## Список литературы

[AHH04]

Konstantinos Adamopoulos, Mark Harman, and Robert M. Hierons, *How to overcome the equivalent mutant problem and achieve tailored selective mutation using co-evolution*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1338–1349.

[ALC+04]

Amit Agarwal, Meng-Hiot Lim, Chan Yee Chew, Tong Kiang Poo, Meng Joo Er, and Yew Kong Leong, Solution to the fixed airbase problem for autonomous urav site visitation sequencing, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 850–858.

[ALKE04]

Amit Agarwal, Meng-Hiot Lim, Maung Ye Win Kyaw, and Meng Joo Er, Inflight rerouting for an unmanned aerial vehicle, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 859–868.

[APH04]

G. Antoniol, M. Di Penta, and M. Harman, Search-based techniques for optimizing software project resource allocation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1425–1426.

[AS04]

Mark W. Andrews and Christopher Salzberg, Sexual and asexual paradigms in evolution: The implications for genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 379–380.

[AT04]

Walid Ali and Alexander Topchy, Memetic optimization of video chain designs, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 869–882.

[AU04]

Adnan Acan and Ahmet Unveren, An evolutionary constraint satisfaction solution for over the cell channel routing, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar

Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 838–849.

[BBTZ04]

Neal K. Bambha, Shuvra S. Bhattacharyya, Jürgen Teich, and Eckart Zitzler, Systematic integration of parameterized local search techniques in evolutionary algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 383–384.

[BC04]

Pedro J. Ballester and Jonathan N. Carter, Tackling an inverse problem from the petroleum industry with a genetic algorithm for sampling, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1299–1300.

[BCC04]

Alan Barbieri, Stefano Cagnoni, and Giulio Colavolpe, A genetic approach for generating good linear block error-correcting codes, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1301–1302.

[BFT04]

Jürgen Branke, Pablo Funes, and Frederik Thiele, Evolving en-route caching strategies for the internet, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 434–446.

[BG04]

Jaume Bacardit and Josep Maria Garrell, Analysis and improvements of the adaptive discretization intervals knowledge representation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 726–738.

[BGL04a]

Martin V. Butz, David E. Goldberg, and Pier Luca Lanzi, *Bounding learning time in xcs*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 739–750.

[BGL04b]

, Gradient-based learning updates improve xcs performance in multistep problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle,

WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 751–762.

[BL04]

Gabriel Catalin Balan and Sean Luke, A demonstration of neural programming applied to non-markovian problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 422–433.

[BLCS04]

Yaniv Bernstein, Xiaodong Li, Vic Ciesielski, and Andy Song, Improving generalisation performance through multiobjective parsimony enforcement, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 702–703.

[BM04a]

Seung-Hee Bae and Byung-Ro Moon, Mutation rates in the context of hybrid genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 381–382.

[BM04b]

Oliver Bandte and Sergey Malinchik, A broad and narrow approach to interactive evolutionary design – an aircraft design example, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 883–895.

[BSW04]

André Baresel, Harmen Sthamer, and Joachim Wegener, Applying evolutionary testing to search for critical defects, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1427–1428.

[BY04]

Thang N. Bui and Waleed A. Youssef, An enhanced genetic algorithm for dna sequencing by hybridization with positive and negative errors, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 908–919.

[BYTL04]

Bir Bhanu, Jiangang Yu, Xuejun Tan, and Yingqiang Lin, Feature synthesis using genetic programming for face expression recognition, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 896–907.

[CM04]

Yoon-Seok Choi and Byung-Ro Moon, Genetic fuzzy discretization for classification problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1303–1304.

[CT04]

Henry Wai-Kit Chia and Chew-Lim Tan, Confidence and support classification using genetically programmed neural logic networks, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 836–837.

