

Curriculum Vitae

Name: Tadahiko Murata

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Education (in Chronological Order)

March, 1994	Bachelor of Engineering	Department of Industrial Engineering, Faculty of Engineering, Osaka Prefecture University
March, 1996	Master of Engineering	Field of Industrial Engineering, Division of Engineering, Graduate School of Osaka Prefecture University
March, 1997 Two Years Skipped	Doctor of Engineering	Electrical Engineering and Information Science, Division of Engineering, Graduate School of Osaka Prefecture University Theme: "Genetic Algorithms for Multi-Objective Optimization" 147 pages.

Awards

1997	Best Presentation Award Institute of Systems, Control and Information Engineers, Japan	Paper Theme: Flowshop Scheduling with Interval Processing Time
2006	Most Active Technical Committee Award IEEE Systems, Man, and Cybernetics	As the Chair of Technical Committee of Soft Computing, IEEE SMC Society
2009	Best Presentation Award at International Workshop on Aware Computing (Aizu, Japan, September 17-18, 2009)	Paper Theme: Examination of Regional Polling Parameters in Voting Simulation

Work Experience (in Chronological Order)

Apr, 1997 - Mar, 1998	Research Associate at Department of Industrial Systems Engineering, Faculty of Engineering, Ashikaga Institute of Technology, Japan
Mar, 1998 - Sep, 2001	Assistant Professor at Department of Industrial and Information Systems Engineering, Faculty of Engineering, Ashikaga Institute of Technology, Japan
Sep, 2001 - Mar, 2009	Associate Professor at Faculty of Informatics, Department of Informatics, Kansai University, Japan
Apr, 2002 - Mar, 2009	Associate Professor at The Master Course, School of Informatics, Informatics Major, Kansai University Graduate School, Japan
Apr, 2005 - Jul, 2008	Research Director at Policy Grid Computing Laboratory, Institute of Economic and Political Studies, Kansai University, Japan
Jul, 2008 - Mar, 2010	Research Director at Policy Grid Computing Laboratory, The Research Institute for Socionetwork Strategies, Kansai University, Japan
Jul, 2008 - Present	Senior Researcher at Policy Infrastructure Unit, The Research Institute for Socionetwork Strategies, Kansai University, Japan
Apr, 2009 - Present	Professor at Faculty of Informatics, Department of Informatics, Kansai University, Japan AND The Master Course, School of Informatics, Informatics Major, Kansai University Graduate School, Japan
Apr, 2012 - Present	Professor at The Doctoral Course, School of Informatics, Informatics Major, Kansai University Graduate School, Japan

Review Experience (International Journals)

IEEE Transaction on Systems, Man, and Cybernetics Part B
 IEEE Transaction on Systems, Man, and Cybernetics Part C
 IEEE Transaction on Evolutionary Computation
 IEEE Transaction on Fuzzy Systems
 IEEE Transaction on Neural Networks
 Fuzzy Sets and Systems
 New Generation Computing
 The Review of Socionetwork Strategies

Review Experience (Domestic Journals, Japan)

Journal of Japan Society for Fuzzy Theory and Systems
 IPSJ Transactions on Mathematical Modeling and Its Applications (IPSI: Information Processing Society of Japan)
 Transactions of The Institute of Systems, Control and Information Engineers
 Transactions of The Institute of Electronics, Information and Communication Engineers A
 IEEJ Transactions on Electronics, Information and Systems (IEEJ: Institute of Electrical Engineers of Japan)
 Transactions of The Japanese Society for Artificial Intelligence

Appointments in Academic Societies (International)

Required Period	Program Committee Member of	Genetic and Evolutionary Computation Conference (GECCO 2000, Las Vegas, U.S.A., July 8-12, 2000)
Required Period	Program Committee Member of	Third Asia-Pacific Conference on Simulated Evolution and Learning (SEAL 2000 joined with IECON 2000, Nagoya, Japan, Oct. 25-27, 2000)
Required Period	Program Committee Member of	First International Conference on Evolutionary Multi-Criterion Optimization (EMO'01, Zurich, Switzerland, March 7-9, 2001)
Required Period	Program Committee Member of	Genetic and Evolutionary Computation Conference (GECCO 2001, San Francisco, U.S.A., July 7-11, 2001)
Required Period	Program Committee Member of	Genetic and Evolutionary Computation Conference (GECCO 2002, New York, U.S.A., July 9-13, 2002)
Required Period	Program Committee Member of	First International Symposium on Cyber World (CW 2002, Tokyo, Japan, November 6-8, 2002)
Required Period	Reviewer Member of	6th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2002, Orlando, U.S.A., July 14-18, 2002)
Required Period	Invited Track Organizer of	2002 IEEE International Conference on Systems, Man and Cybernetics (SMC 2002, Hammamet, Tunisia, October 6-9, 2002)
Required Period	Program Committee Member of	2nd International Conference on Evolutionary Multi-Criterion Optimization (EMO'03, Faro, Portugal, April 8-11, 2003)
Required Period	Program Committee Member of	Genetic and Evolutionary Computation Conference (GECCO 2003, Chicago, Illinois, U.S.A., July 12-16, 2003)
Required Period	Invited Track Organizer of	2003 IEEE International Conference on Systems, Man and Cybernetics (SMC 2003, Washington, D.C., USA, October 5-8, 2003)
Required Period	Invited Track Organizer of	2004 IEEE International Conference on Systems, Man and Cybernetics (SMC 2004, The Hague, The Netherlands, October 10-13, 2004)
Required Period	Member of	Award Committee, 2004 IEEE International Conference on Systems, Man and Cybernetics (SMC 2004, The Hague, The Netherlands, October 10-13, 2004)
Required Period	Program Committee Member of	3rd International Conference on Evolutionary Multi-Criterion Optimization (EMO'05, Mexico, March 11-15, 2005)
Required Period	Program Committee Member of	Genetic and Evolutionary Computation Conference (GECCO 2005, Washington D.C., U.S.A., June 25-29, 2005)
Required Period	Invited Track Organizer of	2005 IEEE International Conference on Systems, Man and Cybernetics (SMC 2005, Hawaii, USA, October 10-12, 2005)
Required Period	Invited Track Organizer of	2006 IEEE International Conference on Systems, Man and Cybernetics (SMC 2006, Taipei, Taiwan, October 8-11, 2006)
Required Period	Program Chair of	4th International Conference on Evolutionary Multi-Criterion Optimization (EMO'07, Matsushima, Japan, March 5-8, 2007)
Required Period	Invited Track Organizer of	2007 IEEE International Conference on Systems, Man and Cybernetics (SMC 2007, Montreal, Canada, October 7-10, 2007)
Required Period	Invited Track Organizer of	2008 IEEE International Conference on Systems, Man and Cybernetics (SMC 2008, Singapore,

