

Список литературы

- [Affenzeller et al., 2007] Affenzeller, M.; Wagner, S.; and Winkler, S. (2007). "Aspects of adaptation in natural and artificial evolution". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2595–2602, London, United Kingdom. ACM Press.
- [Babb, 2007] Babb, B. J. (2007). "Evolved transforms surpass the FBI wavelet for improved fingerprint compression and reconstruction". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2603–2606, London, United Kingdom. ACM Press.
- [Bai and Lv, 2007] Bai, Z. and Lv, Q. (2007). "A leader-based parallel cross entropy algorithm for MCP". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2401–2406, London, United Kingdom. ACM Press.
- [Bartz-Beielstein and Preuss, 2007] Bartz-Beielstein, T. and Preuss, M. (2007). "Experimental research in evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3001–3020, London, United Kingdom. ACM Press.
- [Becerra and Coello Coello, 2007] Becerra, R. L. and Coello Coello, C. A. (2007). "Epsilon-constraint with an efficient cultured differential evolution". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2787–2794, London, United Kingdom. ACM Press.
- [Bel-Enguix and Jimenez-Lopez, 2007] Bel-Enguix, G. and Jimenez-Lopez, M. D. (2007). "Agent-environment interaction in a multi-agent system: a formal model". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2607–2612, London, United Kingdom. ACM Press.
- [Bhattacharya, 2007] Bhattacharya, M. (2007). "Expensive optimization, uncertain environment: an EA-based solution". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2407–2414, London, United Kingdom. ACM Press.
- [Binard and Felty, 2007] Binard, F. and Felty, A. (2007). "An abstraction-based genetic programming system". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2415–2422, London, United Kingdom. ACM Press.
- [Blackwell and Bratton, 2007] Blackwell, T. and Bratton, D. (2007). "Origin of bursts". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2613–2620, London, United Kingdom. ACM Press.
- [Borenstein, 2007] Borenstein, Y. (2007). "An information perspective on evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3021–3034, London, United Kingdom. ACM Press.
- [Bratton and Blackwell, 2007] Bratton, D. and Blackwell, T. (2007). "Understanding particle swarms through simplification: a study of recombinant PSO". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2621–2628, London, United Kingdom. ACM Press.
- [Brintrup and Takagi, 2007] Brintrup, A. M. and Takagi, H. (2007). "The effect of user interaction mechanisms in multi-objective IGA". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2629–2632, London, United Kingdom. ACM Press.
- [Browne and Ioannides, 2007] Browne, W. N. and Ioannides, C. (2007). "Investigating scaling of an abstracted LCS utilising ternary and s-expression alphabets". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2759–2764, London, United Kingdom. ACM Press.

- [Brownlee et al., 2007] Brownlee, A. E. I.; McCall, J. A. W.; and Brown, D. F. (2007). "Solving the MAXSAT problem using a multivariate EDA based on Markov networks". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2423–2428, London, United Kingdom. ACM Press.
- [Bull, 2007] Bull, L. (2007). "On lookahead and latent learning in simple LCS". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2633–2636, London, United Kingdom. ACM Press.
- [Butz, 2007] Butz, M. V. (2007). "Learning classifier systems". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3035–3056, London, United Kingdom. ACM Press.
- [Byrne, 2007] Byrne, E. L. (2007). "Optimising the flow of experiments to a robot scientist with multi-objective evolutionary algorithms". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2429–2436, London, United Kingdom. ACM Press.
- [Campbell and Wu, 2007] Campbell, A. M. and Wu, A. S. (2007). "Learning and exploiting knowledge in multi-agent task allocation problems". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2637–2642, London, United Kingdom. ACM Press.
- [Cetinkaya, 2007] Cetinkaya, A. (2007). "Regular expression generation through grammatical evolution". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2643–2646, London, United Kingdom. ACM Press.
- [Coello Coello, 2007] Coello Coello, C. A. (2007). "Constraint-handling techniques used with evolutionary algorithms". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3057–3077, London, United Kingdom. ACM Press.
- [Cook, 2007] Cook, T. E. (2007). "GAUGUIN: generating art using genetic algorithms and user input naturally". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2647–2650, London, United Kingdom. ACM Press.
