Список литературы

[Abbott, 2005] Abbott, R. (2005). Challenges for biologically-inspired computing. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 12–22, Washington, D.C., USA. ACM Press.

[Baronti *et al.*, 2005] Baronti, F., Passaro, A., and Starita, A. (2005). Post-processing clustering to reduce XCS variability. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 79–81, Washington, D.C., USA. ACM Press.

[Becerra and Coello Coello, 2005] Becerra, R. L. and Coello Coello, C. A. (2005). Use of Domain Information to Improve the Performance of an Evolutionary Algorithm. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 362–365, Washington, D.C., USA. ACM Press.

[Berntsson, 2005] Berntsson, J. (2005). G2DGA: An Adaptive Framework for Internet-based Distributed Genetic Algorithms. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 346–349, Washington, D.C., USA. ACM Press.

[Bidlo, 2005] Bidlo, M. (2005). A Benchmark for the Sorting Network Problem. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 289–291, Washington, D.C., USA. ACM Press.

[Bidlo and Sekanina, 2005] Bidlo, M. and Sekanina, L. (2005). Providing Information from the Environment for Growing Electronic Circuits Through Polymorphic Gates. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 242–248, Washington, D.C., USA. ACM Press.

[Booker, 2005] Booker, L. B. (2005). Adaptive Value Function Approximations in Classifier Systems. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint,

M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 90–91, Washington, D.C., USA. ACM Press.

[Bosman, 2005] Bosman, P. A. N. (2005). Learning, Anticipation and Time-Deception in Evolutionary Online Dynamic Optimization. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 39–47, Washington, D.C., USA. ACM Press.

[Boumaza, 2005] Boumaza, A. (2005). Learning Environment Dynamics From Self-Adaptation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 48–54, Washington, D.C., USA. ACM Press.

[Bourgeois-Republique *et al.*, 2005] Bourgeois-Republique, C., Frachet, B., and Collet, P. (2005). Using an Interactive Evolutionary Algorithm to Help Fitting a Cochlear Implant. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 133–139, Washington, D.C., USA. ACM Press.

[Burjorjee and Pollack, 2005] Burjorjee, K. and Pollack, J. (2005). Theme Preservation and the Evolution of Representation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 310–320, Washington, D.C., USA. ACM Press.

[Clune *et al.*, 2005] Clune, J., Goings, S., Punch, B., and Goodman, E. (2005). Investigations in Meta-GAs: Panaceas or Pipe Dreams? In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 235–241, Washington, D.C., USA. ACM Press.

[Dam *et al.*, 2005] Dam, H. H., Abbass, H. A., and Lokan, C. (2005). Be Real! XCS with Continuous-Valued Inputs. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 85–87, Washington, D.C., USA. ACM Press.

[Day *et al.*, 2005] Day, R. O., Nunez, A. S., and Lamont, G. B. (2005). MOEA Design of Robust Digital Symbol Sets. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F.,

Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 167–169, Washington, D.C., USA. ACM Press.

[de Jong *et al.*, 2005] de Jong, E. D., Watson, R. A., and Thierens, D. (2005). A Generator for Hierarchical Problems. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 321–326, Washington, D.C., USA. ACM Press.

[Dempsey, 2005] Dempsey, I. (2005). Constant Generation for the Financial Domain using Grammatical Evolution. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 350–353, Washington, D.C., USA. ACM Press.

[Esterline *et al.*, 2005] Esterline, A., BouSaba, C., Homaifar, A., and Rodgers, D. (2005). A Framework for Learning Coordinated Behavior. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 121–124, Washington, D.C., USA. ACM Press.

[Foong *et al.*, 2005] Foong, W. K., Maier, H. R., and Simpson, A. R. (2005). Ant Colont Optimization for Power Plant Maintenance Scheduling Optimization. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 354–357, Washington, D.C., USA. ACM Press.

[Gallini *et al.*, 2005] Gallini, A., Ferretti, C., and Mauri, G. (2005). Bio Molecular Engine: A bio-inspired environment for models of growing and evolvable computation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 249–256, Washington, D.C., USA. ACM Press.

[Gao *et al.*, 2005] Gao, Y., Huang, J. Z., Rong, H., and Gu, D. (2005). Learning Classifier System Ensemble for Data Mining. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 63–66, Washington, D.C., USA. ACM Press.

[GARIBAY *et al.*, 2005] GARIBAY, I., WU, A. S., and GARIBAY, O. (2005). On location independent representations and self-organization. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 292–292, Washington, D.C., USA. ACM Press.

[GU and GAO, 2005] GU, D. and GAO, Y. (2005). Incremental Gradient Descent Imputation Method For Missing Data In Learning Classifier Systems. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 72–73, Washington, D.C., USA. ACM Press.