[CYTK04]

Yen-Chih Chen, Jinn-Moon Yang, Chi-Hung Tsai, and Cheng-Yan Kao, Comparative molecular binding energy analysis of hiv-1 protease inhibitors using genetic algorithm-based partial least squares method, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 385–386.

[DHHG04]

Karnig Derderian, Robert M. Hierons, Mark Harman, and Qiang Guo, Input sequence generation for testing of communicating finite state machines (cfsms), Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1429–1430.

[DMDM04]

Kalyanmoy Deb, Kishalay Mitra, Rinku Dewri, and Saptarshi Majumdar, Unveiling optimal operating conditions for an epoxy polymerization process using multi-objective evolutionary computation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 920–931.

[DOB04]

Ian Dempsey, Michael O'Neill, and Anthony Brabazon, Grammatical constant creation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster,

Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 447–458.

[DP04]

Mohammad Amin Dallaali and Malin Premaratne, Controlled content crossover: A new crossover scheme and its application to optical network component allocation problem, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 387–389.

[DR04]

Venkat Devireddy and Patrick Reed, Efficient and reliable evolutionary multiobjective optimization using e-dominance archiving and adaptive population sizing, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 390–391.

[dSGL04]

Andrés Gómez de Silva Garza and Aram Zamora Lores, Automating evolutionary art in the style of mondrian, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 394–395.

[EH04]

Brent E. Eskridge and Dean F. Hougen, *Memetic crossover for genetic programming: Evolution through imitation*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 459–470.

 $[EIK^+04a]$ 

Lionel Elliott, Derek B. Ingham, Adrian G. Kyne, Nicolae S. Mera, Mohamed Pourkashanian, and Sean Whittaker, Efficient clustering-based genetic algorithms in chemical kinetic modelling, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 932–944.

 $[EIK^+04b]$ 

Lionel Elliott, Derek B. Ingham, Adrian G. Kyne, Nicolae S. Mera, Mohamed Pourkashanian, and Christopher W. Wilson, An informed operator based genetic algorithm for tuning the reaction rate parameters of chemical kinetics mechanisms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 945–956.

[Fer04]

Thomas Fernandez, Virtual ramping of genetic programming populations, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA)

(Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 471–482.

[FG04]

Hans Fernlund and Avelino J. Gonzalez, *Using gp to model contextual human behavior*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 704–705.

[FGP04]

Ian Frommer, Bruce Golden, and Guruprasad Pundoor, Heuristic methods for solving euclidean non-uniform steiner tree problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 392–393.

[FLS04]

Fabrizio Ferrandi, Pier Luca Lanzi, and Donatella Sciuto, System level hardware-software design exploration with xcs, Genetic and Evolutionary Computation — GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 763–773.

[Fuk04]

Alex S. Fukunaga, Evolving local search heuristics for sat using genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 483–494.

[FV04]

Luciano Petinati Ferreira and Silvia Regina Vergilio, Tdsgen: An environment based on hybrid genetic algorithms for generation of test data, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1431–1432.

[GM04a]

Faustino J. Gomez and Risto Miikkulainen, Transfer of neuroevolved controllers in unstable domains, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 957–968.

[GM04b]

Uli Grasemann and Risto Miikkulainen, Evolving wavelets using a coevolutionary genetic algorithm and lifting, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang

Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 969–980.

[GRB04]

Luis C. González, Heidi J. Romero, and Carlos A. Brizuela, A genetic algorithm for the shortest common superstring problem, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1305–1306.

[Han04]

Hisashi Handa, Mutation can improve the search capability of estimation of distribution algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 396–397.

[Her04]

Luis Miramontes Hercog, Co-evolutionary agent self-organization for city traffic congestion modeling, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 993–1004.

[HIA04]

Babak Hodjat, Junichi Ito, and Makoto Amamiya, A genetic algorithm to improve agent-oriented natural language interpreters, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1307–1309.

[HKW04]

Q.Y. Hong, Sam Kwong, and H.L. Wang, Optimization of gaussian mixture model parameters for speaker identification, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1310–1311.

