

CURRICULUM VITAE

Takayuki Ito

Doctor of Engineering

Associate Professor,
Graduate School of Engineering
Nagoya Institute of Technology, Japan.

Personal Information

NAME: Takayuki ITO
DATE OF BIRTH: May 1st, 1972
PLACE OF BIRTH: Komaki (near Nagoya), Japan
NATIONALITY: Japan
MARITAL STATUS: Married, one child.

CONTACTING ADDRESS:

BUSINESS:

Shikumi College,
Graduate School of Engineering,
Nagoya Institute of Technology,
Gokiso, Showa-ku, Nagoya 466-8555 JAPAN.
TEL: +81-52-735-7968 FAX: +81-52-735-7407

EDUCATIONAL HISTORY:

Nagoya Institute of Technology

Graduate School of Engineering, Ph.D (Doctor of Engineering), 2000.

Nagoya Institute of Technology

Graduate School of Engineering, Master of Engineering, 1997.

Nagoya Institute of Technology

Dept. of Intelligence & Computer Science, Bachelor of Engineering, 1995

PROFESSIONAL EXPERIENCE

Visiting Scientist, Sept/2008 – Present

Dr. Mark Klein's group

Center for Collective Intelligence, Sloan School of Management

Massachusetts Institute of Technology (MIT)

Associate Professor, Apr/2006 – Present

Department of Computer Science, School of Techno-Business Administration,

Nagoya Institute of Technology (NIT)
Part-time Researcher, Apr/2008 – Present
TOYOTA Physical and Chemical Research Institute
Visiting Scientist, Sep/2005 – Feb/2006
Dr. Mark Klein's group
Center for Coordination Science, Sloan School of Management,
Massachusetts Institute of Technology (MIT)
Visiting Scholar, Mar/2005- Feb/2006
Prof. David C. Parkes group,
Division of Engineering and Applied Science (DEAS),
Faculty of Art and Science (FAS),
Harvard University
Associate Professor, Apr/2003 – March/2006
Department of Computer Science, Graduate School of Computer Science,
Nagoya Institute of Technology (NIT)
Associate Professor, Apl/2001 - Mar/2003
Center for Knowledge Science,
Japan Advanced Institute of Science and Technology (JAIST)
Visiting Research Scientist, Apl/2000 - Jan/2001
Prof. Milind Tambe's group (TEAMCORE),
Information Sciences Institutes (ISI),
University of Southern California (USC)
Research Fellow, Jan/1999 - Mar/2001
The Japan Society for the Promotion of Science (JSPS)

PROGRAMMING SKILLS:

Java, C++, Lisp, Prolog, C, Tcl/Tk, Perl, Ruby, Ruby on Rails, shell scripts, VB, Javascript, AJAX, KLI(Klic), HyperCard, AppleScript.

GRANTS and SCHOLARSHIPS

(NOTE) These Japanese research funds and grants basically do not include personnel expenses.

Apl/2008 – Mar/2011:

“An Implementation of the next generation electronic market based on Electronic Mechanism Design Theory”, 2,500,000 yen, International Communication Foundation (sponsored by KDDI).

Apl/2008 – Mar/2009:

“An Implementation of the next generation electronic market based on Electronic Mechanism Design Theory”, 1,000,000 yen, Artificial Intelligence Research Promotion Foundation.

Apl/2008 – Mar/2009:

“Ensuring Building Technologies for Practical Electronic Markets & Electronic Mechanisms based on Computational Mechanism Design Theory”, 1,000,000 yen, Nakashima Special International Communication Foundation.

Apl/2006 – Mar/2010:

“Design and Implementation of e-Business Support Systems based on Computational Mechanism Design”, 15,400,000 yen. Grants-in-Aid for Scientific Research of the Japan Society for the Promotion of Science, Type: Scientific Research (B).