[HAMZEH and RAHMANI, 2005] HAMZEH, A. and RAHMANI, A. (2005). Intelligent Exploration Method for XCS. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 100–102, Washington, D.C., USA. ACM Press.

[HAYES and GEDEON, 2005] HAYES, C. S. M. and GEDEON, T. (2005). Hyperbolic Fixed Points are Typical in the Space of Mixing Operators for the Infinite Population Genetic Algorithm. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 358–361, Washington, D.C., USA. ACM Press.

[HOLMES, 2005] HOLMES, J. H. (2005). Detection of Sentinel Predictor-Class Associations With XCS:A Sensitivity Analysis. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 67–71, Washington, D.C., USA. ACM Press.

[HUSSAIN *et al.*, 2005] HUSSAIN, T. S., CERYS, D., MONTANA, D., VIDAVER, G., and BERLINER, J. E. (2005). Tactical UGV Navigation and Logistics Planning. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 184–186, Washington, D.C., USA. ACM Press.

[INOUE *et al.*, 2005] INOUE, H., TAKADAMA, K., and SHIMOHARA, K. (2005). Exploring XCS in Multiagent Environments. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA,

K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 109–111, Washington, D.C., USA. ACM Press.

[JANIKOW, 2005] JANIKOW, C. Z. (2005). Adaptable Representation in GP. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 327–331, Washington, D.C., USA. ACM Press.

[KAHRAMAN and SEVEN, 2005] KAHRAMAN, A. and SEVEN, H. A. (2005). Healthy Daily Meal Planner. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 390–393, Washington, D.C., USA. ACM Press.

[KARPUZCU, 2005] KARPUZCU, U. R. (2005). Automatic Verilog Code Generation through Grammatical Evolution. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 394–397, Washington, D.C., USA. ACM Press.

[KHEMKA *et al.*, 2005] KHEMKA, N., JACOB, C., and COLE, G. (2005). Making Soccer Kicks Better: A Study in Particle Swarm Optimization. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 382–385, Washington, D.C., USA. ACM Press.

[KLEEMAN and LAMONT, 2005] KLEEMAN, M. P. and LAMONT, G. B. (2005). Solving the Aircraft Engine Maintenance Scheduling Problem using a Multi-objective Evolutionary Algorithm. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 196–198, Washington, D.C., USA. ACM Press.

[KOWALL, 2005] KOWALL, C. A. (2005). Braitenberg Simulations as Vehicles of Evolution. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 398–401, Washington, D.C., USA. ACM Press.

[KRIPLEAN, 2005] KRIPLEAN, T. L. (2005). Evolving an Ecology of Two-Tiered Organizations. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P.,

Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 402–406, Washington, D.C., USA. ACM Press.

[Kumar, 2005] Kumar, S. (2005). A Developmental Genetics-Inspired Approach to Robot Control. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 304–309, Washington, D.C., USA. ACM Press.

[Lapointe, 2005] Lapointe, F.-J. (2005). Choreogenetics: the Generation of Choreographic Variants Through Genetic Mutations and Selection. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 366–369, Washington, D.C., USA. ACM Press.

[LaRoche and Zincir-Heywood, 2005] LaRoche, P. and Zincir-Heywood, A. N. (2005). 802.11 Network Intrusion Detection using Genetic Programming. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 170–171, Washington, D.C., USA. ACM Press.

[Lehmann, 2005] Lehmann, K. A. (2005). Why simulating evolutionary processes is just as interesting as applying them. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 370–373, Washington, D.C., USA. ACM Press.

[Lewis and Lawson, 2005] Lewis, J. and Lawson, J. (2005). Behaviorally Coupled Emergent Representation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 302–303, Washington, D.C., USA. ACM Press.

[Lim et al., 2005] Lim, D., Ong, Y.-S., and Lee, B.-S. (2005). Inverse Multi-Objective Robust Evolutionary Design Optimization in the Presence of Uncertainty. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 55–62, Washington, D.C., USA. ACM Press.

[Llorà et al., 2005] Llorà, X., Sastry, K., and Goldberg, D. E. (2005). Binary Rule Encoding Schemes: A Study Using The Compact Classifier System. In Rothlauf, F., Blowers, M.,

Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 88–89, Washington, D.C., USA. ACM Press.

[Lobo and Lima, 2005] Lobo, F. G. and Lima, C. F. (2005). A Review of Adaptive Population Sizing Schemes in Genetic Algorithm. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 228–234, Washington, D.C., USA. ACM Press.

[Loiacono and Lanzi, 2005] Loiacono, D. and Lanzi, P. L. (2005). Improving Generalization in the XCSF Classifier System Using Linear Least-Squares. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 374–377, Washington, D.C., USA. ACM Press.

[Lones and Tyrrell, 2005] Lones, M. A. and Tyrrell, A. M. (2005). The evolutionary computation approach to motif discovery in biological sequences. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 1–11, Washington, D.C., USA. ACM Press.