[HM04]

Nguyen Xuan Hoai and R.I. McKay, Softening the structural difficulty in genetic programming with tag-based representation and insertion/deletion operators, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 605–616.

[HMV04]

Talib Hussain, David Montana, and Gordon Vidaver, Evolution-based deliberative planning for cooperating unmanned ground vehicles in a dynamic environment,

Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1017–1029.

[Hor04]

Gregory S. Hornby, Shortcomings with tree-structured edge encodings for neural networks, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 495–506.

[HRZH04]

Scott Harmon, Edwin Rodríguez, Christopher Zhong, and William Hsu, A comparison of hybrid incremental reuse strategies for reinforcement learning in genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 706–707.

[HS04a]

Karim Hamza and Kazuhiro Saitou, Optimization of constructive solid geometry via a tree-based multi-objective genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 981–992.

[HS04b]

Chung-Yuan Huang and Chuen-Tsai Sun, Parameter adaptation within co-adaptive learning classifier systems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 774–784.

[Jan04]

Cezary Z. Janikow, Adapting representation in genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 507–518.

[JR04]

Jae-Yoon Jung and James A. Reggia, A descriptive encoding language for evolving modular neural networks, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 519–530.

[KCM04]

Jung-Hwan Kim, Sung-Soon Choi, and Byung-Ro Moon, Neural network normalization for genetic search, Genetic and Evolutionary Computation -

GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 398–399.

[KDL04]

Mark P. Kleeman, Richard O. Day, and Gary B. Lamont, Analysis of a parallel moea solving the multi-objective quadratic assignment problem, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 402–403.

 $[KJC^{+}04]$ 

Arthur Kordon, Elsa Jordaan, Lawrence Chew, Guido Smits, Torben Bruck, Keith Haney, and Annika Jenings, Biomass inferential sensor based on ensemble of models generated by genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1078–1089.

[KK04a]

Edward Keedwell and Soon-Thiam Khu, *Hybrid genetic algorithms for multi-objective optimisation of water distribution networks*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1042–1053.

[KK04b]

Tim Kovacs and Manfred Kerber, *High classification accuracy does not imply effective genetic search*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 785–796.

 $[KKJ^{+}04]$ 

Taras Kowaliw, Nawwaf Kharma, Chris Jensen, Hussein Moghnieh, and Jie Yao, Cellnet co-ev: Evolving better pattern recognizers using competitive co-evolution, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1090–1101.

[KKM04]

Jong-Pil Kim, Yong-Hyuk Kim, and Byung-Ro Moon, A hybrid genetic approach for circuit bipartitioning, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1054–1064.

[KM04a]

Yong-Hyuk Kim and Byung-Ro Moon, Distance measures in genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 400–401.

[KM04b]

\_\_\_\_\_\_\_, Lagrange multiplier method for multi-campaign assignment problem, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1065–1077.

[KM04c]

Yung-Keun Kwon and Byung-Ro Moon, Evolutionary ensemble for stock prediction, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1102–1113.

[KM04d]

\_\_\_\_\_\_, Evolving features in neural networks for system identification, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 404–405.

[KRC04]

Maarten Keijzer, Conor Ryan, and Mike Cattolico, Run transferable libraries – learning functional bias in problem domains, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 531–542.

[KS04]

Evan Kirshenbaum and Henri J. Suermondt, *Using genetic programming to obtain a closed-form approximation to a recursive function*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 543–556.

[KTA04]

Raffi Kamalian, Hideyuki Takagi, and Alice M. Agogino, Optimized design of mems by evolutionary multi-objective optimization with interactive evolutionary computation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1030–1041.

[LA04]

Guangfa Lu and Shawki Areibi, An island-based ga implementation for vlsi standard-cell placement, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1138–1150.

[LB04a]

André Leier and Wolfgang Banzhaf, Comparison of selection strategies for evolutionary quantum circuit design, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 557–568.

