Список литературы

[Archetti et al.(2006)Archetti, Messina, Toscani, and Vanneschi] Francesco Archetti, Enza Messina, Daniele Toscani, and Leonardo Vanneschi. *Classifying and Counting Vehicles in Traffic Control Applications*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 495–499 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Azzini and Tettamanzi(2006)] Antonia Azzini and Andrea G. B. Tettamanzi. *A Neural Evolutionary Classification Method for Brain-Wave Analysis*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 500–504 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Bakir and Sezerman(2006)] Burcu Bakir and Osman Ugur Sezerman. *Functional Classification of G-Protein Coupled Receptors, Based on Their Specific Ligand Coupling Patterns*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 1–12 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Basa et al.(2006)Basa, Go, Yoo, and Lee] Tristan Basa, Christian Anthony Go, Kil-Sang Yoo, and Won-Hyung Lee. *Using Physiological Signals to Evolve Art*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 633–641 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Basseur and Zitzler(2006)] Matthieu Basseur and Eckart Zitzler. *A Preliminary Study On Handling Uncertainty in Indicator-Based Multiobjective Optimization*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 727–739 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Besson et al.(2006)Besson, Vesin, Popovici, and Kunt] Patricia Besson, Jean-Marc Vesin, Vlad Popovici, and Murat Kunt. *Differential Evolution applied to a multimodal information theoretic optimization problem*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 505–509 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Bocchi and Ballerini(2006)] Leonardo Bocchi and Lucia Ballerini. *Image Space Colonization Algorithm*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 356–367 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Bolshakova et al.(2006)Bolshakova, Azuaje, and Cunningham] Nadia Bolshakova, Francisco Azuaje, and Pádraig Cunningham. *Incorporating biological domain knowledge into cluster validity assessment.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 13–22 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Bown and Lexer(2006)] Oliver Bown and Sebastian Lexer. *Continuous-Time Recurrent Neural Networks for Generative and Interactive Musical Performance.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 652–663 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Branke et al.(2006)Branke, Orbayı, and Şima Uyar] Jürgen Branke, Merve Orbayı, and Şima Uyar. *The Role of Representations in Dynamic Knapsack Problems.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 764–775 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Breukelaar et al.(2006)Breukelaar, Emmerich, and Bäck] Ron Breukelaar, Michael Emmerich, and Thomas Bäck. *On Interactive Evolution Strategies.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 530–541 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Brintrup et al.(2006)Brintrup, Takagi, and Ramsden] Alexandra Melike Brintrup, Hideyuki Takagi, and Jeremy Ramsden. *Evaluation of Sequential, Multi-objective, and Parallel Interactive Genetic Algorithms for Multi-objective Floor Plan Optimisation.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 586–598 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Campolongo and Vena(2006)] Gianfranco Campolongo and Stefano Vena. *Science of Networks and Music: A New Approach on Musical Analysis and Creation.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 642–651 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Chen et al.(2006)Chen, Jeng, Yang, and Lai] Chia-Mei Chen, Bing Chiang Jeng, Chia Ru Yang, and Gu Hsin Lai. *Tracing Denial of Service Origin: Ant Colony Approach.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 286–295 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Cheran and Gargano(2006)] Sorin Cristian Cheran and Gianfranco Gargano. *Artificial Life Models in Lung CTs.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta,

Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 510–514 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Cho et al.(2006)Cho, Hong, and Cho] Ung-Keun Cho, Jin-Hyuk Hong, and Sung-Bae Cho. *Evolutionary Singularity Filter Bank Optimization for Fingerprint Image Enhancement*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 380–390 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Collomosse(2006)] John P. Collomosse. *Supervised genetic search for parameter selection in painterly rendering*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 599–610 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Comellas and Sapena(2006)] Francesc Comellas and Emili Sapena. *A multiagent algorithm for graph partitioning*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 279–285 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Cordella et al.(2006)Cordella, De Stefano, Fontanella, and Marcelli] Luigi Pietro Cordella, Claudio De Stefano, Francesco Fontanella, and Angelo Marcelli. *Evolutionary Generation of Prototypes for a Learning Vector Quantization Classfier*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 391–402 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Danyi et al.(2006)Danyi, Kókai, and Csontos] Kornélia Danyi, Gabriella Kókai, and József Csontos. *A novel Mathematical Model for the Optimization of DNA-Chip Design and its Implementation*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 23–33 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[De Falco et al.(2006)De Falco, Cioppa, and Tarantino] Ivanoe De Falco, Antonio Della Cioppa, and Ernesto Tarantino. *Automatic Classification of Handsegmented Image Parts with Differential Evolution*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 403–414 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Gounaropoulos and Johnson(2006)] Alex Gounaropoulos and Colin G. Johnson. *Synthesising timbres and timbre-changes from adjectives/adverbs*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni,

Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 664–675 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Greenfield(2006)] Gary Greenfield. *Robot Paintings Evolved using Simulated Robots.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 611–621 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Hazan et al.(2006)Hazan, Ramirez, Maestre, Perez, and Pertusa] Amaury Hazan, Rafael Ramirez, Esteban Maestre, Alfonso Perez, and Antonio Pertusa. *Modelling Expressive Performance: a Regression Tree Approach Based on Strongly Typed Genetic Programming.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 676–687 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Henriques et al.(2006)Henriques, Correia, Manzolli, Correia, and Chambel] Nuno A. C. Henriques, Nuno Correia, Jônatas Manzolli, Luís Correia, and Teresa Chambel. *MovieGene: Evolutionary Video Production based on Genetic Algorithms and Cinematic Properties.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 707–711 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Hochreiter(2006)] Ronald Hochreiter. *Audible convergence for optimal base melody extension with statistical genre-specific interval distance evaluation.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 712–716 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Hong et al.(2006)Hong, Yang, Wang, Lin, Yang, and Lin] Chao-Fu Hong, Hsiao-Fang Yang, Leuo-Hong Wang, Mu-Hua Lin, Po-Wen Yang, and Geng-Sian Lin. *Creating Chance by New Interactive Evolutionary Computation: Bipartite Graph Based Interactive Genetic Algorithm.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 554–564 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Hsu and Hung(2006)] Fang-Cheng Hsu and Ming-Hsiang Hung. *Practically Applying Interactive Genetic Algorithms to Customers' Designs on a Customizable C2C Framework: Entrusting Select Operations to IGA Users.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 575–585 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Huerta et al.(2006)Huerta, Duval, and Hao] Edmundo Bonilla Huerta, Béatrice Duval, and Jin-Kao Hao. *A Hybrid GA/SVM Approach for Gene Selection and Classification of Microarray*

Data. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 34–44 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Khalifa and Foster(2006)] Yaser Khalifa and Robert Foster. *A Two-Stage Autonomous Evolutionary Music Composer.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 717–721 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Kim et al.(2006)Kim, Cho, and Zhang] Kee-Young Kim, Dong-Yeon Cho, and Byoung-Tak Zhang. *Multi-Stage Evolutionary Algorithms for Efficient Identification of Gene Regulatory Networks.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 45–56 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Kim and Zhang(2006)] Sun Kim and Byoung-Tak Zhang. *Human Papillomavirus Risk Type Classification from Protein Sequences Using Support Vector Machines.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 57–66 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Kinane et al.(2006)Kinane, Muresan, and O'Connor] Andrew Kinane, Valentin Muresan, and Noel O'Connor. *Optimisation of Constant Matrix Multiplication Operation Hardware Using a Genetic Algorithm.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 296–307 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Kobliha et al.(2006)Kobliha, Schwarz, and Očenášek] Miloš Kobliha, Josef Schwarz, and Jiří Očenášek. *Bayesian Optimization Algorithms for Dynamic Problems.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 800–804 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Krawiec(2006)] Krzysztof Krawiec. *Learning High-Level Visual Concepts using Attributed Primitives and Genetic Programming.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 515–519 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Kühne and Drechsler(2006)] Ulrich Kühne and Nicole Drechsler. *Finding Compact BDDs Using Genetic Programming.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa,

Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 308–319 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Legrand et al.(2006)Legrand, Lutton, and Olague] Pierrick Legrand, Evelyne Lutton, and Gustavo Olague. *Evolutionary denoising based on an estimation of Hölder exponents with oscillations.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 520–524 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Li et al.(2006)Li, Emmerich, Bovenkamp, Eggermont, Bäck, Dijkstra, and Reiber] Rui Li, Michael Emmerich, Ernst G. P. Bovenkamp, Jeroen Eggermont, Thomas Bäck, Jouke Dijkstra, and Johan H. C. Reiber. *Mixed-Integer Evolution Strategies and their Application to Intravascular Ultrasound Image Analysis.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 415–426 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Logofatu and Drechsler(2006)] Doina Logofatu and Rolf Drechsler. *Efficient Evolutionary Approaches for the Data Ordering Problem with Inversion.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 320–331 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Luna et al.(2006)Luna, Nebro, Dorronsoro, Alba, Bouvry, and Hogie] Francisco Luna, Antonio J. Nebro, Bernabé Dorronsoro, Enrique Alba, Pascal Bouvry, and Luc Hogie. *Optimal Broadcasting in Metropolitan MANETs Using Multiobjective Scatter Search.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 255–266 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Magnus(2006)] Cristyn Magnus. *Evolutionary Musique Concrète.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 688–695 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Mahata et al.(2006)Mahata, Costa, Cotta, and Moscato] Pritha Mahata, Wagner Costa, Carlos Cotta, and Pablo Moscato. *Hierarchical Clustering, Languages and Cancer.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 67–78 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Marchiori et al.(2006)Marchiori, Jimenez, West-Nielsen, and Heegaard] Elena Marchiori, Connie R. Jimenez, Mikkel West-Nielsen, and Niels H. H. Heegaard. *Robust SVM-based biomarker selection*

with noisy mass spectrometric proteomic data. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 79–90 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Martins and Miranda(2006)] João M. Martins and Eduardo R. Miranda. *A Connectionist Architecture for the Evolution of Rhythms.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 696–706 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Meyer and Bontempi(2006)] Patrick Emmanuel Meyer and Gianluca Bontempi. *On the Use of Variable Complementarity for Feature Selection in Cancer Classification.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 91–102 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Motsinger et al.(2006)Motsinger, Dudek, Hahn, and Ritchie] Alison A. Motsinger, Scott M. Dudek, Lance W. Hahn, and Marylyn D. Ritchie. *Comparison of Neural Network Optimization Approaches for Studies of Human Genetics.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 103–114 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Neri et al.(2006)Neri, Cascella, Salvatore, Kononova, and Acciani] Ferrante Neri, Giuseppe L. Cascella, Nadia Salvatore, Anna V. Kononova, and Giuseppe Acciani. *Prudent-Daring vs Tolerant Survivor Selection Schemes in Control Design of Electric Drives.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 805–810 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Ohlídal et al.(2006)Ohlídal, Jaroš, Schwarz, and Dvořák] Miloš Ohlídal, Jiří Jaroš, Josef Schwarz, and Václav Dvořák. *Evolutionary Design of OAB and AAB Communication Schedules for Interconnection Networks.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 267–278 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Olague and Puente(2006)] Gustavo Olague and Cesar Puente. *The Honeybee Search Algorithm for Three-dimensional Reconstruction.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 427–437 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Óscar Pérez et al.(2006)Óscar Pérez, Ángel Patricio, García, and Molina] Óscar Pérez, Miguel Ángel Patricio, Jesús García, and José Manuel Molina. *Improving the Segmentation Stage of a Pedestrian*

Tracking Video-based System by means of Evolution Strategies. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 438–449 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Palacios et al.(2006)Palacios, Pelta, and Blanco] Pablo Palacios, David Pelta, and Armando Blanco. *Obtaining Biclusters in Microarrays with Population-based Heuristics*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 115–126 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Porto and Barbosa(2006a)] Alexandre H. L. Porto and Valmir C. Barbosa. *A Methodology for Determining Amino-Acid Substitution Matrices from Set Covers*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 138–148 (Springer Verlag, Budapest, 2006a). ISBN 3-540-33237-5.