		October 12-15, 2008)
Required Period	Program Committee Member of	5th International Conference on Evolutionary Multi-Criterion Optimization (EMO'09, Nantes, France, April 7-10, 2009)
Required Period	Program Chair of	1st International Workshop on Aware Computing (IWAC2009, Aizu, Japan, September 17-18, 2009)
Required Period	Invited Track Organizer of	2009 IEEE International Conference on Systems, Man and Cybernetics (SMC 2009, San Antonio, USA, October 11-14, 2009)
Required Period	Program Chair of	7th International Conference of Socionetwork Strategies and 3rd International Conference of Policy Grid Computing (Osaka, Japan, October 25, 2009)
Feb, 2002 – Sep, 2009	Member of	Technical Committee on Soft Computing, IEEE Systems, Man, and Cybernetics Society
Oct, 2004 - Nov, 2008	Chair of	Technical Committee on Soft Computing, IEEE Systems, Man, and Cybernetics Society
Jan, 2005 - Dec, 2010	Associate Editor of	IEEE Transaction on Systems, Man, and Cybernetics Part B
Sep, 2006 - Present	Associate Editor of	Review of Socionetwork Strategies, Springer
Jan, 2008 - Present	Chair of	Japan Chapter of IEEE Systems, Man, and Cybernetics Society
Sep, 2009 - Present	Founding Chair of	International Conference on Awareness Science and Technology
Oct, 2010 - Present	Founding Chair of	Technical Committee on Aware Computing, IEEE Systems, Man, and Cybernetics Society
Required Period	Chair of	7th International Workshop on Agent-based Approaches in Economic and Social Complex Systems of PAAA (AESCS2012, Osaka, Japan, January 17-19, 2012)
Required Period	Publication Chair of	5th International Conference on Emerging Trends in Engineering and Technology (ICETET-12, Himeji, Hyogo, Japan, November 5-7, 2012)
Required Period	Sponsorship Chair of	6th International Conference on Soft Computing and Intelligent Systems (SCIS2012, Kobe, Hyogo, Japan, November 20-24, 2012)

Appointments in Academic Societies (Domestic)

Apr, 1998 - Aug, 2000	Editorial Member of	"Fuzzy and Soft Computing Handbook", Edited by Japan Society for Fuzzy Theory and Systems
Apr, 1998 - Mar, 2003	Treasurer of	Special Interest Group on Evolutionary Computation, Japan Society for Fuzzy Theory and Systems
June, 2001 - Oct, 2001	Program Committee Member of	Evolutionary Computation Symposium (Intelligent Information Center, Doshisha University, Oct. 18-19, 2001), Division of Mathematical Model and Problem Solving, Information Processing Society of Japan
Aug, 2002 - Jan, 2003	Program Committee Member of	Evolutionary Computation Symposium 2002 (Intelligent Information Center, Doshisha University, Jan. 16-17, 2003), Division of Mathematical Model and Problem Solving, Information Processing Society of Japan
Sep, 2002 - Sep, 2003	Member of	Organizing Committee, Fuzzy System Symposium 2003 (Osaka Prefecture University, Sep. 8-10, 2003), Japan Society for Fuzzy Theory and Systems
Apr, 1999 – Present	Member of	Special Interest Group on Fuzzy Operations Research, Japan Society for Fuzzy Theory and Systems
Apr, 2000 – Present	Member of	Special Interest Group on Computational Intelligence, Japan Industrial Management Association
Oct, 2001 - Mar, 2005	Associate Editor of	Journal of Japan Society for Fuzzy Theory and Systems
Apr, 2003 - Mar, 2007	Chair of	Special Interest Group on Evolutionary Computation, Japan Society for Fuzzy Theory and Systems
Sep, 2003 - Present	Member of	Social Events Department, Japan Society for Fuzzy Theory and Systems
Apr, 2007 - Mar, 2008	Member of	Award Committee, Institute of Systems, Control and Information Engineers, Japan
Apr, 2007 - Mar, 2009	Associate Editor of	Transaction of Institute of Systems, Control and Information Engineers, Japan
Dec, 2007 - Mar, 2010	Member of	Steering Committee, Special Interest Group on Evolutionary Computation, Japan
Jan, 2009 - Present	Associate Editor of	Journal of Japan Society for Fuzzy Theory and Systems
Feb, 2009 - Present	Associate Editor of	Transactions of The Japanese Society for Artificial Intelligence
Feb, 2009 - Mar, 2012	Member of	Steering Committee, Special Interest Group on Evolutionary Computation Frontier, The Japanese Society for Artificial Intelligence
Apr, 2010 - Present	Founding Member of	Executive Committee, The Japanese Society For Evolutionary Computation
Apr, 2010 - Present	Member of	Editorial Board, The Japanese Society For Evolutionary Computation

Appointments in University

Apr, 1998 - Mar, 2000	Member of	Information Science Center Committee, Ashikaga Institute of Technology
Apr, 1998 - Mar, 2001	Advisor of	Students Enrolling in Dept. of Industrial and Information Systems Engineering, Ashikaga Institute of Technology

Apr, 1999 - Mar, 2001	Member of	Webpage Committee, Ashikaga Institute of Technology
Apr, 2000 - Mar, 2001	Member of	Employment Placement Committee, Ashikaga Institute of Technology
Oct, 2001 - Sep, 2003	Member of	Research Activity Committee, Faculty of Informatics, Kansai University
Oct, 2001 - Sep, 2003	Member of	Facility Committee, Faculty of Informatics, Kansai University
Oct, 2003 - Sep, 2004	Member of	Executive Committee (As Chief of Student Affairs), Faculty of Informatics, Kansai University
Oct, 2003 - Sep, 2004	Chair of	Student Affairs Committee, Faculty of Informatics, Kansai University
Oct, 2003 - Sep, 2004	Member of	Traffic Problem Committee, Kansai University
Oct, 2003 - Sep, 2004	Member of	Laboratory for Human Rights, Kansai University
Apr, 2003 - Sep, 2005	Member of	Graduate School Self-Evaluation Committee, Graduate School of Informatics, Kansai University
Oct, 2003 - Sep, 2005	Member of	Self-Evaluation Committee, Faculty of Informatics, Kansai University
Oct, 2003 - Sep, 2005	Member of	Human Rights Committee, Kansai University
Apr, 2005 - Present	Chair of	Steering Committee, Policy Grid Computing Laboratory, Kansai University
Apr, 2005 - Jul, 2008	Member of	Steering Committee, Institute of Economic and Political Studies, Kansai University
Apr, 2005 - Jul, 2008	Member of	Self-Evaluation Committee, Institute of Economic and Political Studies, Kansai University
Oct, 2005 - Sep, 2007	Member of	Advertisement Committee, Faculty of Informatics, Kansai University
Oct, 2005 - Sep, 2007	Member of	Budget Committee, Faculty of Informatics, Kansai University
Jul, 2008 - Present	Vice Chair of	Human Resource Committee, The Research Institute for Socionetwork Strategies, Kansai University
Oct, 2008 - Mar, 2010	Member of	Audiovisual Aids Committee, Kansai University
Oct, 2008 - Mar, 2010	Member of	Graduate School Self-Evaluation Committee, Graduate School of Informatics, Kansai University
Apr, 2011 - Present	Member of	Curriculum Committee, Faculty of Informatics, Kansai University