- [Correa et al., 2007] Correa, E. S.; Freitas, A. A.; and Johnson, C. G. (2007). "Particle swarm and bayesian networks applied to attribute selection for protein functional classification". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2651–2658, London, United Kingdom. ACM Press.
- [Cotta and Merelo-Guervós, 2007] Cotta, C. and Merelo-Guervós, J. J. (2007). "Complex networks and evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3078–3092, London, United Kingdom. ACM Press.
- [de Boer and Hogeweg, 2007] de Boer, F. and Hogeweg, P. (2007). "The role of speciation in spatial coevolutionary function approximation". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2437–2441, London, United Kingdom. ACM Press.
- [de Jong et al., 2007] de Jong, E. D.; Stanley, K. O.; and Wiegand, R. P. (2007). "Introductory tutorial on coevolution". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3133–3157, London, United Kingdom. ACM Press.
- [De Jong, 2007] De Jong, K. (2007). "Evolutionary computation: a unified approach". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3158–3171, London, United Kingdom. ACM Press.
- [Deb, 2007] Deb, K. (2007). "Evolutionary practical optimization". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3093–3132, London, United Kingdom. ACM Press.

- [Di Chio et al., 2007] Di Chio, C.; Moraglio, A.; and Poli, R. (2007). "Geometric particle swarm optimisation on binary and real spaces: from theory to practice". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2659–2666, London, United Kingdom. ACM Press.
- [Diosan and Oltean, 2007a] Diosan, L. and Oltean, M. (2007a). "Observing the swarm behaviour during its evolutionary design". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2667–2674, London, United Kingdom. ACM Press.
- [Diosan and Oltean, 2007b] Diosan, L. S. and Oltean, M. (2007b). "Evolving evolutionary algorithms using evolutionary algorithms". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2442–2449, London, United Kingdom. ACM Press.
- [DiPaola and Gabora, 2007] DiPaola, S. R. and Gabora, L. (2007). "Incorporating characteristics of human creativity into an evolutionary art algorithm". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2450–2456, London, United Kingdom. ACM Press.
- [Drugowitsch and Barry, 2007] Drugowitsch, J. and Barry, A. M. (2007). "A principled foundation for LCS". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2675–2680, London, United Kingdom. ACM Press.
- [Dumas and El Alaoui, 2007] Dumas, L. and El Alaoui, L. (2007). "How genetic algorithms can improve a pacemaker efficiency". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2681–2686, London, United Kingdom. ACM Press.
- [Eiben et al., 2007] Eiben, E. A.; Schoenauer, M.; Laredo, J. L. J.; Castillo, P. A.; Mora, A. M.; and Merelo, J. J. (2007). "Exploring selection mechanisms for an agent-based distributed evolutionary algorithm". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2801–2808, London, United Kingdom. ACM Press.
- [Ekárt, 2007] Ekárt, A. (2007). "Evolution of lace knitting stitch patterns by genetic programming". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2457–2461, London, United Kingdom. ACM Press.
- [Ellabaan, 2007] Ellabaan, M. M. H. (2007). "Activation energy-based simulation for self-assembly of multi-shape tiles". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2462–2467, London, United Kingdom. ACM Press.
- [Ellin and Flockton, 2007] Ellin, D. M. and Flockton, S. J. (2007). "Analysing evolvable cell design for optimisation of routing options". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2687–2694, London, United Kingdom. ACM Press.
- [Farley, 2007] Farley, A. M. (2007). "Choice and development". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2468–2474, London, United Kingdom. ACM Press.
- [Ficici and Bucci, 2007] Ficici, S. G. and Bucci, A. (2007). "Advanced tutorial on coevolution". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3172–3204, London, United Kingdom. ACM Press.
- [Gershoff and Schulenburg, 2007] Gershoff, M. and Schulenburg, S. (2007). "Collective behavior based hierarchical XCS". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2695–2700, London, United Kingdom. ACM Press.
- [Goldbarg et al., 2007] Goldbarg, E. F. G.; Goldbarg, M. C.; and Bagi, L. B. (2007). "Transgenetic algorithm: a new evolutionary perspective for heuristics design". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2701–2708, London, United Kingdom. ACM Press.

- [Goodman, 2007] Goodman, E. D. (2007). "Introduction to genetic algorithms". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3205–3224, London, United Kingdom. ACM Press.
