]

 Bernadete Maria de Mendonca Neta, Gustavo Henrique Diniz Araujo, Frederico Gadelha
 Guimaraes, and Renato Cardoso Mesquita. A hybrid genetic algorithm for automatic graph
 drawing based on the topology-shape-metric approach. In Juergen Branke, Martin Pelikan,
 Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V.
 Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor,
 Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo
 Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on
 Genetic and evolutionary computation, pp. 743–750 (ACM, Portland, Oregon, USA, 2010).
- [De Prisco et al.(2010)De Prisco, Zaccagnino, and Zaccagnino] Roberto De Prisco, Gianluca Zaccagnino, and Rocco Zaccagnino. EvoBassComposer: a multi-objective genetic algorithm for 4-voice compositions. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 817–818 (ACM, Portland, Oregon, USA, 2010).
- [Deb and Padhye(2010)] Kalyanmoy Deb and Nikhil Padhye. Development of efficient particle swarm optimizers by using concepts from evolutionary algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 55–62 (ACM, Portland, Oregon, USA, 2010).
- [Di Carlo et al.(2010)Di Carlo, Sanchez, Scionti, Squillero, Tonda, and Falasconi] Stephano Di Carlo, Ernesto Sanchez, Alberto Scionti, Giovanni Squillero, Alberto Paolo Tonda, and Matteo

- Falasconi. Towards drift correction in chemical sensors using an evolutionary strategy. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1329–1330 (ACM, Portland, Oregon, USA, 2010).
- [Doerr and Johannsen(2010)] Benjamin Doerr and Daniel Johannsen. Edge-based representation beats vertex-based representation in shortest path problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 759–766 (ACM, Portland, Oregon, USA, 2010).
- [Doğan et al.(2010)Doğan, Erdal, and Saka] Erkan Doğan, Ferhat Erdal, and Mehmet Polat Saka. Optimum design of grillage systems under code provisions using particle swarm optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 289–290 (ACM, Portland, Oregon, USA, 2010).
- [Downey et al.(2010)Downey, Zhang, and Browne] Carlton Downey, Mengjie Zhang, and Will N. Browne. New crossover operators in linear genetic programming for multiclass object classification. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 885–892 (ACM, Portland, Oregon, USA, 2010).
- [Downing(2010)] Keith L. Downing. The baldwin effect in developing neural networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 555–562 (ACM, Portland, Oregon, USA, 2010).
- [Ducatelle et al.(2010)Ducatelle, Di Caro, and Gambardella] Frederick Ducatelle, Gianni A. Di Caro, and Luca M. Gambardella. Cooperative self-organization in a heterogeneous swarm robotic system. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 87–94 (ACM, Portland, Oregon, USA, 2010).
- [Dumitrescu et al.(2010)Dumitrescu, Lung, Nagy, Zaharie, and Bartha] D. Dumitrescu, Rodica Ioana Lung, Réka Nagy, Daniela Zaharie, and Attila Bartha. Exploring evolutionary detected fuzzy equilibria: a link between normative theory and real life. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 539–540 (ACM, Portland, Oregon, USA, 2010).

- [Esparcia-Alcazár et al.(2010)Esparcia-Alcazár, Martínez-García, Mora, Merelo, and García-Sánchez] Anna I. Esparcia-Alcazár, Anais Martínez-García, Antonio M. Mora, J. J. Merelo, and Pablo García-Sánchez. Genetic evolution of fuzzy finite state machines to control bots in a first-person shooter game. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 829–830 (ACM, Portland, Oregon, USA, 2010).
- [Evins et al.(2010)Evins, Pointer, and Vaidyanathan] Ralph Evins, Philip Pointer, and Ravi Vaidyanathan. Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1327–1328 (ACM, Portland, Oregon, USA, 2010).
- [Farinaccio et al.(2010)Farinaccio, Vanneschi, Giacobini, Mauri, and Provero] Antonella Farinaccio, Leonardo Vanneschi, Mario Giacobini, Giancarlo Mauri, and Paolo Provero. On the use of genetic programming for the prediction of survival in cancer. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 163–170 (ACM, Portland, Oregon, USA, 2010).
- [Fast et al.(2010)Fast, Le Gouse, Forrest, and Weimer] Ethan Fast, Claire Le Gouse, Stephanie Forrest, and Westley Weimer. Designing better fitness functions for automated program repair. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 965–972 (ACM, Portland, Oregon, USA, 2010).
- [Fernando(2010)] Chrisantha Fernando. Neuronal replicators solve the stability-plasticity dilemma. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 153–154 (ACM, Portland, Oregon, USA, 2010).
- [Folino and Pizzuti(2010)] Francesco Folino and Clara Pizzuti. Multiobjective evolutionary community detection for dynamic networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 535–536 (ACM, Portland, Oregon, USA, 2010).
- [Foster and Somayaji(2010)] Blair Foster and Anil Somayaji. Object-level recombination of commodity applications. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10:

- Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 957–964 (ACM, Portland, Oregon, USA, 2010).
- [Franco et al.(2010)Franco, Krasnogor, and Bacardit] María A. Franco, Natalio Krasnogor, and Jaume Bacardit. Speeding up the evaluation of evolutionary learning systems using GPGPUs. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1039–1046 (ACM, Portland, Oregon, USA, 2010).
- [Gajda and Sekanina(2010)] Zbysek Gajda and Lukas Sekanina. When does Cartesian genetic programming minimize the phenotype size implicitly? In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 983–984 (ACM, Portland, Oregon, USA, 2010).
- [Galan and Mengshoel(2010)] Severino F. Galan and Ole J. Mengshoel. Generalized crowding for genetic algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 775–782 (ACM, Portland, Oregon, USA, 2010).
- [Galván-López et al.(2010)Galván-López, McDermott, O'Neill, and Brabazon] Edgar Galván-López, James McDermott, Michael O'Neill, and Anthony Brabazon. Towards an understanding of locality in genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 901–908 (ACM, Portland, Oregon, USA, 2010).
- [García-Martínez et al.(2010)García-Martínez, Lima, Twycross, Krasnogor, and Lozano] Carlos García-Martínez, Claudio Lima, Jamie Twycross, Natalio Krasnogor, and Manuel Lozano. *P system model optimisation by means of evolutionary based search algorithms*. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 187–194 (ACM, Portland, Oregon, USA, 2010).
- [Garrett et al.(2010)Garrett, Chen, and Smith] Aaron Garrett, Zizhong Chen, and Daniel Eric Smith. Constructing numerically stable real number codes using evolutionary computation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1163–1170 (ACM, Portland, Oregon, USA, 2010).
- [Glasmachers et al.(2010)Glasmachers, Schaul, Yi, Wierstra, and Schmidhuber] Tobias Glasmachers, Tom Schaul, Sun Yi, Daan Wierstra, and Jürgen Schmidhuber. Exponential natural evolution strategies. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard,

- Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 393–400 (ACM, Portland, Oregon, USA, 2010).
- [Goldsby et al.(2010)Goldsby, Knoester, and Ofria] Heather J. Goldsby, David B. Knoester, and Charles Ofria. Evolution of division of labor in genetically homogenous groups. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 135–142 (ACM, Portland, Oregon, USA, 2010).
- [Gong et al.(2010)Gong, Álvaro Fialho, and Cai] Wenyin Gong, Álvaro Fialho, and Zhihua Cai. Adaptive strategy selection in differential evolution. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 409–416 (ACM, Portland, Oregon, USA, 2010).
- [Gonzales et al.(2010)Gonzales, Mabu, Taboada, Hirasawa, and Shimada] Eloy Gonzales, Shingo Mabu, Karla Taboada, Kotaro Hirasawa, and Kaoru Shimada. Pruning association rules using statistics and genetic relation algoritm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 419–420 (ACM, Portland, Oregon, USA, 2010).
- [Hall et al.(2010)Hall, McMinn, and Walkinshaw] Mathew Hall, Phil McMinn, and Neil Walkinshaw. Superstate identification for state machines using search-based clustering. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1381–1388 (ACM, Portland, Oregon, USA, 2010).
- [Harding et al.(2010)Harding, Miller, and Banzhaf] Simon Harding, Julian F. Miller, and Wolfgang Banzhaf. Self modifying cartesian genetic programming: finding algorithms that calculate pi and e to arbitrary precision. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 579–586 (ACM, Portland, Oregon, USA, 2010).
- [Hauschild and Pelikan(2010)] Mark W. Hauschild and Martin Pelikan. Network crossover performance on NK landscapes and deceptive problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 713–720 (ACM, Portland, Oregon, USA, 2010).
- [Herrera-Ortiz et al.(2010)Herrera-Ortiz, Oliver-Morales, and Rodríguez-Vázquez] Juan Arturo Herrera-Ortiz, Carlos Oliver-Morales, and Katya Rodríguez-Vázquez. Amount and type of

- information: a GA-hardness taxonomy. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 835–836 (ACM, Portland, Oregon, USA, 2010).
- [Hildebrandt et al.(2010)Hildebrandt, Heger, and Scholz-Reiter] Torsten Hildebrandt, Jens Heger, and Bernd Scholz-Reiter. Towards improved dispatching rules for complex shop floor scenarios: a genetic programming approach. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 257–264 (ACM, Portland, Oregon, USA, 2010).
- [Hiller and Lipson(2010)] Jonathan D. Hiller and Hod Lipson. Morphological evolution of freeform robots. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 151–152 (ACM, Portland, Oregon, USA, 2010).
- [Holzinger et al.(2010)Holzinger, Buchanan, Dudek, Torstenson, Turner, and Ritchie] Emily Rose Holzinger, Carrie C. Buchanan, Scott M. Dudek, Eric C. Torstenson, Stephen D. Turner, and Marylyn D. Ritchie. *Initialization parameter sweep in ATHENA: optimizing neural networks for detecting gene-gene interactions in the presence of small main effects.* In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 203–210 (ACM, Portland, Oregon, USA, 2010).
- [Horoba and Sudholt(2010)] Christian Horoba and Dirk Sudholt. Ant colony optimization for stochastic shortest path problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1465–1472 (ACM, Portland, Oregon, USA, 2010).
- [hui Zhong and Zhang(2010)] Jing hui Zhong and Jun Zhang. A robust estimation of distribution algorithm for power electronic circuits design. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 319–326 (ACM, Portland, Oregon, USA, 2010).
- [Hutzschenreuter et al.(2010)Hutzschenreuter, Bosman, and La Poutré] Anke K. Hutzschenreuter, Peter A.N. Bosman, and Han La Poutré. Enhanced hospital resource management using anticipatory policies in online dynamic multi-objective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual

- conference on Genetic and evolutionary computation, pp. 541–542 (ACM, Portland, Oregon, USA, 2010).
- [II and Tumer(2010)] Jack F. Shepherd II and Kagan Tumer. Robust neuro-control for a micro quadrotor. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1131–1138 (ACM, Portland, Oregon, USA, 2010).
- [Inden et al.(2010)Inden, Jin, Haschke, and Ritter] Benjamin Inden, Yaochu Jin, Robert Haschke, and Helge Ritter. NEATfields: evolution of neural fields. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 645–646 (ACM, Portland, Oregon, USA, 2010).
- [Iordache(2010)] Serban Iordache. Consultant-guided search: a new metaheuristic for combinatorial optimization problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 225–232 (ACM, Portland, Oregon, USA, 2010).
- [Ishibuchi et al.(2010)Ishibuchi, Sakane, Tsukamoto, and Nojima] Hisao Ishibuchi, Yuji Sakane, Noritaka Tsukamoto, and Yusuke Nojima. Simultaneous use of different scalarizing functions in MOEA/D. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 519–526 (ACM, Portland, Oregon, USA, 2010).
- [Jansen and Zarges(2010)] Thomas Jansen and Christine Zarges. Aging beyond restarts. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 705–712 (ACM, Portland, Oregon, USA, 2010).
- [Jaros and Dvorak(2010)] Jiři Jaros and Vaclav Dvorak. Evolutionary-based conflict-free scheduling of collective communications on spidergon NoCs. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1171–1178 (ACM, Portland, Oregon, USA, 2010).
- [Jensen and Cheng(2010)] Adam C. Jensen and Betty H.C. Cheng. On the use of genetic programming for automated refactoring and the introduction of design patterns. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1341–1348 (ACM, Portland, Oregon, USA, 2010).