List of Publications

Journals & Reviewed Book Chapters

- Hiroshi Arikawa, Sen-ichi Morishita, Tadahiko Murata, A Challenge to Develop Large-Scale Agent Simulation Software, *Agent-based Computing* (Eds by D. Bouca, A. Gafacnao, Nova Science Publishers), pp. 123-140 (February, 2011).
- Taiyo Maeda, Yusuke Aoki, Tadahiko Murata, Construction of PSE system for developing reinforcement learning algorithms, *Journal of Convergence Information Technology*, Vol. 5, No. 4, pp.130-140 (April, 2010).
- Taiyo Maeda, Tadahiko Murata, Daichi Kotaka, Shigeru Matsumoto, Yang Cao, Social simulation based on human behavioral data collected by web-based experimental system, *Journal of Convergence Information Technology*, Vol. 5, No. 4, pp.141-151 (April, 2010).
- Tadahiko Murata, Yusuke Aoki, "GA-based Q-learning to develop compact control table for multiple agents," *Evolutionary Computation* (I-Tech, Vienna, Austria), pp. 181-194 (February 2010).
- Tadahiko Murata, Ryota Itai, "Enhancing solution similarity in multi-objective vehicle routing problems with different demand periods," *Vehicle Routing Problems* (I-Tech, Vienna, Austria), pp. 99-112 (September, 2008)
- Tadahiko Murata, Masatoshi Yamaguchi, "Multi-legged robot control using GA-based Q-learning method with neighboring crossover," *Frontiers in Evolutionary Robotics* (I-Tech, Vienna, Austria), pp. 341-352 (April, 2008).
- Hiroshi Arikawa, Tadahiko Murata, "Implementation Issues in a Grid-based Multi-Agent Simulation System used for Increasing Labor Supply," *The Review of Socionetwork Strategies*, Springer, No.1, pp. 1-13 (March, 2007).
- Tadahiko Murata, Shiori Kaige, Hisao Ishibuchi, "Local Search Direction for Multi-Objective Optimization Using Memetic EMO Algorithms," *Knowledge Incorporation in Evolutionary Computation (Studies in Fuzziness and Soft Computing, Vol.167)*, Y. Jin (Ed.), (Springer-Verlag, Heidelberg, 2005) pp. 385-410.
- Tadahiko Murata, Shiori Kaige, Hisao Ishibuchi, "Dominance relation-based replacement rules in memetic algorithms for multiobjective optimization problems," *IPSP Transactions on Mathematical Modeling and Its Applications*, Vol. 45, No. SIG 2, pp.119-133 (February, 2004).
- Hisao Ishibuchi, Tadashi Yoshida, Tadahiko Murata, "Balance between genetic search and local search in memetic algorithms for multiobjective permutation flowshop scheduling," *IEEE Transaction on Evolutionary Computation*, Vol. 7, No. 2, pp.204-223 (April, 2003).
- Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Three-objective genetic-based machine learning for linguistic rule extraction," *Information Sciences: An International Journal*, Vol. 136, No. 1-4, pp.109-133 (August, 2001).
- Hisao Ishibuchi, Tadahiko Murata, "Flowshop scheduling with fuzzy due date and fuzzy processing time," *Advances in Scheduling and Sequencing Under Fuzziness (Studies in Fuzziness, Vol.37)*, R. Slowinski and M. Hapke (Eds.), (Physica-Verlag, Heidelberg, 2000) pp. 113-143.
- Hisao Ishibuchi, Tadahiko Murata, "Fuzzy Pattern Classification," *Fuzzy and Soft Computing Hand Book* (Edited by Japan Society for Fuzzy Theory and Systems, Kyoritsu, Tokyo, 2000) pp. 183-206.
- Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Formulation of multi-objective fuzzy scheduling problems with job importance grades," *Journal of Japan Society for Fuzzy Theory and Systems*, Vol. 11, No. 3, pp. 512-520 (June, 1999).
- Hisao Ishibuchi, Tadahiko Murata, Tomoharu Nakashima, "Linguistic rule extraction from numerical data for high-dimensional classification problems," *Journal of Advanced Computational Intelligence*, Vol.3, No.5, pp.386-393 (1999).

16. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Performance evaluation of fuzzy classifier systems for multi-dimensional pattern classification problems," *IEEE Transaction on Systems, Man, and Cybernetics*, Part B, Vol.29, No.5, pp.601-618 (October, 1999).
17. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Techniques and applications of GA-based methods for designing fuzzy classification systems," *Fuzzy Theory Systems Techniques and Applications Vol.3*, C.T.Leondes (Ed.), (Academic Press, 1999) pp. 1081-1109.
18. Hisao Ishibuchi, Tadahiko Murata, "A multi-objective genetic local search algorithm and its application to flowshop scheduling," *IEEE Transaction on Systems, Man, and Cybernetics*, Part C, Vol.28, No.3, pp.392-403 (August, 1998).
19. Hisao Ishibuchi, Tadahiko Murata, Kyu-Hung Lee, "Flowshop scheduling problems with interval processing time," *Journal of Japan Industrial and Management Association*, Vol.49, No.2, pp.59-69 (June, 1998).
20. Hisao Ishibuchi, Tadahiko Murata, "Genetic local search algorithm for multi-objective flowshop scheduling problems," *Journal of Japan Industrial and Management Association*, Vol.48, No.6, pp.301-313 (February, 1998).
21. Hisao Ishibuchi, Tadahiko Murata, Kyu-Hung Lee, "Formulation of multi-objective scheduling problems using fuzzy due-date," *Journal of Japan Society for Fuzzy Theory and Systems*, Vol.9, No.6, pp.995-1004 (December, 1997).
22. Hisao Ishibuchi, Tadahiko Murata, Shigemitsu Tomioka, "Flowshop scheduling by genetic local search," *Transactions of The Institute of Systems, Control and Information Engineers*, Vol.10, No.10, pp.563-565 (October, 1997).
23. Hisao Ishibuchi, Tadahiko Murata, I.B.Turksen, "Single-objective and two-objective genetic algorithms for selecting linguistic rules for pattern classification problems," *Fuzzy Sets and Systems*, Vol. 89, No. 2, pp. 135-150 (July, 1997).
24. Hisao Ishibuchi, Tadahiko Murata, Tomoharu Nakashima, "Genetic-algorithm-based approach to classification problems," *Fuzzy Evolutionary Computation*, W.Pedrycz (Ed.), (Kluwer Academic Publishers, Boston, USA, June, 1997) pp. 127-153.
25. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Comparison between Michigan approach and Pittsburgh approach to the design of fuzzy classification systems," *Transaction of the Institute of Electronics, Information and Communication Engineers A*, Vol.J80-A, No.2, pp.379-387 (February, 1997).
26. Tadahiko Murata, Hisao Ishibuchi, "Performance evaluation of genetic operations for flowshop scheduling," *Transactions of The Institute of Systems, Control and Information Engineers*, Vol.9, No.10, pp.482-484 (October, 1996).
27. Hisao Ishibuchi, Tadahiko Murata, "A genetic-algorithm-based fuzzy partition method for pattern classification problems," *Genetic Algorithms and Soft Computing (Studies in Fuzziness, Vol.8)*, F.Herrera and J.L.Verdegay (Eds.), (Physica-Verlag, Heidelberg, Germany, September, 1996) pp.555-578.
28. Hisao Ishibuchi, Tadahiko Murata, Hideo Tanaka, "Construction of fuzzy classification systems with linguistic if-then rules using genetic algorithms," *Genetic Algorithms for Pattern Recognition*, Sankar K.Pal and Paul P.Wang (Eds.), (CRC Press, Boca Raton, Florida, USA, September, 1996) pp.227-251.
29. Tadahiko Murata, Hisao Ishibuchi, Hideo Tanaka, "Multi-objective genetic algorithm and its application to flowshop scheduling," *Computers and Industrial Engineering Journal*, Vol.30, No.4, pp.957-968 (September, 1996).
30. Tomoharu Nakashima, Tadahiko Murata, Hisao Ishibuchi, "Acquisition of linguistic classification rules by a classifier system," *Journal of Japan Industrial and Management Association*, Vol.47, No.3, pp.199-206 (August, 1996).
31. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "A fuzzy classifier system that generates linguistic rules for pattern classification problems," *Fuzzy Logic, Neural Networks, and Evolutionary Computation (Lecture notes in Artificial Intelligence 1152)* (Selected papers in IEEE/Nagoya-University World Wisepersons Workshop, Nagoya, Japan, November 14-15, 1995), Takeshi Furuhashi and Yoshiki Uchikawa (Eds.), (Springer-Verlag, Berlin, Germany, July, 1996) pp.35-54.
32. Hisao Ishibuchi, Tadahiko Murata, "A learning method of fuzzy classification rules by a genetic algorithm," *Transaction of the Institute of Electronics, Information and Communication Engineers A*, Vol.J79-A, No.7, pp.1289-1297 (July, 1996).
33. Tadahiko Murata, Hisao Ishibuchi, Hideo Tanaka, "Genetic algorithms for flowshop scheduling problems," *Computers and Industrial Engineering Journal*, Vol.30, No.4, pp.1061-1071 (September, 1996).
34. Hisao Ishibuchi, Tadahiko Murata, "Selection of linguistic classification rules using two-objective genetic algorithms," *Journal of Japan Society for Fuzzy Theory and Systems*, Vol.7, No.5, pp.1041-1049 (October, 1995).
35. Hisao Ishibuchi, Tadahiko Murata, Hideo Tanaka, "Construction of fuzzy classification systems using genetic algorithm," *Journal of Japan Society for Fuzzy Theory and Systems*, Vol.7, No.5, pp.1022-1040 (October, 1995).
36. Tadahiko Murata, Hisao Ishibuchi, Hideo Tanaka, "Flowshop scheduling by genetic algorithm and its application to multi-objective problems," *Transactions of the Society of Instrument and Control Engineers*, Vol.31, No.5, pp.583-590 (May, 1995).
37. Hisao Ishibuchi, Naohisa Yamamoto, Tadahiko Murata, Hideo Tanaka, "Genetic algorithms and neighborhood search algorithms for fuzzy flowshop scheduling problems," *Fuzzy Sets and Systems*, Vol.67, No.1, pp.81-100 (October, 1994).

International Conference Proceedings

1. Tadahiko Murata and Zhibin Chen, Agent-Based Simulation for Pension System in Japan, Proc. of 7th International Workshop on Agent-based Approaches in Economic and Complex Social Systems (Osaka, Japan, Jan. 17-19, 2012), pp. 68-79.
2. Tadahiko Murata, Goichi Morimoto, Shintaro Tokura, Survey-based hospital closure estimation using agent-based simulation, Proc. of IEEE International Conference on Systems, Man, and Cybernetics (Anchorage, USA, Oct. 9-12, 2011), 6 pages.
3. Tadahiko Murata, Kenta Konishi, Parameter identification in voting simulation using multi-agent model and its application, Proc. of International Conference on Instrumentation, Control, Information Technology and System Integration (Tokyo, Japan, Sep. 13-18, 2011), 5 pages.
4. Tadahiko Murata, Shintaro Tokura, Goichi Morimoto, Mitsuya Matsubara, Estimation of the influence of hospital closure using agent-based simulation, Proc. of 2nd International Symposium on Aware Computing (Tainan, Taiwan, Nov. 1-4, 2010), pp. 285-290.