- [Ha et al., 2007] Ha, J.; Eom, J.; Kim, S.; and Zhang, B. T. (2007). "Evolutionary hypernetwork models for aptamer-based cardiovascular disease diagnosis". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2709–2716, London, United Kingdom. ACM Press.
- [Haag et al., 2007] Haag, C. R.; Lamont, G. B.; Williams, P. D.; and Peterson, G. L. (2007). "An artificial immune system-inspired multiobjective evolutionary algorithm with application to the detection of distributed computer network intrusions". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2717–2724, London, United Kingdom. ACM Press.
- [Hadjam et al., 2007] Hadjam, F. Z.; Moraga, C.; and Benmohamed, M. (2007). "Cluster-based evolutionary design of digital circuits using all improved multi-expression programming". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2475–2482, London, United Kingdom. ACM Press.
- [Harrington, 2007] Harrington, K. I. (2007). "Predicting reactions from amino acid sequences in *S. cerevisiae*: an evolutionary computation approach". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2725–2728, London, United Kingdom. ACM Press.
- [Harrison and Worden, 2007] Harrison, G. A. and Worden, E. W. (2007). "Genetically programmed learning classifier system description and results". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2729–2736, London, United Kingdom. ACM Press.
- [Hidalgo et al., 2007] Hidalgo, J. I.; Lanchares, J.; de Vega, F. F.; and Daniel Lombra n. (2007). "Is the island model fault tolerant?". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2737–2744, London, United Kingdom. ACM Press.
- [Hilder and Tyrrell, 2007] Hilder, J. A. and Tyrrell, A. M. (2007). "An evolutionary platform for developing next-generation electronic circuits". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2483–2488, London, United Kingdom. ACM Press.
- [Holden and Freitas, 2007] Holden, N. P. and Freitas, A. A. (2007). "A hybrid PSO/ACO algorithm for classification". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2745–2750, London, United Kingdom. ACM Press.
- [Hosny and Mumford, 2007] Hosny, M. I. and Mumford, C. L. (2007). "Single vehicle pickup and delivery with time windows: made to measure genetic encoding and operators". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2489–2496, London, United Kingdom. ACM Press.
- [Howard et al., 2007] Howard, D. M.; Tyrrell, A. M.; and Cooper, C. (2007). "Evolution of adult male oral tract shapes for close and open vowels". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2751–2758, London, United Kingdom. ACM Press.
- [Iclănzan, 2007] Iclănzan, D. (2007). "Crossover: the divine afflatus in search". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2497–2502, London, United Kingdom. ACM Press.
- [Janikow, 2007] Janikow, C. Z. (2007). "Evolving problem heuristics with on-line ACGP". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2503–2508, London, United Kingdom. ACM Press.

- [Jansen and Neumann, 2007] Jansen, T. and Neumann, F. (2007). "Computational complexity and evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3225–3250, London, United Kingdom. ACM Press.
- [Kanlikilicer et al., 2007] Kanlikilicer, A. E.; Keles, A.; and Uyar, A. S. (2007). "Experimental analysis of binary differential evolution in dynamic environments". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2509–2514, London, United Kingdom. ACM Press.
- [Kayani and Malik, 2007] Kayani, S. A. and Malik, M. A. (2007). "Combining bond-graphs with genetic programming for unified/automated design of mechatronic or multi domain dynamic systems". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2515–2518, London, United Kingdom. ACM Press.
- [Keles, 2007] Keles, A. (2007). "Binary differential evolution for the unit commitment problem". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2765–2768, London, United Kingdom. ACM Press.
- [Khalifa et al., 2007a] Khalifa, Y. M.; Khan, B. K.; and Taha, F. (2007a). "Multi-objective optimization tool for a free structure analog circuits design using genetic algorithms and incorporating parasitics". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2527–2534, London, United Kingdom. ACM Press.
- [Khalifa et al., 2007b] Khalifa, Y. M. A.; Khan, B. K.; Begovic, J.; Wisdom, A.; and Wheeler, A. M. (2007b). "Evolutionary music composer integrating formal grammar". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2519–2526, London, United Kingdom. ACM Press.