- [Jiang and Chen(2010)] He Jiang and Yudong Chen. An efficient algorithm for generalized minimum spanning tree problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 217–224 (ACM, Portland, Oregon, USA, 2010).
- [jie Yu and Zhang(2010)] Wei jie Yu and Jun Zhang. Pheromone-distribution-based adaptive ant colony system. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 31–38 (ACM, Portland, Oregon, USA, 2010).
- [Johannsen et al.(2010) Johannsen, Kurur, and Lengler] Daniel Johannsen, Piyush P. Kurur, and Johannes Lengler. Can quantum search accelerate evolutionary algorithms? In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1433–1440 (ACM, Portland, Oregon, USA, 2010).
- [Johansson et al.(2010) Johansson, König, and Niklasson] Ulf Johansson, Rikard König, and Lars Niklasson. Genetic rule extraction optimizing brier score. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1007–1014 (ACM, Portland, Oregon, USA, 2010).
- [Kamath et al.(2010)Kamath, De Jong, and Shehu] Uday Kamath, Kenneth A. De Jong, and Amarda Shehu. Selecting predictive features for recognition of hypersensitive sites of regulatory genomic sequences with an evolutionary algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 179–186 (ACM, Portland, Oregon, USA, 2010).
- [Kim et al.(2010)Kim, McKay, and Moon] Keehyung Kim, RI (Bob) McKay, and Byung-Ro Moon. Multiobjective evolutionary algorithms for dynamic social network clustering. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1179–1186 (ACM, Portland, Oregon, USA, 2010).
- [Kimbrough et al.(2010)Kimbrough, Kuo, and Lau] Steven O. Kimbrough, Ann Kuo, and Hoong Chuin Lau. Effective heuristic methods for finding non-optimal solutions of interest in constrained optimization models. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 295–296 (ACM, Portland, Oregon, USA, 2010).

- [Knoester et al.(2010)Knoester, Goldsby, and McKinley] David B. Knoester, Heather J. Goldsby, and Philip K. McKinley. Neuroevolution of mobile ad hoc networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 603–610 (ACM, Portland, Oregon, USA, 2010).
- [Knudson and Tumer(2010)] Matt Knudson and Kagan Tumer. Coevolution of heterogeneous multirobot teams. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 127– 134 (ACM, Portland, Oregon, USA, 2010).
- [Koos et al.(2010)Koos, Mouret, and Doncieux] Sylvain Koos, Jean-Baptiste Mouret, and Stéphane Doncieux. Crossing the reality gap in evolutionary robotics by promoting transferable controllers. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 119–126 (ACM, Portland, Oregon, USA, 2010).
- [Kötzing et al.(2010)Kötzing, Lehre, Neumann, and Oliveto] Timo Kötzing, Per Kristian Lehre, Frank Neumann, and Pietro Simone Oliveto. Ant colony optimization and the minimum cut problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1393–1400 (ACM, Portland, Oregon, USA, 2010).
- [Koutnik et al.(2010)Koutnik, Gomez, and Schmidhuber] Jan Koutnik, Faustino Gomez, and Jürgen Schmidhuber. Evolving neural networks in compressed weight space. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 619–626 (ACM, Portland, Oregon, USA, 2010).
- [Kramer and Danielsiek(2010)] Oliver Kramer and Holger Danielsiek. DBSCAN-based multi-objective niching to approximate equivalent pareto-subsets. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 503-510 (ACM, Portland, Oregon, USA, 2010).
- [Kremmel et al.(2010)Kremmel, Kubalik, and Biffl] Thomas Kremmel, Jiří Kubalik, and Stefan Biffl. Multiobjective evolutionary algorithm for software project portfolio optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of

- the 12th annual conference on Genetic and evolutionary computation, pp. 1389–1390 (ACM, Portland, Oregon, USA, 2010).
- [Kubalik et al.(2010)Kubalik, Buryan, and Wagner] Jiří Kubalik, Petr Buryan, and Libor Wagner. Solving the DNA fragment assembly problem efficiently using iterative optimization with evolved hypermutations. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 213–214 (ACM, Portland, Oregon, USA, 2010).
- [Kureichik et al.(2010)Kureichik, Lebedev, and Lebedev] Viktor M. Kureichik, Boris K. Lebedev, and Oleg B. Lebedev. Hybrid evolutionary algorithm of planning VLSI. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 821–822 (ACM, Portland, Oregon, USA, 2010).
- [Lässig and Sudholt(2010)] Jörg Lässig and Dirk Sudholt. The benefit of migration in parallel evolutionary algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1105–1112 (ACM, Portland, Oregon, USA, 2010).
- [Lee and Moon(2010)] Seung-Kyu Lee and Byung-Ro Moon. A new modular genetic programming for finding attractive technical patterns in stock markets. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1219–1226 (ACM, Portland, Oregon, USA, 2010).
- [Lehman and Stanley(2010)] Joel Lehman and Kenneth O. Stanley. Revising the evolutionary computation abstraction: minimal criteria novelty search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 103–110 (ACM, Portland, Oregon, USA, 2010).
- [Lehre and Witt(2010)] Per Kristian Lehre and Carsten Witt. Black-box search by unbiased variation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1441–1448 (ACM, Portland, Oregon, USA, 2010).
- [Lemmens and Tuyls(2010)] Nyree Lemmens and Karl Tuyls. Stigmergic landmark routing: a routing algorithm for wireless mobile ad-hoc networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 47–54 (ACM, Portland, Oregon, USA, 2010).