5. Zhibin Chen, Tadahiko Murata, Examination of possible progress of Japanese pension system using an agent-based model, Proc. of 2nd International Symposium on Aware Computing (Tainan, Taiwan, Nov. 1-4, 2010), pp. 278-284.
6. Kenta Konishi, Tadahiko Murata, Examination of effect of free bus service in election using computer simulation, Proc. of 2nd International Symposium on Aware Computing (Tainan, Taiwan, Nov. 1-4, 2010), pp. 263-268.
7. Tadahiko Murata, Akinori Taki, Examination of the performance of objective reduction using correlation-based weighted-sum for many objective knapsack problems, Proc. of 10th International Conference on Hybrid Intelligence Systems (Atlanta, Aug. 23-25, 2010), pp. 175-180.
8. Zhibin Chen, Tadahiko Murata, "Analysis of regional public pension system based on generation-based funding scheme by multi-agent simulation model," *Proc. of International Workshop on Aware Computing* (Aizu, Japan, September 17-18, 2009), 6 pages.
9. Kenta Konishi, Tadahiko Murata, "Examination of regional polling parameters in voting simulation," *Proc. of International Workshop on Aware Computing* (Aizu, Japan, September 17-18, 2009), 4 pages.
10. Tadahiko Murata, Akinori Taki, "Many-Objective Optimization for Knapsack Problems Using Correlation-Based Weighted Sum Approach," *Proc. of 5th International Conference on Evolutionary Multi-Criterion Optimization: EMO 2009* (Nantes, France, April 7-10, 2009), pp. 201-215.
11. Daisuke Banjo, Hiroyuki Tamura, Tadahiko Murata, "Public pension planning on the basis of generation-based funding scheme for intra-generational equity," *Proc. of IEEE International Conference on Intelligent Systems: ICIS 2008*, (Varna, Bulgaria, Sept. 6-8, 2008), 9 pages.
12. Yusuke Chamoto, Etsuhiro Nakamura, Tadahiko Murata, "The control of public policies by adaptively rational voters," *Proc. of The Fifth Conference of the European Social Simulation Association* (Brescia, Italy, Sep. 1-5, 2008), 13 pages.
13. Tadahiko Murata, Hiroshi Arikawa, Sen-ichi Morishita, Taiyo Maeda, "A design of problem solving environments for policy making assistance using MAS-based social simulation," *Proc. of IEEE e-Science07* (Bangalore, India, Dec. 10-13, 2007), pp. 521-528.
14. Daisuke Banjo, Hiroyuki Tamura, Tadahiko Murata, "Simulating a transition process to generation-based funding scheme in public pension planning," *Proc. of IEEE International Conference on System, Man & Cybernetics: SMC 2007* (Montreal, Canada, Oct. 7-10, 2007), pp. 1993-1998.
15. Tadahiko Murata, Yusuke Aoki, "Developing control table for multiple agents using GA-based Q-learning with neighboring crossover," *Proc. of IEEE Congress on Evolutionary Computation* (Singapore, September 25-28, 2007), pp. 1462-1467.
16. Tadahiko Murata, Ryota Itai, "Local search in two-fold EMO algorithm to enhance solution similarity for multi-objective vehicle routing problems," *Proc. of 4th International Conference on Evolutionary Multi-Criterion Optimization: EMO 2007* (Matsushima, Japan, March 5-8, 2007), pp. 201-215.
17. Tadahiko Murata, Takashi Nakamura, "Multi-start node genetic network programming for controlling multiple agents," *Proc. of IEEE International Conference on System, Man & Cybernetics: SMC 2006* (Taipei, Taiwan, Oct. 8-11, 2006), pp. 1927-1932.
18. Tadahiko Murata, Satoshi Miyata, "Gene linkage identification during local search for permutation problems," *Proc. of International Conference on Soft Computing and Intelligent Systems & International Symposium on Advanced Intelligent Systems: SCIS & ISIS* (Tokyo, Japan, Sept. 20-24, 2006), pp. 107-111.
19. Daisuke Banjo, Hiroyuki Tamura, Tadahiko Murata, "On planning a public pension system under uncertainty: A generation-base operation model," *Proc. of 3rd IEEE International Conference on Intelligent Systems: ICIS 2006*, (London, UK, Sept. 4-6, 2006), pp. 150-155.
20. Tadahiko Murata, Daisuke Okada, "Using genetic network programming to get comprehensible control rules for real robots," *Proc. of IEEE World Congress on Computational Intelligence: WCCI 2006, CEC 2006* (Vancouver, Canada, July 16-21, 2006), pp. 7336-7341.
21. Tadahiko Murata, Satoshi Miyata, "Gene linkage identification in permutation problems for local search and genetic local search," *Proc. of IEEE International Conference on System, Man & Cybernetics: SMC 2005* (Hawaii, USA, Oct. 10-12, 2005), pp. 1920-1924.
22. Tadahiko Murata, Takashi Nakamura, Sho Nagamine, "Performance of genetic network programming for learning agents on perceptual aliasing problem," *Proc. of IEEE International Conference on System, Man & Cybernetics: SMC 2005* (Hawaii, USA, Oct. 10-12, 2005), pp. 2317-2322.
23. Tadahiko Murata, Takashi Nakamura, "Genetic network programming with automatically defined groups for assigning proper roles to multiple agents," *Proc. of Genetic and Evolutionary Computation: GECCO 2005* (Washington, D.C, USA, June 25-29, 2005), pp. 1705-1712.
24. Tadahiko Murata, Masatoshi Yamaguchi, "Neighboring crossover to improve GA-based Q-learning method for multi-legged robot control," *Proc. of Genetic and Evolutionary Computation: GECCO 2005* (Washington, D.C, USA, June 25-29, 2005), pp. 145-146.
25. Tadahiko Murata, Ryota Itai, "Multi-Objective Vehicle Routing Problems Using Two-Fold EMO Algorithms to Enhance Solution Similarity on Non-dominated Solutions," *Proc. of Third International Conference on Evolutionary Multi-criterion Optimization* (Mexico, March 11-15, 2005), pp. 885-896.
26. Tadahiko Murata, Yu Mizoguchi, "Suppressing Catastrophic Interference in RAN by Modifying the Generation and Retrieval Method for Long-Term Memory Data," *Proc. of the 2004 IEEE International Conference on System, Man and Cybernetics* (Hague, The Netherlands, October 10-13, 2004) 5 pages.
27. Tadahiko Murata, Nobuaki Kakito, "Products' Review Page Projection Using The Number of Evaluating Expressions," *Proc. of the WWW/Internet 2004* (Madrid, Spain, October 6-9, 2004) pp. 1061-1064.
28. Tadahiko Murata, Shoko Shirato, "History Using Browsing Duration to Assist Browsing Activity," *Proc. of the WWW/Internet 2004* (Madrid, Spain, October 6-9, 2004) pp. 1121-1124.
29. Tadahiko Murata, Hiroshi Matsumoto, "Use of Successful Policies to Relearn for Induced States of Failure in Reinforcement Learning," *Proc. of The Eighth International Conference on Knowledge-Based Intelligent Information & Engineering Systems* (Wellington, New Zealand, September 20-23, 2004), Vol. 1, pp. 1114-1120.
30. Tadahiko Murata, Kenji Takada, "Performance Evaluation of a Distributed Genetic Algorithm with Cellular Structures on Function Optimization Problems," *Proc. of The Eighth International Conference on Knowledge-Based Intelligent Information & Engineering Systems* (Wellington, New Zealand, September 20-23, 2004), Vol. 1, pp. 1128-1135.
31. Tadahiko Murata, Takashi Nakamura, "Developing Cooperation of Multiple Agents Using Genetic Network Programming with Automatically Defined Groups," *Proc. of Late Breaking Papers in Genetic and Evolutionary Computation: GECCO 2004* (Seattle, USA, June 26-30, 2004), CD-ROM (12 pages).