- [Khan et al., 2007] Khan, G. M.; Miller, J. F.; and Halliday, D. M. (2007). "A developmental model of neural computation using cartesian genetic programming". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2535–2542, London, United Kingdom. ACM Press.
- [Khor, 2007] Khor, S. (2007). "On solving hierarchical problems with top down control". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2543–2548, London, United Kingdom. ACM Press.
- [Khosla, 2007] Khosla, A. (2007). "Particle swarm optimization for fuzzy models". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3283–3296, London, United Kingdom. ACM Press.
- [Khoury et al., 2007] Khoury, M.; Guerin, F.; and Coghill, G. M. (2007). "Learning dynamic models of compartment systems by combining symbolic regression with fuzzy vector envisionment". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2769–2776, London, United Kingdom. ACM Press.
- [Kordon et al., 2007] Kordon, A. K.; Smits, G. F.; and Kotanchek, M. E. (2007). "Industrial evolutionary computing". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3297–3322, London, United Kingdom. ACM Press.
- [Kovacs and Bull, 2007] Kovacs, T. and Bull, L. (2007). "Toward a better understanding of rule initialisation and deletion". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2777–2780, London, United Kingdom. ACM Press.
- [Kowall and Krent, 2007] Kowall, C. A. and Krent, B. J. (2007). "A simulation of evolved autotrophic reproduction". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2781–2786, London, United Kingdom. ACM Press.
- [Koza, 2007] Koza, J. R. (2007). "Introduction to genetic programming". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3323–3365, London, United Kingdom. ACM Press.

- [Kumar, 2007] Kumar, R. (2007). "Evolutionary multiobjective combinatorial optimization". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3366–3390, London, United Kingdom. ACM Press.
- [Lanzi et al., 2007] Lanzi, P. L.; Rocca, S.; and Solari, S. (2007). "An approach to analyze the evolution of symbolic conditions in learning classifier systems". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2795–2800, London, United Kingdom. ACM Press.
- [Le Martelot et al., 2007] Le Martelot, E.; Bentley, P. J.; and Lotto, R. B. (2007). "A systemic computation platform for the modelling and analysis of processes with natural characteristics". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2809–2816, London, United Kingdom. ACM Press.
- [Li and Engelbrecht, 2007] Li, X. and Engelbrecht, A. P. (2007). "Particle swarm optimization: an introduction and its recent developments". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3391–3414, London, United Kingdom. ACM Press.
- [Lung and Dumitrescu, 2007] Lung, R. I. and Dumitrescu, D. (2007). "A new collaborative evolutionary-swarm optimization technique". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2817–2820, London, United Kingdom. ACM Press.
- [Machwe and Parmee, 2007] Machwe, A. T. and Parmee, I. C. (2007). "Supporting free-form design using a component based representation: an overview". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2821–2824, London, United Kingdom. ACM Press.
- [Malkin and Lotto, 2007] Malkin, D. and Lotto, R. B. (2007). "Evolutionary benefits of evolvable component integration". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2825–2830, London, United Kingdom. ACM Press.
- [Manos et al., 2007] Manos, S.; Large, M. C. J.; and Poladian, L. (2007). "Evolutionary design of single-mode microstructured polymer optical fibres using an artificial embryogeny representation". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2549–2556, London, United Kingdom. ACM Press.
- [Marshall et al., 2007] Marshall, J. A. R.; Brown, G.; and Kovacs, T. (2007). "Bayesian estimation of rule accuracy in UCS". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2831–2834, London, United Kingdom. ACM Press.
- [Martí et al., 2007] Martí, L.; García, J.; Berlanga, A.; and Molina, J. M. (2007). "A cumulative evidential stopping criterion for multiobjective optimization evolutionary algorithms". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2835–2842, London, United Kingdom. ACM Press.
- [Mendiburu et al., 2007] Mendiburu, A.; Santana, R.; Lozano, J. A.; and Bengoetxea, E. (2007). "A parallel framework for loopy belief propagation". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2843–2850, London, United Kingdom. ACM Press.
- [Merelo et al., 2007] Merelo, J. J.; García, A. M.; Laredo, J. L. J.; Lupión, J.; and Tricas, F. (2007). "Browser-based distributed evolutionary computation: performance and scaling behavior". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2851–2858, London, United Kingdom. ACM Press.