- [Leung and Zhang(2010)] K. M. Leung and Xi Zhang. Discrete versus continuous parametrization of bank credit rating systems optimization using differential evolution. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 265–272 (ACM, Portland, Oregon, USA, 2010).
- [Li et al.(2010)Li, Zheng, Shen, Li, and Yuan] Miqing Li, Jinhua Zheng, Ruimin Shen, Ke Li, and Qizhao Yuan. A grid-based fitness strategy for evolutionary many-objective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 463–470 (ACM, Portland, Oregon, USA, 2010).
- [Lichodzijewski and Heywood(2010)] Peter Lichodzijewski and Malcolm I. Heywood. Symbiosis, complexification and simplicity under GP. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 853–860 (ACM, Portland, Oregon, USA, 2010).
- [Lien et al.(2010)Lien, Yu, and You] Ta-Chun Lien, Tian-Li Yu, and Ying-Shiuan You. Co-evolution of cooperative strategies under egoism. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 697–704 (ACM, Portland, Oregon, USA, 2010).
- [Lin et al.(2010)Lin, min Hu, and Zhang] Ying Lin, Xiao min Hu, and Jun Zhang. An ant-colony-system-based activity scheduling method for the lifetime maximization of heterogeneous wireless sensor networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 23–30 (ACM, Portland, Oregon, USA, 2010).
- [Liśkiewicz and Textor(2010)] Maciej Liśkiewicz and Johannes Textor. Negative selection algorithms without generating detectors. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1047–1054 (ACM, Portland, Oregon, USA, 2010).
- [Liu et al.(2010)Liu, Zhang, Jiao, Liu, and Ma] Ruochen Liu, Wei Zhang, Licheng Jiao, Fang Liu, and Jingjing Ma. A sphere-dominance based preference immune-inspired algorithm for dynamic multi-objective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 423–430 (ACM, Portland, Oregon, USA, 2010).

- [Lo et al.(2010)Lo, Chan, Lee, and Leung] Leung-Yau Lo, Tak-Ming Chan, Kin-Hong Lee, and Kwong-Sak Leung. Challenges rising from learning motif evaluation functions using genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 171–178 (ACM, Portland, Oregon, USA, 2010).
- [Lochtefeld and Ciarallo(2010)] Darrell F. Lochtefeld and Frank W. Ciarallo. Deterministic helper-objective sequences applied to job-shop scheduling. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 431–438 (ACM, Portland, Oregon, USA, 2010).
- [Lode et al.(2010)Lode, Richter, and Schmeck] Clemens Lode, Urban Richter, and Hartmut Schmeck. Adaption of XCS to multi-learner predator/prey scenarios. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1015–1022 (ACM, Portland, Oregon, USA, 2010).
- [López-Camacho et al.(2010)López-Camacho, Terashima-Marín, Ross, and Valenzuela-Rendón] Eunice López-Camacho, Hugo Terashima-Marín, Peter Ross, and Manuel Valenzuela-Rendón. Problem-state representations in a hyper-heuristic approach for the 2D irregular BPP. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 297–298 (ACM, Portland, Oregon, USA, 2010).
- [Lopez-Ibanez and Stuetzle(2010)] Manuel Lopez-Ibanez and Thomas Stuetzle. The impact of design choices of multiobjective anteolony optimization algorithms on performance: an experimental study on the biobjective TSP. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 71–78 (ACM, Portland, Oregon, USA, 2010).
- [Loshchilov et al.(2010)Loshchilov, Schoenauer, and Sebag] Ilya Loshchilov, Marc Schoenauer, and Michèle Sebag. A mono surrogate for multiobjective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 471–478 (ACM, Portland, Oregon, USA, 2010).
- [Luong et al.(2010)Luong, Nguyen, and Ahn] Hoang N. Luong, Hai T.T. Nguyen, and Chang Wook Ahn. Entropy-based substructural local search for the bayesian optimization algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the

- 12th annual conference on Genetic and evolutionary computation, pp. 335–342 (ACM, Portland, Oregon, USA, 2010).
- [Luque and Alba(2010)] Gabriel Luque and Enrique Alba. Selection pressure and takeover time of distributed evolutionary algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1083–1088 (ACM, Portland, Oregon, USA, 2010).
- [Ma and Simon(2010)] Haiping Ma and Dan Simon. Biogeography-based optimization with blended migration for constrained optimization problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 417–418 (ACM, Portland, Oregon, USA, 2010).
- [Macià et al.(2010)Macià, Orriols-Puig, and Bernadó-Mansilla] Núria Macià, Albert Orriols-Puig, and Ester Bernadó-Mansilla. In search of targeted-complexity problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1055–1062 (ACM, Portland, Oregon, USA, 2010).
- [Manning(2010)] Edward P. Manning. Coevolution in a large search space using resource-limited nash memory. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 999– 1006 (ACM, Portland, Oregon, USA, 2010).
- [Manzoni et al.(2010)Manzoni, Vanneschi, and Mauri] Luca Manzoni, Leonardo Vanneschi, and Giancarlo Mauri. Definition of a crossover based distance for genetic algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1473–1474 (ACM, Portland, Oregon, USA, 2010).
- [Martí et al.(2010)Martí, García, Berlanga, and Molina] Luis Martí, Jesús García, Antonio Berlanga, and José M. Molina. Moving away from error-based learning in multi-objective estimation of distribution algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 545–546 (ACM, Portland, Oregon, USA, 2010).
- [Mayfield and Penstein-Rosé(2010)] Elijah Mayfield and Carolyn Penstein-Rosé. Using feature construction to avoid large feature spaces in text classification. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo

- Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1299–1306 (ACM, Portland, Oregon, USA, 2010).
- [McMullin and Soule(2010)] Michael McMullin and Terence Soule. Constant versus variable arity operators in genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 987–988 (ACM, Portland, Oregon, USA, 2010).
- [Meekhof and Soule(2010)] Timothy Meekhof and Terence Soule. Noise pressure: systematic overestimation of population fitness in genetic algorithms with noisy fitness functions. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 833–834 (ACM, Portland, Oregon, USA, 2010).
- [Meiguins et al.(2010)Meiguins, Freitas, Limao, Junior, and Meiguins] Aruanda S.G. Meiguins, Alex A. Freitas, Robert C. Limao, Samuel F.S. Junior, and Bianchi S. Meiguins. An estimation of distribution algorithm for the automatic generation of clustering algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1069–1070 (ACM, Portland, Oregon, USA, 2010).
- [Melkozerov and Beyer(2010)] Alexander Melkozerov and Hans-Georg Beyer. On the analysis of self-adaptive evolution strategies on elliptic model: first results. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 369–376 (ACM, Portland, Oregon, USA, 2010).
- [Merelo et al.(2010)Merelo, Mora, and Runarsson] Juan J. Merelo, Antonio M. Mora, and Thomas P. Runarsson. Beating exhaustive search at its own game: revisiting evolutionary mastermind. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 291–292 (ACM, Portland, Oregon, USA, 2010).
- [Mohemmed et al.(2010)Mohemmed, Zhang, and Browne] Ammar W. Mohemmed, Mengjie Zhang, and Will N. Browne. Particle swarm optimisation for outlier detection. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 83–84 (ACM, Portland, Oregon, USA, 2010).
- [Momm and Easson(2010)] Henrique G. Momm and Greg Easson. Population restarting: a study case of feature extraction from remotely sensed imagery using textural information. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen

- Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 973–974 (ACM, Portland, Oregon, USA, 2010).
- [Montero et al.(2010)Montero, Riff, and Neveu] Elizabeth Montero, María-Cristina Riff, and Bertrand Neveu. An evaluation of off-line calibration techniques for evolutionary algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 299–300 (ACM, Portland, Oregon, USA, 2010).
- [Moriguchi and Honiden(2010)] Hirotaka Moriguchi and Shinichi Honiden. Sustaining behavioral diversity in NEAT. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 611–618 (ACM, Portland, Oregon, USA, 2010).
- [Mosnier et al.(2010)Mosnier, Gillot, Ducloux, and Ichchou] David Mosnier, Frédéric Gillot, Antoine Ducloux, and Mohamed Ichchou. Integrated pre-design step methodology based onmulti-objective evolutionary optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1317–1318 (ACM, Portland, Oregon, USA, 2010).
- [Mouret et al.(2010)Mouret, Doncieux, and Girard] Jean-Baptiste Mouret, Stéphane Doncieux, and Benoît Girard. Importing the computational neuroscience toolbox into neuro-evolution-application to basal ganglia. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 587–594 (ACM, Portland, Oregon, USA, 2010).
- [Myburgh and Deb(2010)] Christie Myburgh and Kalyanmoy Deb. Evolutionary algorithms in large-scale open pit mine scheduling. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1155–1162 (ACM, Portland, Oregon, USA, 2010).
- [Nadi et al.(2010)Nadi, Khader, and Al-Betar] Farhad Nadi, Ahamad Tajudin Khader, and Mohammed Azmi Al-Betar. Adaptive genetic algorithm using harmony search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 819–820 (ACM, Portland, Oregon, USA, 2010).
- [Neumann et al.(2010)Neumann, Sudholt, and Witt] Frank Neumann, Dirk Sudholt, and Carsten Witt. A few ants are enough: ACO with iteration-best update. In Juergen Branke, Martin Pelikan,

- Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 63–70 (ACM, Portland, Oregon, USA, 2010).
- [Nguyen et al.(2010)Nguyen, Luong, and Ahn] Hai T.T. Nguyen, Hoang N. Luong, and Chang Wook Ahn. Entropy measurement-based estimation model for bayesian optimization algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 343–350 (ACM, Portland, Oregon, USA, 2010).
- [Nikanjam et al.(2010)Nikanjam, Sharifi, Helmi, and Rahmani] Amin Nikanjam, Hadi Sharifi, B. Hoda Helmi, and Adel Rahmani. A new DSM clustering algorithm for linkage groups identification. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 367–368 (ACM, Portland, Oregon, USA, 2010).
- [Orriols-Puig et al.(2010)Orriols-Puig, Llorà, and Goldberg] Albert Orriols-Puig, Xavier Llorà, and David E. Goldberg. How XCS deals with rarities in domains with continuous attributes. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1023–1030 (ACM, Portland, Oregon, USA, 2010).
- [Ortegon-Cano et al.(2010)Ortegon-Cano, Hartasanchez, and Stephens] Patricia Ortegon-Cano, Diego A. Hartasanchez, and Christopher R. Stephens. Why recombination should be adaptive. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 831–832 (ACM, Portland, Oregon, USA, 2010).
- [Ovreiu and Simon(2010)] Mirela Ovreiu and Dan Simon. Biogeography-based optimization of neuro-fuzzy system parameters for diagnosis of cardiac disease. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1235–1242 (ACM, Portland, Oregon, USA, 2010).
- [Padhye and Deb(2010)] Nikhil Padhye and Kalyanmoy Deb. Evolutionary multi-objective optimization and decision making for selective laser sintering. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1259–1266 (ACM, Portland, Oregon, USA, 2010).
- [Pedersen and Butz(2010)] Gerulf K.M. Pedersen and Martin V. Butz. Evolving robust controller parameters using covariance matrix adaptation. In Juergen Branke, Martin Pelikan, Enrique

- Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1251–1258 (ACM, Portland, Oregon, USA, 2010).
- [Pelikan(2010)] Martin Pelikan. NK landscapes, problem difficulty, and hybrid evolutionary algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 665–672 (ACM, Portland, Oregon, USA, 2010).
- [Pennachin et al.(2010)Pennachin, Looks, and de Vasconcelos] Cassio L. Pennachin, Moshe Looks, and Joao A. de Vasconcelos. Robust symbolic regression with affine arithmetic. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 917–924 (ACM, Portland, Oregon, USA, 2010).
- [Pilat and Jacob(2010)] Marcin L. Pilat and Christian Jacob. Evolution of vision capabilities in embodied virtual creatures. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 95–102 (ACM, Portland, Oregon, USA, 2010).
- [Preuss et al.(2010)Preuss, Rudolph, and Wessing] Mike Preuss, Günter Rudolph, and Simon Wessing. Tuning optimization algorithms for real-world problems by means of surrogate modeling. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 401–408 (ACM, Portland, Oregon, USA, 2010).
- [Radetic and Pelikan(2010)] Elizabeth Radetic and Martin Pelikan. Spurious dependencies and EDA scalability. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 303–310 (ACM, Portland, Oregon, USA, 2010).
- [Rajagopalan et al.(2010)Rajagopalan, Rawal, and Miikkulainen] Padmini Rajagopalan, Aditya Rawal, and Risto Miikkulainen. Emergence of competitive and cooperative behavior using coevolution. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1073–1074 (ACM, Portland, Oregon, USA, 2010).
- [Reehuis and Bäck(2010)] Edgar Reehuis and Thomas Bäck. Mixed-integer evolution strategy using multiobjective selection applied to warehouse design optimization. In Juergen Branke, Martin

- Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1187–1194 (ACM, Portland, Oregon, USA, 2010).
- [Ren and Feng(2010)] Zhigang Ren and Zuren Feng. An ant colony optimization approach to the multiple-choice multidimensional knapsack problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 281–288 (ACM, Portland, Oregon, USA, 2010).
- [Risi et al.(2010)Risi, Lehman, and Stanley] Sebastian Risi, Joel Lehman, and Kenneth O. Stanley. Evolving the placement and density of neurons in the hyperneat substrate. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 563–570 (ACM, Portland, Oregon, USA, 2010).
- [Roychoudhury et al.(2010)Roychoudhury, Das, Scoglio, Das, Panigrahi, and Pattnaik] Sohini Roychoudhury, Sanjoy Das, Caterina Scoglio, Swagatam Das, Bijaya K. Panigrahi, and Shyyam S. Pattnaik. *Mitigation strategies in epidemics: evolutionary optimization using a hierarchy of objective functions*. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1325–1326 (ACM, Portland, Oregon, USA, 2010).
- [Salichon and Tumer(2010)] Max Salichon and Kagan Tumer. A neuro-evolutionary approach to micro aerial vehicle control. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1123–1130 (ACM, Portland, Oregon, USA, 2010).
- [Salim et al.(2010)Salim, Javed, and Akbar] Sarah Salim, Mohsin Javed, and Ali Hammad Akbar. Honey-bee dancing-inspired architecture for fault tolerance in wireless sensor networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 79–80 (ACM, Portland, Oregon, USA, 2010).
- [Salinas-Gutiérrez et al.(2010)Salinas-Gutiérrez, Hernández-Aguirre, and Villa-Diharce] Rogelio Salinas-Gutiérrez, Arturo Hernández-Aguirre, and Enrique R. Villa-Diharce. *D-vine EDA: a new estimation of distribution algorithm based on regular vines*. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual*

- conference on Genetic and evolutionary computation, pp. 359–366 (ACM, Portland, Oregon, USA, 2010).
- [Sanyal et al.(2010)Sanyal, S, and Biswas] Swagato Sanyal, Raja S, and Somenath Biswas. Necessary and sufficient conditions for success of the metropolis algorithm for optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1417–1424 (ACM, Portland, Oregon, USA, 2010).
- [Sato et al.(2010)Sato, Sato, and Namiki] Mikiko Sato, Yuji Sato, and Mitaro Namiki. Proposal of a multi-core processor architecture for effective evolutionary computation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1321–1322 (ACM, Portland, Oregon, USA, 2010).
- [Schmidt and Lipson(2010)] Michael D. Schmidt and Hod Lipson. Age-fitness pareto optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 543–544 (ACM, Portland, Oregon, USA, 2010).
- [Schrum and Miikkulainen(2010)] Jacob Schrum and Risto Miikkulainen. Evolving agent behavior in multiobjective domains using fitness-based shaping. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 439–446 (ACM, Portland, Oregon, USA, 2010).
- [Sharma and Collet(2010)] Deepak Sharma and Pierre Collet. An archived-based stochastic ranking evolutionary algorithm (asrea) for multi-objective optimization. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 479–486 (ACM, Portland, Oregon, USA, 2010).
- [Shimada and Hirasawa(2010)] Kaoru Shimada and Kotaro Hirasawa. A method of association rule analysis for incomplete database using genetic network programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1115–1122 (ACM, Portland, Oregon, USA, 2010).
- [Shir et al.(2010)Shir, Roslund, and Rabitz] Ofer M. Shir, Jonathan Roslund, and Herschel Rabitz. Forced optimal covariance adaptive learning: modified CMA-ES for efficient hessian determination. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb,

- Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 421–422 (ACM, Portland, Oregon, USA, 2010).
- [Sierra and Ponsoda(2010)] Alejandro Sierra and Vicente Ponsoda. Shorter, more reliable and valid tests by means of a genetic algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1307–1308 (ACM, Portland, Oregon, USA, 2010).
- [Sinnott-Armstrong et al.(2010)Sinnott-Armstrong, Greene, and Moore] Nicholas A. Sinnott-Armstrong, Casey S. Greene, and Jason H. Moore. Fast genome-wide epistasis analysis using ant colony optimization for multifactor dimensionality reduction analysis on graphics processing units. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 215–216 (ACM, Portland, Oregon, USA, 2010).
- [Snel and Whiteson(2010)] Matthijs Snel and Shimon Whiteson. Multi-task evolutionary shaping without pre-specified representations. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1031–1038 (ACM, Portland, Oregon, USA, 2010).
- [Soule and Heckendorn(2010)] Terence Soule and Robert B. Heckendorn. A developmental algorithm for multi-agent swarms with scalable hierarchies. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 647–648 (ACM, Portland, Oregon, USA, 2010).
- [Steiner et al.(2010)Steiner, Jin, and Sendhoff] Till Steiner, Yaochu Jin, and Bernhard Sendhoff. Evolving heterochrony for cellular differentiation using vector field embryogeny. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 571–578 (ACM, Portland, Oregon, USA, 2010).
- [Steitz and Rothlauf(2010)] Wolfgang Steitz and Franz Rothlauf. Solving OCST problems with problem-specific guided local search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 301–302 (ACM, Portland, Oregon, USA, 2010).
- [Stonedahl and Stonedahl(2010)] Forrest Stonedahl and Susa H. Stonedahl. Heuristics for sampling repetitions in noisy landscapes with fitness caching. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz,

- Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 273–280 (ACM, Portland, Oregon, USA, 2010).
- [Stracquadanio et al.(2010)Stracquadanio, Drago, Romano, and Nicosia] Giovanni Stracquadanio, Concetta Drago, Vittorio Romano, and Giuseppe Nicosia. Multi-objective optimization of doping profile in semiconductor design. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1243–1250 (ACM, Portland, Oregon, USA, 2010).
- [Su et al.(2010)Su, Gao, and Cao] Chi Su, Yang Gao, and Chun Cao. Learning classifier system using both labeled and unlabeled data. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1065–1066 (ACM, Portland, Oregon, USA, 2010).
- [Sugawara et al.(2010)Sugawara, Fukuda, Hirotsu, and Kurihara] Toshiharu Sugawara, Kensuke Fukuda, Toshio Hirotsu, and Satoshi Kurihara. Adaptive probabilistic task allocation in large-scale multi-agent systems and its evaluation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1311–1312 (ACM, Portland, Oregon, USA, 2010).
- [Tanji and Iba(2010)] Makoto Tanji and Hitoshi Iba. ConBreO: a music performance rendering system using hybrid approach of IEC and automated evolution. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1275–1282 (ACM, Portland, Oregon, USA, 2010).
- [Ter-Sarkisov et al.(2010)Ter-Sarkisov, Marsland, and Holland] Aram Ter-Sarkisov, Stephen R. Marsland, and Barbara R. Holland. The K-bit-swap: a new genetic algorithm operator. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 815–816 (ACM, Portland, Oregon, USA, 2010).
- [Toledo-Suárez(2010)] Carlos D. Toledo-Suárez. A first assessment of the use of extended relational alphabets in accuracy classifier systems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 991–998 (ACM, Portland, Oregon, USA, 2010).
- [Trefzer et al.(2010)Trefzer, Kuyucu, Miller, and Tyrrell] Martin A. Trefzer, Tuze Kuyucu, Julian F. Miller, and Andy M. Tyrrell. *Image compression of natural images using artificial gene regulatory networks*. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard,

- Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 595–602 (ACM, Portland, Oregon, USA, 2010).
- [Trujillo et al.(2010)Trujillo, Legrand, and Lévy-Véhel] Leonardo Trujillo, Pierrick Legrand, and Jacques Lévy-Véhel. The estimation of hölderian regularity using genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 861–868 (ACM, Portland, Oregon, USA, 2010).
- [Tsai et al.(2010)Tsai, Tseng, Chiang, and Yang] Chun-Wei Tsai, Shih-Pang Tseng, Ming-Chao Chiang, and Chu-Sing Yang. A framework for accelerating metaheuristics via pattern reduction. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 293–294 (ACM, Portland, Oregon, USA, 2010).
- [Tulshyan et al.(2010)Tulshyan, Arora, Deb, and Dutta] Rupesh Tulshyan, Ramnik Arora, Kalyanmoy Deb, and Joydeep Dutta. Investigating EA solutions for approximate KKT conditions in smooth problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 689–696 (ACM, Portland, Oregon, USA, 2010).
- [Tutum and Hattel(2010)] Cem C. Tutum and Jesper H. Hattel. Multi-objective optimization of process parameters in friction stir welding. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1323–1324 (ACM, Portland, Oregon, USA, 2010).
- [Ulrich et al.(2010)Ulrich, Bader, and Zitzler] Tamara Ulrich, Johannes Bader, and Eckart Zitzler. Integrating decision space diversity into hypervolume-based multiobjective search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 455–462 (ACM, Portland, Oregon, USA, 2010).
- [Unachak and Goodman(2010)] Prakarn Unachak and Erik Goodman. Solving multiobjective flexible job-shop scheduling using an adaptive representation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 737–742 (ACM, Portland, Oregon, USA, 2010).
- [Urbanowicz and Moore(2010)] Ryan J. Urbanowicz and Jason H. Moore. The application of michiganstyle learning classifiersystems to address genetic heterogeneity and epistasisin association

- studies. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 195–202 (ACM, Portland, Oregon, USA, 2010).
- [Uy et al.(2010)Uy, Hoai, O'Neill, and McKay] Nguyen Quang Uy, Nguyen Xuan Hoai, Michael O'Neill, and Bob McKay. Semantics based crossover for boolean problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 869–876 (ACM, Portland, Oregon, USA, 2010).
- [Vafaee et al.(2010) Vafaee, Turán, and Nelson] Fatemeh Vafaee, György Turán, and Peter C. Nelson. Optimizing genetic operator rates using a markov chain model of genetic algorithms. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 721–728 (ACM, Portland, Oregon, USA, 2010).
- [Valsecchi et al.(2010) Valsecchi, Vanneschi, and Mauri] Andrea Valsecchi, Leonardo Vanneschi, and Giancarlo Mauri. Optimization speed and fair sets of functions. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1475–1476 (ACM, Portland, Oregon, USA, 2010).
- [Vanneschi et al.(2010) Vanneschi, Codecasa, and Mauri] Leonardo Vanneschi, Daniele Codecasa, and Giancarlo Mauri. An empirical comparison of parallel and distributed particle swarm optimization methods. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 15–22 (ACM, Portland, Oregon, USA, 2010).
- [Veeramachaneni et al.(2010) Veeramachaneni, Vladislavleva, Burland, Parcon, and O'Reilly] Kalyan Veeramachaneni, Katya Vladislavleva, Matt Burland, Jason Parcon, and Una-May O'Reilly. Evolutionary optimization of flavors. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1291–1298 (ACM, Portland, Oregon, USA, 2010).
- [Verbancsics and Stanley(2010)] Phillip Verbancsics and Kenneth O. Stanley. Transfer learning through indirect encoding. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 547–554 (ACM, Portland, Oregon, USA, 2010).