[LB04b]

Juan Liu and Andrzej Buller, Evolving spike-train processors, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 408–409.

[LBW04]

Frank Lammermann, André Baresel, and Joachim Wegener, Evaluating evolutionary testability with software-measurements, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1350–1362.

[LC04]

Brian Lam and Vic Ciesielski, Discovery of human-competitive image texture feature extraction programs using genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1114–1125.

[LI04]

Hongwei Liu and Hitoshi Iba, *Humanoid robot programming based on cbr augmented gp*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 708–709.

[LJS04]

Lesley D. Lloyd, Roy L. Johnston, and Said Salhi, Development of a genetic algorithm for optimization of nanoalloys, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1316–1317.

[LKBF04]

Virginie Lefort, Carole Knibbe, Guillaume Beslon, and Joël Favrel, A bio-inspired genetic algorithm with a self-organizing genome: The rbf-gene model, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 406–407.

[LLM04a]

Yong Liang, Kwong-Sak Leung, and Tony Shu Kam Mok, Evolutionary drug scheduling model for cancer chemotherapy, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1126–1137.

[LLM04b]

Fernando G. Lobo, Cláudio F. Lima, and Hugo Mártires, An architecture for massive parallelization of the compact genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 412–413.

[LNG04]

Elizabeth Leon, Olfa Nasraoui, and Jonatan Gomez, Network intrusion detection using genetic clustering, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1312–1313.

[Lob04]

Fernando G. Lobo, A philosophical essay on life and its connections with genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 410–411.

 $[LOpC^+04]$ 

Xavier Llorá, Kei Ohnishi, Ying ping Chen, David E. Goldberg, and Michael E. Welge, Enhanced innovation: A fusion of chance discovery and evolutionary computation to foster creative processes and decision making, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1314–1315.

[LW04]

Xavier Llorà and Stewart W. Wilson, *Mixed decision trees: Minimizing knowledge representation bias in lcs*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee

Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 797–809.

[Mas04]

Igor V. Maslov, Reducing the cost of the hybrid evolutionary algorithm with image local response in electronic imaging, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1177–1188.

[MB04]

Sergey Malinchik and Eric Bonabeau, Exploratory data analysis with interactive evolution, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1151–1161.

[MCS04]

Paul Massey, John A. Clark, and Susan Stepney, Evolving quantum circuits and programs through genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 569–580.

[MH04a]

A.R. McIntyre and M.I. Heywood, On multi-class classification by way of niching, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 581–592.

[MH04b]

Phil McMinn and Mike Holcombe, *Hybridizing evolutionary testing with the chaining approach*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1363–1374.

[MHH04]

Shingo Mabu, Kotaro Hirasawa, and Jinglu Hu, Genetic network programming with reinforcement learning and its performance evaluation, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 710–711.

[MJC04]

Nicholas Freitag McPhee, Alex Jarvis, and Ellery Fussell Crane, On the strength of size limits in linear genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca

Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 593–604.

[ML04]

Jonathan Mohr and Xiaobo Li, A caching genetic algorithm for spectral breakpoint matching, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1320–1321.

[MMT04]

Brian S. Mitchell, Spiros Mancoridis, and Martin Traverso, *Using interconnection style rules to infer software architecture relations*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1375–1387.

[MN04]

Tadahiko Murata and Takashi Nakamura, *Multi-agent cooperation using genetic network programming with automatically defined groups*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 712–714.

[MO04]

Jarno Martikainen and Seppo J. Ovaska, *Designing multiplicative general parameter filters using adaptive genetic algorithms*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1162–1176.

[MWiT04]

Shouichi Matsui, Isamu Watanabe, and Ken ichi Tokoro, Empirical performance evaluation of a parameter-free ga for jssp, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1318–1319.

[MWS04]

Rashad L. Moore, Ashley Williams, and John Sheppard, *Multi-agent simulation of airline travel markets*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1322–1323.