32. Tadahiko Murata, Takashi Nakamura, "Multi-Agent Cooperation Using Genetic Network Programming with Automatically Defined Groups," *Proc. of Genetic and Evolutionary Computation: GECCO 2004* (Seattle, USA, June 26-30, 2004), Vol. 2, pp. 712-714.
33. Tadahiko Murata, Hiroko Kitano, Tomoharu Nakashima, Hisao Ishibuchi, "Application of a Multi-Agent Model with Pioneers and Followers to a Day Care Center Allocation Problems," *Proc. of International Conference on Intelligent Technologies 2003* (Chiang Mai, Thailand, December 17-19, 2003), pp.179-186
34. Shiori Kaige, Tadahiko Murata, Hisao Ishibuchi, "Performance Evaluation of Memetic EMO Algorithms Using Dominance Relation-Based Replacement Rules on MOO Test Problems," *Proc. of the 2003 IEEE International Conference on System, Man and Cybernetics* (Washington, D.C., USA, October 5-8, 2003) pp. 14-19.
35. Tadahiko Murata, Shiori Kaige, Hisao Ishibuchi, "Generalization of Dominance Relation-based Replacement Rules for Memetic EMO Algorithms," *Proc. of Genetic and Evolutionary Computation: GECCO 2003* (Chicago, USA, July 12-16, 2003), pp. 1234-1245.
36. Tadahiko Murata, Hiroyuki Nozawa, Hisao Ishibuchi, Mitsuo Gen, "Modification of Local Search Directions for Non-dominated Solutions in Cellular Multiobjective Genetic Algorithms for Pattern Classification Problems," *Proc. of Second International Conference on Evolutionary Multi-criterion Optimization* (Faro, Portugal, April 8-11, 2003), pp. 593-607.
37. Tadahiko Murata, Hideyuki Takagi, "Analysis of Evolutionary Computation Research through IEEE Conferences," *Proc. of The 2002 IEEE International Conference on System, Man and Cybernetics* (Hammamet, Tunisia, October 6 - 9, 2002), 5 pages (CD-ROM).
38. Hisao Ishibuchi, Tadashi Yoshida, Tadahiko Murata, "Balance between Genetic Search and Local Search in Hybrid Evolutionary Multi-Criterion Optimization Algorithms," *Proc. of The Genetic and Evolutionary Computation Conference 2002* (New York, USA, July 9 - 13, 2002), pp. 1301-1308.
39. Tadahiko Murata, Hiroyuki Nozawa, Yasuhiro Tsujimura, Mitsuo Gen, Hisao Ishibuchi, "Effect of local search on the performance of cellular multi-objective genetic algorithms for designing fuzzy rule-based classification systems," *Proc. of the 2002 Congress on Evolutionary Computation* (Honolulu, Hawaii, U.S.A, May 12 - 17, 2002), pp. 663-668.
40. Hisao Ishibuchi, Tadashi Yoshida, Tadahiko Murata, "Selection of initial solutions for local search in multi-objective genetic local search," *Proc. of the 2002 Congress on Evolutionary Computation* (Honolulu, Hawaii, U.S.A, May 12 - 17, 2002), pp. 950-955.
41. Tadahiko Murata, Hiroyuki Nozawa, Yasuhiro Tsujimura, Mitsuo Gen, "Design of Fuzzy Classification Systems by Cellular Multi-Objective Genetic Algorithms," *Proc. of the 5th International Conference on Engineering Design and Automation* (Las Vegas, Nevada, U.S.A, August 5-8, 2001).
42. Tadahiko Murata, Takashi Sugimoto, Yasuhiro Tsujimura, Mitsuo Gen, Hisao Ishibuchi, "Rule conversion in knowledge acquisition for flowshop scheduling problems," *Proc. of Joint 9th the International Fuzzy Systems Association (IFSA) World Congress and 20th the North American Fuzzy Information Processing Society (NAFIPS) International Conference* (Vancouver, Canada, July 25-28, 2001), pp. 2417-2421 (CD-ROM).
43. Tadahiko Murata, Shuhei Kawakami, Hiroyuki Nozawa, Mitsuo Gen, Hisao Ishibuchi, "Three-objective genetic algorithms for designing compact fuzzy rule-based systems for pattern classification problems," *Proc. of The Genetic and Evolutionary Computation Conference 2001* (San Francisco, CA, USA, July 7-11, 2001), pp. 485-492
44. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Specification of genetic search directions in cellular multi-objective genetic algorithms," *Proc. of First International Conference on Evolutionary multi-criterion optimization* (Zurich, Switzerland, March 7-9, 2001), pp. 82-95.
45. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Multiobjective optimization in linguistic rule extraction from numerical data," *Proc. of First International Conference on Evolutionary multi-criterion optimization* (Zurich, Switzerland, March 7-9, 2001), pp. 588-602.
46. Tadahiko Murata, Takashi Sugimoto, Yasuhiro Tsujimura, "Appropriate fuzzy operations for cell formation method with fuzzy characteristic features," *Proc. of The 3rd Asia-Pacific Conference on Industrial Engineering and Management Systems* (Hong Kong, Dec. 20-22, 2000), pp. 301-304.
47. Tadahiko Murata, Takashi Sugimoto, Yasuhiro Tsujimura, "Fuzzy operation in cell formation method with fuzzy linguistic values for group technology," *Proc. of The 4th Japan-Australia Joint Workshop on Intelligent and Evolutionary Systems* (Hayama, Japan, Oct. 31- Nov. 2, 2000), pp. 143-147.
48. Tadahiko Murata, Hirokatsu Oshida, Mitsuo Gen, "Rule-based weight definition for multi-objective fuzzy scheduling with the OWA operator," *Proc. of 2000 IEEE International Conference on Industrial Electronics, Control and Instrumentation* (Nagoya, Japan, Oct. 25-27, 2000), pp. 2756-2761 (CD-ROM).
49. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Cellular genetic local search for multi-objective optimization," *Proc. of The Genetic and Evolutionary Computation Conference 2000* (Las Vegas, Nevada, USA, July 8-13, 2000), pp. 307-314.
50. Tadahiko Murata, Mitsuo Gen, "Cellular genetic algorithm for multi-objective optimization," *Proc. of The Fourth Asian Fuzzy System Symposium* (Tsukuba, Japan, May 31-June 3, 2000), pp. 538-542
51. Tadahiko Murata, Mitsuo Gen, "Performance evaluation of solution-based GA and rule-based GA for scheduling problems," *Proc. of The Fourth Asian Fuzzy System Symposium* (Tsukuba, Japan, May 31-June 3, 2000), pp. 696-699.
52. Tadahiko Murata, Mitsuo Gen, "Combinations of dispatching rules for scheduling problems using genetic algorithms," *Proc. of The Second Asia Pacific Conference on Industrial Engineering and Management Systems* (Kanazawa, Japan, October 30-31, 1999), pp. 315-318
53. Hisao Ishibuchi, Tadahiko Murata, "Local search procedures in a multi-objective genetic local search algorithm for scheduling problems," *Proc. of The 1999 IEEE International Conference on Systems, Man and Cybernetics* (Tokyo, Japan, October 12-15, 1999), Vol. I, pp. 665-670 (CD-ROM Vol. 1).
54. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Construction of fuzzy classification systems using multiple fuzzy rule tables," *Proc. of The 1999 IEEE International Conference on Systems, Man and Cybernetics* (Tokyo, Japan, October 12-15, 1999), Vol. IV, pp.875-880 (CD-ROM Vol. 2).
55. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Multi-objective fuzzy scheduling with the OWA operator for handling different scheduling criteria and different job importance," *Proc. of The 7th IEEE International Conference on Fuzzy Systems* (Seoul, Korea, August 22-25, 1999).
56. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Specification of local search directions in genetic local search algorithms for multi-objective optimization problems," *Proc. of The Genetic and Evolutionary Computation Conference* (Orlando, Florida, USA, July 13-17, 1999), pp. 441-448.
57. Hisao Ishibuchi, Tomokazu Sotani, Tadahiko Murata, "Tradeoff between the performance of fuzzy rule-based classification systems and the number of fuzzy if-then rules," *Proc. of The 18th International Conference of the North American Fuzzy Information Processing Society* (New York, New York, USA, June 10-12, 1999), pp. 125-129.

58. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Multi-objective fuzzy scheduling problems considering job importance grades," *Proc. of The 2nd Japan-Australia Joint Workshop on Intelligent and Evolutionary Systems* (Kyoto, Japan, November 12-14, 1998), pp. 188-193.
59. Tadahiko Murata, Dawei Zheng, Mitsuo Gen, "Dynamic parameter specifications in genetic algorithms," *Proc. of The 2nd Japan-Australia Joint Workshop on Intelligent and Evolutionary Systems* (Kyoto, Japan, November 12-14, 1998), pp. 182-187.
60. Tadahiko Murata, Dawei Zheng, Mitsuo Gen, "Adaptive genetic algorithms for scheduling problems," *Proc. of The 1st Asia-Pacific Workshop on Genetic Algorithms and Applications* (Beijing, China, October 18-20, 1998), in *Beijing Mathematics*, Vol. 4, No. 2, pp. 34-41.
61. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Multi-objective fuzzy scheduling problems considering job satisfaction goals," *Proc. of The 1st China-Japan Joint Conference on Industrial Engineering and Management* (Beijing, China, October 16-17, 1998), pp. 149-154.
62. Tadahiko Murata, Dawei Zheng, Mitsuo Gen, "Parameters in adaptive genetic algorithms for scheduling problems," *Proc. of The 1st China-Japan Joint Conference on Industrial Engineering and Management* (Beijing, China, October 16-17, 1998), pp. 143-148.
63. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Formulation of a fuzzy rule selection problem for high-dimensional classification problems," *Proc. of The 6th International Conference on Fuzzy Theory and Technology* (North Carolina, USA, October 23-28, 1998), pp. 119-122.
64. Hisao Ishibuchi, Tadahiko Murata, Tomokazu Sotani, "Fuzzy rule selection by genetic local search for pattern classification problems," *Proc. of The 5th International Conference on Soft Computing* (Iizuka, Fukuoka, Japan, October 16-20, 1998), pp. 923-926.
65. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Random weights in multi-objective genetic algorithms," *Proc. of The 2nd International Conference on Engineering Design and Automation* (Maui, Hawaii, USA, August 9-12, 1998, Only CD-ROM Proceedings available).
66. Tadahiko Murata, Hisao Ishibuchi, "Constructing multi-objective genetic local search algorithms for multi-objective flowshop scheduling problems," *Proc. of The 1998 Japan-USA Symposium on Flexible Automation* (Ohtsu, Japan, July 13-15, 1998), pp. 1353-1356.
67. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Formulation of multi-objective fuzzy scheduling problems using OWA operator," *Proc. of The 1998 Japan-USA Symposium on Flexible Automation* (Ohtsu, Japan, July 13-15, 1998), pp. 891-894.
68. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Scheduling criteria for interval flowshop scheduling problems," *Proc. of The World Automation Congress '98* (Alaska, USA, May 10-14, 1998), ISSCI 075.1-075.6 (CD-ROM).
69. Hisao Ishibuchi, Tadahiko Murata, "GA-based two-objective flowshop scheduling with interval processing time," *Proc. of The World Automation Congress '98* (Alaska, USA, May 10-14, 1998), ISSCI 046.1-046.6 (CD-ROM).
70. Hisao Ishibuchi, Tadahiko Murata, "Multi-objective genetic local search for minimizing the number of fuzzy rules for pattern classification problems," *Proc. of The 6th IEEE International Conference on Fuzzy Systems* (Alaska, USA, May 5-9, 1998), pp. 1100-1105 (CD-ROM).
71. Tomoharu Nakashima, Hisao Ishibuchi, Tadahiko Murata, "Evolutionary algorithms for constructing linguistic rule-based systems for high-dimensional pattern classification problems," *Proc. of The 5th IEEE International Conference on Evolutionary Computation* (Alaska, USA, May 5-9, 1998), pp. 752-757 (CD-ROM).
72. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Adjusting fuzzy partitions by genetic algorithms and histograms for pattern classification problems," *Proc. of The 5th IEEE International Conference on Evolutionary Computation* (Alaska, USA, May 5-9, 1998), pp. 9-14 (CD-ROM).
73. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Neighborhood structures for genetic local search algorithms," *Proc. of The 2nd International Conference on Knowledge-Based Intelligent Electronic Systems* (Adelaide, South Australia, Australia, April 21-23, 1998), Vol. 2, pp. 259-263.
74. Tadahiko Murata, Hisao Ishibuchi, Mitsuo Gen, "Fuzzy partition and input selection by genetic algorithms for designing fuzzy rule-based classification systems," *Evolutionary Programming VII (as Lecture Notes in Computer Science Vol. 1447, Proc. of The 7th Annual Conference on Evolutionary Programming*, San Diego, USA, March 25-27, 1998, Springer-Verlag, Berlin, Germany, May, 1998), pp. 407-416.
75. Hisao Ishibuchi, Tadahiko Murata, Mitsuo Gen, "Performance evaluation of fuzzy rule-based classification systems obtained by multi-objective genetic algorithms," *Proc. of The 22nd International Conference on Computers and Industrial Engineering* (Cairo, Egypt, December 20-22, 1997), pp. 316-319.
76. Tadahiko Murata, Mitsuo Gen, Hisao Ishibuchi, "Multi-objective scheduling with fuzzy due-date" *Proc. of The 22nd International Conference on Computers and Industrial Engineering* (Cairo, Egypt, December 20-22, 1997), pp. 176-179.
77. Hisao Ishibuchi, Tadahiko Murata, Shigemitsu Tomioka, "Performance evaluation of genetic local search algorithms on flowshop scheduling problems," *Proc. of The 14th International Conference on Production Research* (Osaka, Japan, August 4-8, 1997), pp. 502-505.
78. Tadahiko Murata, Hisao Ishibuchi, "Performance of multi-objective genetic algorithms for flowshop scheduling problems," *Proc. of The 14th International Conference on Production Research* (Osaka, Japan, August 4-8, 1997), pp. 498-501.
79. Hisao Ishibuchi, Tadahiko Murata, Shigemitsu Tomioka, "Effectiveness of genetic local search algorithms," *Proc. of The 7th International Conference on Genetic Algorithms* (Michigan State University, USA, July 19-23, 1997), pp. 505-512.
80. Tadahiko Murata, Hisao Ishibuchi, "Reformulation of various non-fuzzy scheduling problems using the concept of fuzzy due-date," *Proc. of The 6th IEEE International Conference on Fuzzy Systems* (Barcelona, Spain, July 1-5, 1997), pp. 447-452.
81. Hisao Ishibuchi, Tadahiko Murata, "Minimizing the fuzzy rule base and maximizing its performance by a multi-objective genetic algorithm," *Proc. of The 6th IEEE International Conference on Fuzzy Systems* (Barcelona, Spain, July 1-5, 1997), pp. 259-264.
82. Hisao Ishibuchi, Manabu Nii, Tadahiko Murata, "Linguistic rule extraction from neural networks and genetic-algorithm-based rule selection," *Proc. of The 1997 IEEE International Conference on Neural Networks* (Houston, Texas, USA, June 9-12, 1997), pp. 2390-2395.
83. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Several variants of fuzzy classifier systems for pattern classification problems with continuous attributes," *Proc. of The 2nd International Symposium on Artificial Life and Robotics* (Edited by Sadao Fujimura & Masanori Sugisaka, Beppu Oita, Japan, February 18-20, 1997), pp. 46-49.
84. Hisao Ishibuchi, Tadahiko Murata, Kyu-Hung Lee, "Relations between conventional scheduling problems and fuzzy scheduling problems," *Proc. of The 35th IEEE Conference on Decision and Control* (Kobe, Japan, December 11-13, 1996), pp. 106-107.
85. Hisao Ishibuchi, Tadahiko Murata, Kyu-Hung Lee, "Flowshop scheduling with fuzzy processing time," *Proc. of The 1996 Pacific Conference on Manufacturing and Management* (Seoul, Korea, October 29-31, 1996), Vol.2, pp. 359-364.