Apl/2006 – Mar/2007:

“Research Survey on Design of Market / Trading Mechanisms for Information Goods”, 3,400,000 yen. Grants-in-Aid for Scientific Research of the Japan Society for the Promotion of Science, Type: Scientific Research (C).

Apl/2005 – Mar/2009:

“Design and Implementation of Electronic Commerce Mechanisms based on Software Agents”, 15,400,000 yen. Grants-in-Aid for Scientific Research of the Japan Society for the Promotion of Science, Type: Scientific Research (B).

Apl/2005 - Mar/2006:

“Constructing Robust Auction Protocols that avoid Frauds”, 1,000,000 yen. Grants of The Hori Information Science Promotion Foundation.

Apl/2004 – Mar/2005:

“Multiagent Negotiation Mechanisms and their Applications for Ubiquitous Environments”, 3,000,000 yen, Internal Grants of Nagoya Institute of Technology.

Apl/2003 - Mar/2005:

“Cooperative Mechanisms among People and Software Agents for Electronic Commerce”, 3,400,000 yen, Grants-in-Aid for Scientific Research of the Ministry of Education, Culture, Sports, Science and Technology of Japan. Type: Yong Scientists (B).

Jul/2003 – Feb/2004:

“Research Development of An Information Sharing System based on Incentive Discovery”, 9,000,000 yen, Grants of the Information-technology Promotion Agency, Japan.

Jun/2003 – Mar/2004:

“Knowledge Discovery from Large Scale Text Database and its Utilization” 800,000 yen. Grants for Collaboration Research with

INAX corporation.

July/2002 – Mar/2004:

“A Study on Internet Auctions”, 2,000,000 yen, Grants for Collaboration Research with Dr. Makoto Yokoo and Dr. Shigeo Matsubara from NTT Communication Sciences Laboratories.

Sep/2002:

120,000 yen. Grants for Publication of The Research Foundation for the Electro technology of Chubu(REFEC), Japan.

July/2002 - Mar/2003:

“Negotiation Mechanisms among Agents and their Applications for Electronic Commerce”, 910,000 yen, Internal Grants of Japan Advanced Institute of Science and Technology, Type: JSPS Fellows.

July/2002 – Mar/2003

“Group Activity Support Systems based on Awareness Communication Mechanisms and their Applications”, 1,934,000 yen, Internal Grants of Japan Advanced Institute of Science and Technology

May/2002:

250,000 yen, Grants of travel expense of the Ogasawara Science and Technology Promotion Foundation,

Apl/2001 - Mar/2002:

“Cooperative Mechanisms among Agents for WWW-based Electronic Commerce and their Applications”, 3,000,000 yen, Grants-in-Aid for Scientific Research of the Ministry of Education, Science, Sports and Culture of Japan

Apl/1999 - Mar/2001:

“Cooperative Protocols and their Applications in Multi Agent Systems”, 1,800,000 yen, Grants-in-Aid for Scientific Research of the Ministry of Education, Science, Sports and Culture of Japan

Apl/1999 - Mar/2000:

1,500,000 yen. Grants of The Hori Information Science Promotion Foundation.

May/1999:

50,000 yen. Grants for Presentation of The Tokai Regional Section the Institute of Electronics, Information and Communication Engineers (IEICE).

Oct/1998:

170,000 yen. Grants for Travel Expense of The Telecommunications Advancement Foundation(TAF), Japan.

Sep/1998:

40,000 yen. Grants for Publication of The Research Foundation for the Electro technology of Chubu(REFEC), Japan.

Sep/1997:

80,000 yen. Grants for Publication of The Research Foundation for the Electro technology of Chubu(REFEC), Japan.

Apl/1996 - Dec/1998:

About 3,000,000 yen. Scholarship Grant of The Japan Scholarship Foundation.

Awards

Excellence Prize, Nagoya Institute of Technology, Japan. Jan 2008.

The Young Scientists' Prize, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology.
Study on Negotiation Mechanism for Multi-Agent Systems.

Information Processing Society of Japan, Nagao Special Researcher Award, 2007.