[Porto and Barbosa(2006b)] Alexandre H. L. Porto and Valmir C. Barbosa. *Multiple Sequence Alignment Based on Set Covers*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 127–137 (Springer Verlag, Budapest, 2006b). ISBN 3-540-33237-5.

[Rajapakse et al.(2006)Rajapakse, Schmidt, and Brusic] Menaka Rajapakse, Bertil Schmidt, and Vladimir Brusic. *Multi-Objective Evolutionary Algorithm for Discovering Peptide Binding Motifs*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 149–158 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Rand and Riolo(2006)] William Rand and Rick Riolo. *The Effect of Building Block Construction on the Behavior of the GA in Dynamic Environments: A Case Study Using the Shaky Ladder Hyperplane-Defined Functions*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 776–787 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Romero-Zaliz et al.(2006)Romero-Zaliz, Rubio-Escudero, Cordón, Harari, del Val, and Zwir] Rocío Romero-Zaliz, Cristina Rubio-Escudero, Oscar Cordón, Oscar Harari, Coral del Val, and Igor Zwir. *Mining Structural Databases: An Evolutionary Multi-Objective Conceptual Clustering Methodology*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 159–171 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Rothlauf et al.(2006)Rothlauf, Branke, Cagnoni, Costa, Cotta, Drechsler, Lutton, Machado, Moore, Romero, Smith, Squ] Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.). *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS* (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Rubio-Escudero et al.(2006)Rubio-Escudero, Romero-Zaliz, Cordon, Harari, del Val, and Zwir] Cristina Rubio-Escudero, Rocío Romero-Zaliz, Oscar Cordon, Oscar Harari, Coral del Val, and Igor Zwir. *Optimal Selection of Microarray Analysis Methods using a Conceptual Clustering Algorithm*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 172–183 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Sáez et al.(2006)Sáez, Isasi, Segovia, and Mochón] Yago Sáez, Pedro Isasi, Javier Segovia, and Asunción Mochón. *An experimental comparative study for Interactive Evolutionary Computation problems*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 542–553 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Santarosa et al.(2006)Santarosa, Moroni, and Manzolli] Ribamar Santarosa, Artemis Moroni, and Jônatas Manzolli. *Layered Genetical Algorithms Evolving Into Musical Accompaniment Generation*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 722–726 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Sastry et al.(2006)Sastry, Winward, Goldberg, and Lima] Kumara Sastry, Paul Winward, David E. Goldberg, and Cláudio Lima. *Fluctuating Crosstalk as a Source of Deterministic Noise and its Effects on GA Scalability*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 740–751 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Schmidt et al.(2006)Schmidt, Branke, and Chick] Christian Schmidt, Jürgen Branke, and Stephen E. Chick. *Integrating Techniques from Statistical Ranking into Evolutionary Algorithms*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 752–763 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Sekanina and Vašíček(2006)] Lukáš Sekanina and Zdeněk Vašíček. *On the Practical Limits of the Evolutionary Digital Filter Design at the Gate Level*. In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 344–355 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Shen and Chen(2006)] Shuhan Shen and Weirong Chen. *Probability Evolutionary Algorithm Based Human Body Tracking.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 525–529 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Shin et al.(2006)Shin, Lee, and Zhang] Soo-Yong Shin, In-Hee Lee, and Byoung-Tak Zhang. *Microarray Probe Design using ϵ-Multi-Objective Evolutionary Algorithms with Thermodynamic Criteria.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 184–195 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Stojanovic(2006)] Nikola Stojanovic. *An Algorithm for the Automated Verification of DNA Supercontig Assemblies.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 196–207 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Stout et al.(2006)Stout, Bacardit, Hirst, Krasnogor, and Blazewicz] Michael Stout, Jaume Bacardit, Jonathan D. Hirst, Natalio Krasnogor, and Jacek Blazewicz. *From HP Lattice Models to Real Proteins: coordination number prediction using Learning Classifier Systems.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 208–220 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Terry et al.(2006)Terry, Marcus, Farrell, Aggarwal, and O'Reilly] Michael A. Terry, Jonathan Marcus, Matthew Farrell, Varun Aggarwal, and Una-May O'Reilly. *GRACE: Generative Robust Analog Circuit Exploration.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 332–343 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Tianzhu et al.(2006)Tianzhu, Wenhui, Yi, Zihou, and Dongfeng] Wang Tianzhu, Li Wenhui, Wang Yi, Ge Zihou, and Han Dongfeng. *An Adaptive Stochastic Collision Detection between Deformable Objects using Particle Swarm Optimization.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 450–459 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Tran et al.(2006)Tran, Pham, Satou, and Ho] DangHung Tran, ThoHoan Pham, Kenji Satou, and TuBao Ho. *Conditional Random Fields for Predicting and Analyzing Histone Occupancy, Acetylation and Methylation Areas in DNA Sequences.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT,*

EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC, volume 3907 of *LNCS*, pp. 221–230 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Urbano(2006)] Paulo Urbano. *Consensual paintings.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 622–632 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Wedde et al.(2006)Wedde, Timm, and Farooq] Horst F. Wedde, Constantin Timm, and Muddassar Farooq. *BeeHiveGuard: A Step Towards Secure Nature Inspired Routing Algorithms.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 243–254 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Wetcharaporn et al.(2006a)Wetcharaporn, Chaiyaratana, and Huvanandana] Wannasak Wetcharaporn, Nachol Chaiyaratana, and Sanpachai Huvanandana. *Enhancement of an Automatic Fingerprint Identification System Using a Genetic Algorithm and Genetic Programming.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 368–379 (Springer Verlag, Budapest, 2006a). ISBN 3-540-33237-5.

[Wetcharaporn et al.(2006b)Wetcharaporn, Chaiyaratana, and Tongsima] Wannasak Wetcharaporn, Nachol Chaiyaratana, and Sissades Tongsima. *DNA Fragment Assembly: An Ant Colony System Approach.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 231–242 (Springer Verlag, Budapest, 2006b). ISBN 3-540-33237-5.

[Xie et al.(2006)Xie, Zhang, and Andreae] Huayang Xie, Mengjie Zhang, and Peter Andreae. *Genetic Programming for Automatic Stress Detection in Spoken English.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 460–471 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Yang(2006)] Shengxiang Yang. *Associative Memory Scheme for Genetic Algorithms in Dynamic Environments.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 788–799 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Zhang and Lett(2006)] Mengjie Zhang and Malcolm Lett. *Localisation Fitness in GP for Object Detection.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 472–483 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.

[Zhang et al.(2006)Zhang, Lu, Gou, and Jiao] Xiangrong Zhang, Bin Lu, Shuiping Gou, and Licheng Jiao. *Immune Multiobjective Optimization Algorithm for Unsupervised Feature Selection.* In Franz Rothlauf, Jurgen Branke, Stefano Cagnoni, Ernesto Costa, Carlos Cotta, Rolf Drechsler, Evelyne Lutton, Penousal Machado, Jason H. Moore, Juan Romero, George D. Smith, Giovanni Squillero, and Hideyuki Takagi (eds.) *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, volume 3907 of *LNCS*, pp. 484–494 (Springer Verlag, Budapest, 2006). ISBN 3-540-33237-5.