[Nag04]

Yuichi Nagata, The lens design using the cma-es algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund

Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1189–1200.

[NL04]

Olfa Nasraoui and Elizabeth Leon, *Improved niching and encoding strategies for clustering noisy data sets*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1324–1325.

[NS04]

James Northern and Michael Shanblatt, A multi-objective approach to configuring embedded system architectures, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1326–1327.

 $[OBN^{+}04]$ 

Michael O'Neill, Anthony Brabazon, Miguel Nicolau, Sean Mc Garraghy, and Peter Keenan,  $\pi grammatical\ evolution$ , Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 617–629.

[PG04]

Gerulf K.M. Pedersen and David E. Goldberg, *Dynamic uniform scaling for multiobjective genetic algorithms*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 11–23.

[PL04a]

Liviu Panait and Sean Luke, Alternative bloat control methods, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 630–641.

[PL04b]

Martin Pelikan and Tz-Kai Lin, *Parameter-less hierarchical boa*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 24–35.

[PO04]

Marcin L. Pilat and Franz Oppacher, Robotic control using hierarchical genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano,

James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 642–653.

 $[POT^{+}04]$ 

Martin Pelikan, Jiri Ocenasek, Simon Trebst, Matthias Troyer, and Fabien Alet, Computational complexity and simulation of rare events of ising spin glasses, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 36-47.

[PRTJQMMEE04]

Marco Antonio Paz-Ramos, Jose Torres-Jimenez, Enrique Quintero-Marmol-Marquez, and Hugo Estrada-Esquivel, *Pid controller tuning for stable and unstable processes applying ga*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1–10.

[PS04]

Martin Pelikan and Kumara Sastry, Fitness inheritance in the bayesian optimization algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 48–59.

[PSS04]

Wojciech Piaseczny, Hideaki Suzuki, and Hidefumi Sawai, Chemical genetic programming – coevolution between genotypic strings and phenotypic trees, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 715–716.

[QS04]

Wei Quan and Terence Soule, A study of the role of single node mutation in genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 717–718.

[RCpC04]

Laure Rigal, Bruno Castanier, and Phili ppe Castagliola, Introduction of a new selection parameter in genetic algorithm for constrained reliability design problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 90–101.

[RHJ04]

Mark A. Renslow, Brenda Hinkemeyer, and Bryant A. Julstrom, *How are we doing? predicting evolutionary algorithm performance*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb,

Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 82–89.

[RMA04]

Conor Ryan, Hammad Majeed, and Atif Azad, *A competitive building block hypothesis*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 654–665.

[Rot04]

Corina Rotar, An evolutionary technique for multicriterial optimization based on endocrine paradigm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 414–415.

[RR04]

Farzan Rashidi and Mehran Rashidi, Limit cycle prediction in multivariable nonlinear systems using genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 60–68.

[RSM04]

Joseph Reisinger, Kenneth O. Stanley, and Risto Miikkulainen, *Evolving reusable neural modules*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 69–81.

[RTTJ04]

Eduardo Rodriguez-Tello and Jose Torres-Jimenez, Improving the performance of a genetic algorithm using a variable-reordering algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 102–113.

[RVOM04]

Katya Rodríguez-Vázquez and Carlos Oliver-Morales, *Multi-branches genetic programming as a tool for function approximation*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 719–721.

[San04]

Rian Sanderson, Automatic synthesis of an 802.11a wireless lan antenna using genetic programming a real world application, Genetic and Evolutionary

Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1201–1213.

[Sat04]

Yuji Sato, Achieving shorter search times in voice conversion using interactive evolution, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1328–1329.

[SC04]

Sara Silva and Ernesto Costa, Dynamic limits for bloat control: Variations on size and depth, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 666–677.

[Sch04]

Lothar M. Schmitt, Classification with scaled genetic algorithms in a coevolutionary setting, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 138–149.