[Majeed, 2005] Majeed, H. (2005). A New Approach to Evaluate GP Schema in Context. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 378–381, Washington, D.C., USA. ACM Press.

[Mañana et al., 2005] Mañana, G., González, F., and Romero, E. (2005). Distributed Genetic Algorithm for Subtraction Radiography. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 140–146, Washington, D.C., USA. ACM Press.

[McDonnell and Rice, 2005] McDonnell, J. and Rice, A. (2005). Rapid Asset Allocation for Dynamic TACAIR Decision Support. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 187–189, Washington, D.C., USA. ACM Press.

[McMahon *et al.*, 2005] McMahon, A., Scott, D., and Browne, W. N. (2005). An Autonomous Explore/Exploit Strategy. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 103–108, Washington, D.C., USA. ACM Press.

[Mellor, 2005] Mellor, D. (2005). Policy Transfer with a Relational Learning Classifier System. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 82–84, Washington, D.C., USA. ACM Press.

[Mierswa and Morik, 2005] Mierswa, I. and Morik, K. (2005). Method Trees: Building Blocks for Self-Organizable Representations of Value Series. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 293–300, Washington, D.C., USA. ACM Press.

[Moore and Marshall, 2005] Moore, F. and Marshall, P. (2005). Evolving Next Generation Signal Compression and Reconstruction Transforms via Genetic Algorithms. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 190–192, Washington, D.C., USA. ACM Press.

[Moraglio and Poli, 2005] Moraglio, A. and Poli, R. (2005). Topological Crossover for the Permutation Representation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 332–338, Washington, D.C., USA. ACM Press.

[Mühlenbein and Höns, 2005] Mühlenbein, H. and Höns, R. (2005). Approximate Factorizations of Distributions and the Mimimum Relative Entropy Principle. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 199–211, Washington, D.C., USA. ACM Press.

[Oh and Blowers, 2005] Oh, J. C. and Blowers, M. (2005). Text-independent Open-set Speaker Identification for Military Missions Using Genetic Rule-based System. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H.,

editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 172–174, Washington, D.C., USA. ACM Press.

[ORRIOLS and BERNADÓ-MANSILLA, 2005] ORRIOLS, A. and BERNADÓ-MANSILLA, E. (2005). The Class Imbalance Problem in Learning Classifier Systems:A Preliminary Study. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 74–78, Washington, D.C., USA. ACM Press.

[OTTER, 2005] OTTER, T. (2005). Genotype, Phenotype and Ontogeny. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 301–301, Washington, D.C., USA. ACM Press.

[PASSARO *et al.*, 2005] PASSARO, A., BARONTI, F., and MAGGINI, V. (2005). Exploring Relationships between Genotype and Oral Cancer Development through XCS. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 147–151, Washington, D.C., USA. ACM Press.

[PETROVSKI and MCCALL, 2005] PETROVSKI, A. and MCCALL, J. (2005). Smart Problem Solving Environment for Medical Decision Support. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 152–158, Washington, D.C., USA. ACM Press.

[PISZCZ and SOULE, 2005] PISZCZ, A. and SOULE, T. (2005). Genetic Programming: Parametric Analysis of Structure Altering Mutation Techniques. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 220–227, Washington, D.C., USA. ACM Press.

[RAND and RIOLO, 2005] RAND, W. and RIOLO, R. (2005). Measurements for Understanding the Behavior of the Genetic Algorithm in Dynamic Environments: A Case Study using the Shaky Ladder Hyperplane-Defined Functions. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 32–38, Washington, D.C., USA. ACM Press.

[REISINGER *et al.*, 2005] REISINGER, J., STANLEY, K., and MIIKKULAINEN, R. (2005). Towards an Empirical Measure of Evolvability. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI,

S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 257–264, Washington, D.C., USA. ACM Press.

[Ridder, 2005] Ridder, J. P. (2005). Evolutionary Computation Methods for Synchronization of Effects Based Operations. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 175–177, Washington, D.C., USA. ACM Press.

[Rieffel and Pollack, 2005] Rieffel, J. and Pollack, J. (2005). Evolutionary Fabrication: The Emergence of Novel Assembly Methods in Artificial Ontogenies. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 265–272, Washington, D.C., USA. ACM Press.

[Samples et al., 2005] Samples, M. E., Daida, J. M., Byom, M., and Pizzimenti, M. (2005). Parameter Sweeps For Exploring GP Parameters. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 212–219, Washington, D.C., USA. ACM Press.

[Shapiro et al., 2005] Shapiro, J. M., Lamont, G. B., and Peterson, G. L. (2005). An Evolutionary Algorithm to Generate Ellipsoid Network Intrusion Detectors. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 178–180, Washington, D.C., USA. ACM Press.