- [Merelo and Laredo, 2007] Merelo, J. J. and Laredo, J. L. J. (2007). "Distributed evolutionary computation for fun and profit". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3251–3266, London, United Kingdom. ACM Press.

- [Miikkulainen, 2007] Miikkulainen, R. (2007). "Evolving neural networks". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3415–3434, London, United Kingdom. ACM Press.
- [Moore, 2007] Moore, J. H. (2007). "Bioinformatics". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3435–3457, London, United Kingdom. ACM Press.
- [Mora et al., 2007] Mora, A. M.; Merelo, J. J.; Jiménez, J. L.; Castillo, P. A.; Millán, C.; and Torrecillas, J. (2007). "Balancing safety and speed in the military path finding problem: analysis of different ACO algorithms". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2859–2864, London, United Kingdom. ACM Press.
- [Moshaiov and Avigad, 2007] Moshaiov, A. and Avigad, G. (2007). "Concept-based multi-objective problems and their solution by EC". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2865–2868, London, United Kingdom. ACM Press.
- [Muntean, 2007] Muntean, O. (2007). "Genetically designed heuristics for the bin packing problem". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2869–2870, London, United Kingdom. ACM Press.
- [Olague, 2007] Olague, G. (2007). "Evolutionary computer vision". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3458–3507, London, United Kingdom. ACM Press.
- [Orriols-Puig et al., 2007a] Orriols-Puig, A.; Bernadó-Mansilla, E.; Sastry, K.; and Goldberg, D. E. (2007a). "Substructural surrogates for learning decomposable classification problems: implementation and first results". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2875–2882, London, United Kingdom. ACM Press.
- [Orriols-Puig et al., 2007b] Orriols-Puig, A.; Casillas, J.; and Bernadó-Mansilla, E. (2007b). "Fuzzy-UCS: preliminary results". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2871–2874, London, United Kingdom. ACM Press.
- [Pallez et al., 2007] Pallez, D.; Collard, P.; Baccino, T.; and Dumercy, L. (2007). "Eye-tracking evolutionary algorithm to minimize user fatigue in IEC applied to interactive one-max problem". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2883–2886, London, United Kingdom. ACM Press.
- [Pang and Coghill, 2007] Pang, W. and Coghill, G. M. (2007). "Modified clonal selection algorithm for learning qualitative compartmental models of metabolic systems". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2887–2894, London, United Kingdom. ACM Press.
- [Parmee, 2007] Parmee, I. C. (2007). "Evolutionary design search, exploration and optimisation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3508–3536, London, United Kingdom. ACM Press.
- [Patton and Potok, 2007] Patton, R. M. and Potok, T. E. (2007). "Discovering event evidence amid massive, dynamic datasets". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2895–2900, London, United Kingdom. ACM Press.
- [Payne and Eppstein, 2007] Payne, J. L. and Eppstein, M. J. (2007). "Using pair approximations to predict takeover dynamics in spatially structured populations". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2557–2564, London, United Kingdom. ACM Press.
- [Pelikan, 2007] Pelikan, M. (2007). "Probabilistic model-building genetic algorithms". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3537–3562, London, United Kingdom. ACM Press.

- [Peterson et al., 2007] Peterson, M. R.; Lamont, G. B.; Moore, F.; and Marshall, P. (2007). "A satellite image set for the evolution of image transforms for defense applications". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2901–2906, London, United Kingdom. ACM Press.
- [Pita and Neto, 2007] Pita, M. S. and Neto, F. B. L. (2007). "Simulations of egoistic and altruistic behaviors using the vidya multiagent system platform". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2927–2932, London, United Kingdom. ACM Press.
- [Poli, 2007] Poli, R. (2007). "On the moments of the sampling distribution of particle swarm optimisers". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2907–2914, London, United Kingdom. ACM Press.
- [Poli and Langdon, 2007] Poli, R. and Langdon, W. B. (2007). "Genetic programming theory". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3563–3584, London, United Kingdom. ACM Press.
- [Reis and Vega, 2007] Reis, G. and Vega, F. (2007). "A novel approach to automatic music transcription using electronic synthesis and genetic algorithms". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2915–2922, London, United Kingdom. ACM Press.