On Cooperation and Negotiation Mechanisms based on Computational Mechanism Design.

Nominated for Best Paper Award (JAWS2006)

Hikomitsu Hattori, Takayuki Ito, and Mark Klein, A Bidding-Based Negotiation Protocol for Agents with Nonlinear Utility Functions, Joint Agent Workshops and Symposium 2006 (JAWS-2006), Suzuka, Japan, Oct. 25 - 27, 2006

Best Paper Award, The 5th International Joint Conference on Autonomous Agents and Multi-Agent Systems.

Takayuki Ito, David Parkes, "Instantiating the Contingent Bids Model of Truthful Interdependent Value Auctions", In the Proceedings of the Fifth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2006), 2006.

Selected as Best 5 Teachers (from about 300 faculty members), Nagoya Institute of Technology, Japan.

Best Paper Award 2005, Journal of Japan Society for Software Science and Tecnology (JSSST).

Takayuki Ito, Makoto Yokoo, and Shigeo Matsubara, "The Design of an Auction Protocol under Asymmetric Information on Nature's Selection," Computer Software (The Journal of JSSST), Japan Society for Software Science and Technology (JSSST), Vol.20, No.1, pp.16-26, 2003. (IN JAPANESE)

Super Creator Award of 2004 IPA Exploratory Software Creation Project.

Best Paper Award of the 66th IPSJ National Convention (in top 10 papers that selected from 1,000 papers)

1. Atsushi Isomura, **Takayuki Ito**, Tadachika Ozono, and Toramatsu Shintani: "Implementation of re-schedulable nurse scheduling system based on Dynamic Valued Constraint Satisfaction Problem", In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ) , Information Processing Society of Japan (IPSJ), Mar. 2004.

Best Paper Award for Young Researcher of the 66th IPSJ National Convention x 6 (in top 10 younger researchers' papers that selected from 1,000 papers)

1. **Takayuki Ito** and Toramatsu Shintani, "A Frame Representation Description Method for Knowledge Representation Markup Language KRML and its application", 2004.
2. Noriharu Tashiro, Hiromitsu Hattori, **Takayuki Ito**, and Toramatsu Shintani: "The Framework of Additional Information Sharing on the Web page using Proxy Agent," In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ) , Information Processing Society of Japan (IPSJ), Mar. 2004.
3. Yusuke Hiraoka, **Takayuki Ito**, and Toramatsu Shintani: "MiDoc, paper collection and share system with information mobility", In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ) , Information Processing Society of Japan (IPSJ), Mar. 2004.
4. Hiromitsu Hattori, Mariko Taga, Masaya Suzuki, **Takayuki Ito**, and Toramatsu Shintani: "iPlan: a Support System for Recording Plan Generation among Multi-users," In the Proceedings of the Sixty-sixth Annual Conference of Information Processing Society of Japan (IPSJ) , Information Processing Society of Japan (IPSJ), Mar. 2004.
5. Toshihiro Yamaguchi, **Takayuki Ito**, and Toramatsu Shintani: "Web browser inspection support system which uses 3D drawing technology," In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ), Information Processing Society of Japan (IPSJ), Mar. 2004.
6. Kentaro Nishi, Noriharu Tashiro, **Takayuki Ito**, and Toramatsu Shintani: "Simple web-page creation support system using web-browser", In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ), Information Processing Society of Japan (IPSJ), Mar. 2004.

Nominated for Best Paper Award (top 5 papers were nominated from 129 accepted papers), The 16th International Conference on Industrial and

Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE-2004)

1. Ahelm Ben Hassine, **Takayuki Ito**, and Ho Tu Bao, "Scheduling Meetings with Distributed Local Consistency Reinforcement", In the Proceedings of the 16th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE-2004), pp.679-688, 2004.

The Third Place in the world, RoboCup WorldCup 2001

2. Ranjit Nair, **Takayuki Ito**, Milind Tambe, and Stacy Marsella, Rescue-ISI-JAIST, Rescue Simulation League Robocup WorldCup 2001 Seattle, August 2001.