86. Tadahiko Murata, Hisao Ishibuchi, "Multi-objective genetic algorithm for flowshop scheduling." *Proc. of The 1996 Pacific Conference on Manufacturing and Management* (Seoul, Korea, October 29-31, 1996), Vol.2, pp. 353-358.
87. Hisao Ishibuchi, Tadahiko Murata, Kyu-Hung Lee, "Formulation of fuzzy flowshop scheduling problems with fuzzy processing time," *Proc. of The 5th IEEE International Conference on Fuzzy Systems* (New Orleans, USA, September 8-11, 1996), pp. 199-205.
88. Tadahiko Murata, Hisao Ishibuchi, "Application of two-objective genetic algorithm to flowshop scheduling problems with interval processing time," *Proc. of EUFIT '96* (Aachen, Germany, September 2-5, 1996), pp. 443-447.
89. Tadahiko Murata, Hisao Ishibuchi, Hideo Tanaka, "Multi-objective Genetic Local Search for Flowshop Scheduling," *Proc. of The mini-Symposium on Genetic Algorithms and Engineering Design* (Ashikaga, Japan, May 24, 1996), pp. 139-148.
90. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "Genetic-algorithm-based approaches to the design of fuzzy systems for multi-dimensional pattern classification problems," *Proc. of The 3rd IEEE International Conference on Evolutionary Computing* (Nagoya, Japan, May 20-22, 1996), pp. 229-234.
91. Tadahiko Murata, Hisao Ishibuchi, "Positive and negative combination effects of crossover and mutation operators in sequencing problems," *Proc. of The 3rd IEEE International Conference on Evolutionary Computing* (Nagoya, Japan, May 20-22, 1996), pp. 170-175.
92. Hisao Ishibuchi, Tadahiko Murata, "Multi-objective genetic local search algorithm," *Proc. of The 3rd IEEE International Conference on Evolutionary Computing* (Nagoya, Japan, May 20-22, 1996), pp. 119-124.
93. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "A fuzzy classifier system that generates fuzzy if-then rules for pattern classification problems," *Proc. of The 2nd IEEE International Conference on Evolutionary Computing* (Perth, Australia, November 29-December 1, 1995), pp. 759-764.
94. Tadahiko Murata, Hisao Ishibuchi, "MOGA: Multi-objective genetic algorithms," *Proc. of The 2nd IEEE International Conference on Evolutionary Computing* (Perth, Australia, November 29-December 1, 1995), pp. 289-294.
95. Hisao Ishibuchi, Tomoharu Nakashima, Tadahiko Murata, "A fuzzy classifier system for generating linguistic classification rules," *Proc. of The 1995 IEEE/Nagoya University WWW on Fuzzy Logic and Neural Networks/Evolutionary Computation* (Nagoya, Japan, November 14-15, 1995), pp. 22-27.
96. Hisao Ishibuchi, Tadahiko Murata, I.B.Turksen, "Selecting linguistic classification rules by two-objective genetic algorithms," *Proc. of The 1995 IEEE International Conference on Systems, Man and Cybernetics* (Vancouver, Canada, October 22-25, 1995), pp. 1410-1415.
97. Hisao Ishibuchi, Tadahiko Murata, I.B.Turksen, "A genetic-algorithm-based approach to the selection of linguistic classification rules," *Proc. of EUFIT '95* (Aachen, Germany, August 28-31, 1995), pp. 1415-1419.
98. Tadahiko Murata, Hisao Ishibuchi, "Adjusting membership functions of fuzzy classification rules by genetic algorithms," *Proc. of FUZZ-IEEE / IFES '95* (Yokohama, Japan, March 20-24, 1995), pp. 1819-1824.
99. Tadahiko Murata, Hisao Ishibuchi, Hideo Tanaka, "Crossover and mutation operators in genetic algorithms for flowshop scheduling problems," *Proc. of The 3rd Conference of the Association of Asian-Pacific Operational Research Societies with in IFORS* (Fukuoka, Japan, July 26-29, 1994), p. 140.
100. Tadahiko Murata, Hisao Ishibuchi, "Performance evaluation of genetic algorithms for flowshop scheduling problems," *Proc. of The 1st IEEE Conference on Evolutionary Computation* (Orlando, USA, June 27-29, 1994), pp. 812-817.