[SCM04]

Dong-Il Seo, Sung-Soon Choi, and Byung-Ro Moon, New epistasis measures for detecting independently optimizable partitions of variables, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 150–161.

[SG04a]

Kumara Sastry and David E. Goldberg, Designing competent mutation operators via probabilistic model building of neighborhoods, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 114–125.

[SG04b]

\_\_\_\_\_, Let's get ready to rumble: Crossover versus mutation head to head, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 126–137.

[SGW04]

Olivier Sigaud, Thierry Gourdin, and Pierre-Henri Wuillemin, *Improving macs thanks to a comparison with 2tbns*, Genetic and Evolutionary Computation –

GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 810–823.

 $[SHF^+04]$ 

Kisung Seo, Jianjun Hu, Zhun Fan, Erik D. Goodman, and Ronald C. Rosenberg, Hierarchical breeding control for efficient topology/parameter evolution, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 722–723.

[SJKP04]

Eoksu Sim, Sungwon Jung, Haejoong Kim, and Jinwoo Park, A generic network design for a closed-loop supply chain using genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1214–1225.

[SM04]

Kenneth O. Stanley and Risto Miikkulainen, Evolving a roving eye for go, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1226–1238.

[Sol04]

Andrea Soltoggio, A comparison of genetic programming and genetic algorithms in the design of a robust, saturated control system, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 174–185.

[STL04]

Weiguo Sheng, Allan Tucker, and Xiaohui Liu, Clustering with niching genetic k-means algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 162–173.

[Str04]

Matthew J. Streeter, Upper bounds on the time and space complexity of optimizing additively separable functions, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 186–197.

[SUZ04]

Felix Streichert, Holger Ulmer, and Andreas Zell, Comparing discrete and continuous genotypes on the constrained portfolio selection problem, Genetic

and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1239–1250.

[SW04]

Hal Stringer and Annie S. Wu, Winnowing wheat from chaff: The chunking ga, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 198–209.

 $[SWT^+04]$ 

C.R. Stephens, H. Waelbroeck, S. Talley, R. Cruz, and A.S. Ash, *Predicting healthcare costs using classifiers*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1330–1331.

[TH04]

M. David Terrio and Malcolm I. Heywood, On naive crossover biases with reproduction for simple solutions to classification problems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 678–689.

[Thi04]

Dirk Thierens, Population-based iterated local search: Restricting neighborhood search by crossover, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 234–245.

[TMA04a]

Masaru Tezuka, Masaharu Munetomo, and Kiyoshi Akama, Linkage identification by nonlinearity check for real-coded genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 222–233.

[TMA04b]

Miwako Tsuji, Masaharu Munetomo, and Kiyoshi Akama, *Modeling dependencies of loci with string classification according to fitness differences*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 246–257.

[TO04]

Alexander F. Tulai and Franz Oppacher, Multiple species weighted voting – a genetics-based machine learning system, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1263–1274.

[TPC04]

Jorge Tavares, Francisco B. Pereira, and Ernesto Costa, Evolving golomb rulers, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 416–417.

[TRP04]

Carsten Tzschoppe, Franz Rothlauf, and Hans-Josef Pesch, *The edge-set encoding revisited: On the bias of a direct representation for trees*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 258–270.

 $[TSS^+04]$ 

Andrea Tettamanzi, Luca Sammartino, Mikhail Simonov, Massimo Soroldoni, and Mauro Beretta, Learning environment for life time value calculation of customers in insurance domain, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1251–1262.

[TT04]

Ken Taniguchi and Takao Terano, Keeping the diversity with small populations using logic-based genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 724–725.

[TW04]

Joc Cing Tay and Djoko Wibowo, An effective chromosome representation for evolving flexible job shop schedules, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 210–221.

[USE04]

Sima Uyar, Sanem Sariel, and Gulsen Eryigit, A gene based adaptive mutation strategy for genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee

Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 271–281.