Silver medal (The Second Place in the world), RoboCup in RoboFesta 2001

3. **Takayuki Ito**, Ranjit Nair, Milind Tambe, and Stacy Marsella, Rescue-JAIST-ISI, RoboCup Rescue Simulation League, RoboFesta'2001 International Robotic Games Festival, July 2001.

Students Research Encouraging Award of The Tokai Regional Section of The Institute of Electronics, Information and Communication Engineers (IEICE), 1997.

Awards (students)

IEEE Student Encouragement Award

Katsuhide Fujita, and Takayuki Ito, "A Proposal on A Negotiation Mechanism based on Distributed Mediators for Multi-Issue Negotiation Problems", The Tokai Regional Section of The Institute of Electronics, Information and Communication Engineers, 2009.

Student Best Paper Award (JAWS2008)

Masao Kobayashi, Tetsushi Ando, and Takayuki Ito, "A Proposal on User Evaluation Methods in Electronic Commerce Networks", Japan Agent Workshop and Symposium (JAWS2008), 2008.

Student Encouragement Award of the 70th IPSJ National Convention, March 15, 2008

Mikito Kobayashi, Fumiaki Minami, Takayuki Ito and Satoshi Tojo, "An Implementation of Dress Recommendation System based on Concept Dictionary", The 70th IPSJ National Convention, March 15, 2008. Katsuhide

Best Student Paper Award, Nov. 7, 2007.

Katsuhide Fujita and **Takayuki Ito**, "An Approach to Implementing A Threshold Adjusting Mechanism in Very Complex Negotiations: A Preliminary Result", In The Proceedings of The 2nd International Conference on Knowledge, Information and Creativity Support Systems (KICSS277), 2007

Young Researcher's Award, The 4th Forum on Information Technology (FIT), Information Processing Society of Japan

- Tokuro MATSUO, Takayuki ITO, Toramatsu SHINTANI, "A Method of Detecting Shill Bidders based on a Comparison of Bidders' Utilities in Combinatorial Auctions",
(IN JAPANESE)

Student Encouraging Award of 66th IPSJ x 4

1. Kentaro Nishi, Tadachika Ozono, **Takayuki Ito**, and Toramatsu Shintani: "Implementation of Push Type Information Sharing Environment on Existing Web Page" In the Proceedings of the Sixty seventh Annual Conference of Information Processing Society of Japan (IPSJ), Information Processing Society of Japan (IPSJ), March, 2005.
2. Noriharu Tashiro, Tadachika Ozono, **Takayuki Ito**, and Toramatsu Shintani: "Web pages of Cooperative Editing using WFE, " In the Proceedings of the Sixty seventh Annual Conference of Information Processing Society of Japan (IPSJ) , 6Y-7, Information Processing Society of Japan (IPSJ), Mar. 2005.
3. Satoshi Watanabe, Tadachika Ozono, **Takayuki Ito**, and Toramatsu Shintani: "An Information Recommendation Using the Change of the Research Topics Based on Word Co-occurrence," In the Proceedings of the Sixty seventh Annual Conference of Information Processing Society of Japan (IPSJ), 1R-3, Information Processing Society of Japan (IPSJ), Mar. 2005.
4. Yuta Nagata, Tadachika Ozono, **Takayuki Ito**, and Toramatsu Shintani: "A method of Black List expansion based on Web structure for Web Filtering", Proc. of the 67th Annual Conference of Information Processing Society of Japan (IPSJ) , Tokyo, Japan, March 2005.