- [Ricalde and Vázquez, 2007] Ricalde, E. and Vázquez, K. R. (2007). "A GP neutral function for the artificial ANT problem". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2565–2571, London, United Kingdom. ACM Press.
- [Richard et al., 2007] Richard, N.; Tardieu, S.; and Yamada, S. (2007). "Cascaded generic XCS to learn about reminding preferences". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2923–2926, London, United Kingdom. ACM Press.
- [Rowe, 2007] Rowe, J. E. (2007). "Genetic algorithm theory". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3585–3608, London, United Kingdom. ACM Press.
- [Ryan, 2007] Ryan, C. M. (2007). "Grammatical evolution". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3609–3626, London, United Kingdom. ACM Press.
- [Sekanina, 2007] Sekanina, L. (2007). "Evolvable hardware". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3627–3644, London, United Kingdom. ACM Press.
- [Shackelford, 2007] Shackelford, M. R. N. (2007). "Implementation issues for an interactive evolutionary computation system". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2933–2936, London, United Kingdom. ACM Press.
- [Shayani and Bentley, 2007] Shayani, H. and Bentley, P. J. (2007). "A more bio-plausible approach to the evolutionary inference of finite state machines". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2937–2944, London, United Kingdom. ACM Press.
- [Shmygelska, 2007] Shmygelska, A. (2007). "An extremal optimization search method for the protein folding problem: the go-model example". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2572–2579, London, United Kingdom. ACM Press.
- [Smith and Jiang, 2007] Smith, R. E. and Jiang, M. K. (2007). "MILCS: a mutual information learning classifier system". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2945–2952, London, United Kingdom. ACM Press.

- [Spector, 2007] Spector, L. (2007). "Quantum computing". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3645–3674, London, United Kingdom. ACM Press.
- [Tomassini, 2007] Tomassini, M. (2007). "Evolutionary games: the Darwin connection". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3675–3689, London, United Kingdom. ACM Press.
- [Valdes and Barton, 2007] Valdes, J. J. and Barton, A. J. (2007). "Computational intelligence techniques: a study of scleroderma skin disease". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2580–2587, London, United Kingdom. ACM Press.
- [Valdes et al., 2007] Valdes, J. J.; Orchard, R.; and Barton, A. J. (2007). "Exploring medical data using visual spaces with genetic programming and implicit functional mappings". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2953–2960, London, United Kingdom. ACM Press.
- [Vanneschi and Verel, 2007] Vanneschi, L. and Verel, S. (2007). "Fitness landscapes and problem hardness in evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3690–3733, London, United Kingdom. ACM Press.
- [Vose and Whitley, 2007] Vose, M. D. and Whitley, L. D. (2007). "No free lunch". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3734–3764, London, United Kingdom. ACM Press.
- [Wineberg and Christensen, 2007] Wineberg, M. and Christensen, S. (2007). "An introduction to statistical analysis for evolutionary computation". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3765–3791, London, United Kingdom. ACM Press.
- [Wolk, 2007] Wolk, M. H. (2007). "GAINS: genetic algorithms for increasing net sales of a mobile reverse demand communication system". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2961–2964, London, United Kingdom. ACM Press.
- [Wong and Schulenburg, 2007] Wong, S. Y. B. and Schulenburg, S. (2007). "Portfolio allocation using XCS experts in technical analysis, market conditions and options market". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2965–2972, London, United Kingdom. ACM Press.
- [Yin et al., 2007] Yin, Z.; Brabazon, A.; and O'Sullivan, C. (2007). "Adaptive genetic programming for option pricing". In Bosman, P. A. N., editor, *Late breaking paper at Genetic and Evolutionary Computation Conference (GECCO'2007)*, pages 2588–2594, London, United Kingdom. ACM Press.
- [Yu, 2007] Yu, T. (2007). "Program evolvability under environmental variations and neutrality". In Yu, T., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) workshop program*, pages 2973–2978, London, United Kingdom. ACM Press.
- [Zitzler and Deb, 2007] Zitzler, E. and Deb, K. (2007). "Evolutionary multiobjective optimization". In Ekart, A., editor, *Genetic and Evolutionary Computation Conference (GECCO2007) tutorial presentations*, pages 3792–3809, London, United Kingdom. ACM Press.