[VÓ4]

Róbert Ványi, Object oriented design and implementation of a general evolutionary algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1275–1286.

[VCC+04]

Leonardo Vanneschi, Manuel Clergue, Philippe Collard, Marco Tomassini, and Sébastien Vérel, Fitness clouds and problem hardness in genetic programming, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 690–701.

[VP04a]

Rodrigo Vivanco and Nicolino Pizzi, Finding effective software metrics to classify maintainability using a parallel genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1388–1399.

[VP04b]

Kevin Vogts and Nigel Pope, Generating compact rough cluster descriptions using an evolutionary algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1332–1333.

[WB04]

Joachim Wegener and Oliver Bühler, Evaluation of different fitness functions for the evolutionary testing of an autonomous parking system, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1400–1412.

[WBR04]

Darrell Whitley, Keith Bush, and Jonathan Rowe, Subthreshold-seeking behavior and robust local search, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 282–293.

[WC04a]

Mark Wineberg and Jun Chen, The shifting balance genetic algorithm as more than just another island model ga, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee

Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 318–329.

[WC04b]

Alden Wright and Greg Cripe, Bistability of the needle function in the presence of truncation selection, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 330–342.

[WFL04]

Horst F. Wedde, Muddassar Farooq, and Mario Lischka, An evolutionary meta hierarchical scheduler for the linux operating system, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1334–1335.

[WFS04]

Christopher Willis-Ford and Terence Soule, *Non-stationary subtasks can improve diversity in stationary tasks*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 307–317.

[Wil04]

Stewart W. Wilson, Classifier systems for continuous payoff environments, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 824–835.

[WLK04]

Darrell Whitley, Monte Lunacek, and James Knight, Ruffled by ridges: How evolutionary algorithms can fail, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 294–306.

 $[WPS^+04]$ 

Alden Wright, Riccardo Poli, Christopher R. Stephens, W.B. Langdon, and Sandeep Pulavarty, An estimation of distribution algorithm based on maximum entropy, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 343–354.

[WS04]

Klaus Weinert and Marc Stautner, Generating multiaxis tool paths for die and mold making with evolutionary algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca

Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1287–1298.

 $[WTZ^+04]$ 

Zhijian Wu, Zhilong Tang, Jun Zou, Lishan Kang, and Mingbiao Li, An evolutionary algorithm for parameters identification in parabolic systems, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1336–1337.

[YG04a]

Tian-Li Yu and David E. Goldberg, Dependency structure matrix analysis: Offline utility of the dependency structure matrix genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 355–366.

[YG04b]

\_\_\_\_\_\_, Toward an understanding of the quality and efficiency of model building for genetic algorithms, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 367–378.

[YJW04]

Han Yu, Ning Jiang, and Annie S. Wu, *Populating genomes in a dynamic grid*, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 418-419.

[ZC04]

Yuan Zhan and John Clark, Search based automatic test-data generation at an architectural level, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1413–1424.

[zHR04]

Džena Hidovic and Jonathan E. Rowe, Validating a model of colon colouration using an evolution strategy with adaptive approximations, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 1005–1016.

[ZL04]

Kenny Q. Zhu and Ziwei Liu, Empirical study of population diversity in permutation-based genetic algorithm, Genetic and Evolutionary Computation – GECCO-2004, Part II (Seattle, WA, USA) (Kalyanmoy Deb, Riccardo Poli, Wolfgang Banzhaf, Hans-Georg Beyer, Edmund Burke, Paul Darwen, Dipankar

Dasgupta, Dario Floreano, James Foster, Mark Harman, Owen Holland, Pier Luca Lanzi, Lee Spector, Andrea Tettamanzi, Dirk Thierens, and Andy Tyrrell, eds.), Lecture Notes in Computer Science, vol. 3103, Springer-Verlag, 26-30 June 2004, pp. 420–421.