[Siccama and Keijzer, 2005] Siccama, I. and Keijzer, M. (2005). Genetic Programming as a Method to Develop Powerful Predictive Models for Clinical Diagnosis. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 164–166, Washington, D.C., USA. ACM Press.

[Skolicki, 2005] Skolicki, Z. (2005). An Analysis of Island Models in Evolutionary Computation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 386–389, Washington, D.C., USA. ACM Press.

[SMITH and CONGDON, 2005] SMITH, N. W. and CONGDON, C. B. (2005). RCS: A Learning Classifier Systems for Evolutionary Robotics. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 119–120, Washington, D.C., USA. ACM Press.

[SOOD *et al.*, 2005] SOOD, N. P., WILLIAMS, A. G., and DE JONG, K. A. (2005). Evaluating The XCS Learning Classifier System In Competitive Simultaneous Learning Environments. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 112–118, Washington, D.C., USA. ACM Press.

[STEPHENS *et al.*, 2005] STEPHENS, C. R., WAELBROECK, H., and TALLEY, S. L. (2005). Predicting Healthcare Costs using GAs. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 159–163, Washington, D.C., USA. ACM Press.

[SUAREZ PINZON *et al.*, 2005] SUAREZ PINZON, D. E., OLARTE RAMOS, J. Y., and ROJAS GALEANO, S. A. (2005). Evolving Object Oriented Agent Programs in Robocup Domain. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 407–410, Washington, D.C., USA. ACM Press.

[THIE *et al.*, 2005] THIE, C. J., CHITTY, D. M., and REED, C. M. (2005). Using Evolutionary Algorithms and Dynamic Programming to solve Uncertain Multi-Criteria Optimisation Problems with application to Lifetime Management for military Platforms. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 181–183, Washington, D.C., USA. ACM Press.

[TOUSSAINT, 2005] TOUSSAINT, M. (2005). Factorial Representations to Generate Arbitrary Search Distributions. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE, J. H., O'NEILL, M., PELIKAN, M., RIOPKA, T. P., RITCHIE, M. D., SASTRY, K., SMITH, S. L., STRINGER, H., TAKADAMA, K., TOUSSAINT, M., UPTON, S. C., and WRIGHT, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 339–345, Washington, D.C., USA. ACM Press.

[VISHAKH *et al.*, 2005] VISHAKH, URREA, N. J., NAKANO, T., and SUDA, T. (2005). A Resource-Allocation Mechanism for Multiagent Networks. In ROTHLAUF, F., BLOWERS, M., BRANKE, J., CAGNONI, S., GARIBAY, I. I., GARIBAY, O., GRAHL, J., HORNBY, G., DE JONG, E. D., KOVACS, T., KUMAR, S., LIMA, C. F., LLORÀ, X., LOBO, F., MERKLE, L. D., MILLER, J., MOORE,

J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 411–414, Washington, D.C., USA. ACM Press.

[Viswanathan and Pollack, 2005] Viswanathan, S. and Pollack, J. (2005). How Artificial Ontogenies can retard evolution. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 273–280, Washington, D.C., USA. ACM Press.

[Wada *et al.*, 2005a] Wada, A., Takadama, K., and Shimohara, K. (2005a). Counter Example for Q-Bucket-Brigade under Prediction Problem. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 94–99, Washington, D.C., USA. ACM Press.

[Wada *et al.*, 2005b] Wada, A., Takadama, K., and Shimohara, K. (2005b). Learning Classifier System Equivalent with Reinforcement Learning with Function Approximation. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 92–93, Washington, D.C., USA. ACM Press.

[Wiles *et al.*, 2005] Wiles, J., Geard, N., Watson, J., Willadsen, K., Mattick, J., Bradley, D., and Hallinan, J. (2005). There's more to a model than code: understanding and formalizing in silico modeling experience. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 281–288, Washington, D.C., USA. ACM Press.

[Yang and Branke, 2005] Yang, S. and Branke, J. (2005). Evolutionary Algorithms for Dynamic Optimization Problems: Workshop Preface. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 23–24, Washington, D.C., USA. ACM Press.

[Younes *et al.*, 2005] Younes, A., Calamai, P., and Basir, O. (2005). Generalized Benchmark Generation for Dynamic Combinatorial Problems. In Rothlauf, F., Blowers, M., Branke, J., Cagnoni, S., Garibay, I. I., Garibay, O., Grahl, J., Hornby, G., de Jong, E. D., Kovacs, T., Kumar, S., Lima, C. F., Llorà, X., Lobo, F., Merkle, L. D., Miller, J., Moore, J. H., O'Neill, M., Pelikan, M., Riopka, T. P., Ritchie, M. D., Sastry, K., Smith, S. L., Stringer, H., Takadama, K., Toussaint, M., Upton, S. C., and Wright, A. H., editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 25–31, Washington, D.C., USA. ACM Press.