- [Vladislavleva et al.(2010)Vladislavleva, Veeramachaneni, Burland, Parcon, and O'Reilly] Katya Vladislavleva, Kalyan Veeramachaneni, Matt Burland, Jason Parcon, and Una-May O'Reilly. Knowledge mining with genetic programming methods for variable selection in flavor design. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 941–948 (ACM, Portland, Oregon, USA, 2010).
- [Voßet al.(2010)Voß, Hansen, and Igel] Thomas Voß, Nikolaus Hansen, and Christian Igel. Improved step size adaptation for the MO-CMA-ES. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 487–494 (ACM, Portland, Oregon, USA, 2010).
- [Vrajitoru(2010)] Dana Vrajitoru. Shared memory genetic algorithms in a multi-agent context. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1097–1104 (ACM, Portland, Oregon, USA, 2010).
- [Walton et al.(2010)Walton, Grewal, and Darlington] Maxwell Walton, Gary Grewal, and Gerarda Darlington. Parallel FPGA-based implementation of scatter search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1075–1082 (ACM, Portland, Oregon, USA, 2010).
- [Wang and Tan(2010)] Jun Wang and Ying Tan. A novel genetic programming based morphological image analysis algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 979–980 (ACM, Portland, Oregon, USA, 2010).
- [Wen et al.(2010)Wen, Xu, and Yang] Yun Wen, Hua Xu, and Jiadong Yang. A heuristic-based hybrid genetic algorithm for heterogeneous multiprocessor scheduling. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 729–736 (ACM, Portland, Oregon, USA, 2010).
- [Whitley et al.(2010)Whitley, Chicano, Alba, and Luna] L. Darrell Whitley, Francisco Chicano, Enrique Alba, and Francisco Luna. Elementary landscapes of frequency assignment problems. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of

- the 12th annual conference on Genetic and evolutionary computation, pp. 1409–1416 (ACM, Portland, Oregon, USA, 2010).
- [Wilkerson and Tauritz(2010)] Josh L. Wilkerson and Daniel Tauritz. Coevolutionary automated software correction. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1391–1392 (ACM, Portland, Oregon, USA, 2010).
- [Wilson and Banzhaf(2010)] Garnett Wilson and Wolfgang Banzhaf. Interday foreign exchange trading using linear genetic programming. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1139–1146 (ACM, Portland, Oregon, USA, 2010).
- [Windisch(2010)] Andreas Windisch. Search-based test data generation from stateflow statecharts. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1349–1356 (ACM, Portland, Oregon, USA, 2010).
- [Wong et al.(2010)Wong, Leung, and Wong] Ka-Chun Wong, Kwong-Sak Leung, and Man-Hon Wong. Protein structure prediction on a lattice model via multimodal optimization techniques. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 155–162 (ACM, Portland, Oregon, USA, 2010).
- [Wu and Banzhaf(2010)] Shelly Xiaonan Wu and Wolfgang Banzhaf. A hierarchical cooperative evolutionary algorithm. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 233–240 (ACM, Portland, Oregon, USA, 2010).
- [Xu et al.(2010)Xu, Cohen, and Rothermel] Zhihong Xu, Myra B. Cohen, and Gregg Rothermel. Factors affecting the use of genetic algorithms in test suite augmentation. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1365–1372 (ACM, Portland, Oregon, USA, 2010).
- [Yang et al.(2010)Yang, Xu, Cai, and Jia] Jiadong Yang, Hua Xu, Yunpeng Cai, and Peifa Jia. Effective structure learning for EDA via L1-regularizedbayesian networks. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th

- annual conference on Genetic and evolutionary computation, pp. 327–334 (ACM, Portland, Oregon, USA, 2010).
- [Yehoshua et al.(2010)Yehoshua, Avigal, and Unger] Roi Yehoshua, Mireille Avigal, and Ron Unger. Analysis of the effects of lifetime learning on population fitness using vose model. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 681–688 (ACM, Portland, Oregon, USA, 2010).
- [You et al.(2010)You, Yu, and Lien] Ying-Shiuan You, Tain-Li Yu, and Ta-Chun Lien. Psychological preference-based optimization framework on the nurse scheduling problem. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1319–1320 (ACM, Portland, Oregon, USA, 2010).
- [Zafra and Ventura(2010)] Amelia Zafra and Sebastián Ventura. Grammar guided genetic programming for multiple instance learning: an experimental study. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 909–916 (ACM, Portland, Oregon, USA, 2010).
- [Zapotecas Martínez and Coello Coello (2010)] Saúl Zapotecas Martínez and Carlos A. Coello Coello. A multi-objective meta-model assisted memetic algorithm with non gradient-based local search. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 537–538 (ACM, Portland, Oregon, USA, 2010).
- [Zhan and Zhang(2010)] Zhi-Hui Zhan and Jun Zhang. Self-adaptive differential evolution based on PSO learning strategy. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 39–46 (ACM, Portland, Oregon, USA, 2010).
- [Zhang et al.(2010)Zhang, Alba, Durillo, Eldh, and Harman] Yuanyuan Zhang, Enrique Alba, Juan J. Durillo, Sigrid Eldh, and Mark Harman. Today/future importance analysis. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, pp. 1357–1364 (ACM, Portland, Oregon, USA, 2010).
- [Zhou and Tan(2010)] You Zhou and Ying Tan. Particle swarm optimization with triggered mutation and its implementation based on GPU. In Juergen Branke, Martin Pelikan, Enrique Alba, Dirk V. Arnold, Josh Bongard, Anthony Brabazon, Juergen Branke, Martin V. Butz, Jeff Clune, Myra

Cohen, Kalyanmoy Deb, Andries P Engelbrecht, Natalio Krasnogor, Julian F. Miller, Michael O'Neill, Kumara Sastry, Dirk Thierens, Jano van Hemert, Leonardo Vanneschi, and Carsten Witt (eds.) *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1–8 (ACM, Portland, Oregon, USA, 2010).