The 20th TELECOM System Technology Award for Student (information: www.taf.or.jp)

- Tokuro MTAUSO, **Takayuki ITO**: "A Group Integration Support System based on Buyers' Multiple Attribute Preferences in Substitute Goods Group Buyings", Transactions of The Institute of Electronics, Information and Communication Engineers (IEICE), Vol. J86-D-I, No.10, pp.762-772, Oct. 2003. (IN JAPANESE)

Student Encouraging Award of 65th IPSJ x 3

1. Noriharu Tashiro, Hiromitsu Hattori, **Takayuki Ito**, and Toramatsu Shintani: "The Framework of Additional Information Sharing on the Web

- page using Proxy Agent,"In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ) , Information Processing Society of Japan (IPSJ), Mar. 2004.
2. Yuta Nagata, **Takayuki Ito**, and Toramatsu Shintani: "Knowledge Market for Knowledge Sharing System based on Reputation",In the Proceedings of the Sixty sixth Annual Conference of Information Processing Society of Japan (IPSJ), Information Processing Society of Japan (IPSJ),Mar.2004.
 3. asaki HYODO, Tokuro MATSUO, **Takayuki ITO**, Susumu KUNIFUJI, "An Optimal Coalition Formation in Electronic Group Buying which established the Individual Reservation Prices",Proc. of the 66th Annual Conference of Information Processing Society of Japan (IPSJ) , Tokyo, Japan, March 2004 .

Student Encouraging Award of 64th IPSJ

- Ohguri Kazuhisa and **Takayuki Ito**, "A Location Information System based on Probabilistic Reasoning in a Group", Proceedings of the 65th Annual Conference of Information Processing Society of Japan (IPSJ), 2003.

Student Research Encouraging Award of 2003 Tokai Section joint Conference of the Institutes of Electrical and Related Engineers

1. Noriharu Tashiro, **Takayuki Ito**, Tadachika Ozono, and Toramatsu Shintani:"Implementing OnLine Direct Editing System for Web-page," In the Record of 2003 Tokai Section joint Conference of the Institutes of Electrical and Related Engineers, pp262, Institutes of Electrical and Related Engineers,Oct.2003.
2. KAWAMURA OSAMU, Tomoharu Hasegawa, **Takayuki Ito**, and Toramatsu Shintani:"Adlib Imitating System, "In the Record of 2003 Tokai Section joint Conference of the Institutes of Electrical and Related Engineers,pp.250, Oct. 2003.

INVITED TALK

Dec 18, 2006: "Technologies and Theories that Flatten the World : E-Commerce algorithms and Auctions", Invited Lecture, N-Cube, Nagoya, Japan.

Oct 25-27, 2006: "AAMAS Best Paper Special Talk: Designing an Interdependent Value Auction", **Joint Agent Workshop & Symposium (JAWS2006)**, Japan.

April 8, 2005: "Designing Auction Protocols under Asymmetric Information on Nature's selection", ECONCS special seminar, **Harvard University**, US.

September 29, 2005: "Designing Auction Protocols under Asymmetric Information on Nature's selection", Invited Seminar, **Canada National Research Council**, Canada.

July 21, 2003: "Agent-mediated Electronic Commerce: Theories and Applications", Invited Seminar, **Wollongong University**, Australia.

PROFESSIONAL ACTIVITIES

2009:

1. Senior Program Committee. The International Joint Conference on Artificial Intelligence (IJCAI 2009).
2. Program Committee, The 3rd International Conference on Knowledge Science, Engineering, and Management (KSEM 2009).
3. Program Committee, ACM-SAC Agreement Technology 2009.
4. Program Committee, The International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2009).
5. Program Committee, International Workshop on Agent-mediated Electronic Commerce (AMEC 2009), 2009.
6. Program Chair, International Conference Principles of Practice in Multi-Agent Systems (PRIMA 2009) 2009.
7. General Chair, International Workshop on Agent-based Complex Automated Negotiations (ACAN 2009) 2009.
8. Lecturer, AAMAS2009 Tutorial on Complex Negotiations for Intractable Problems.
9. Program Committee, The International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2009).
10. Editorial Advisory Board, Communications of SIWN (System and Information Sciences Notes), 2009.
11. Senior Editor, Co-Chair of Intelligent System Group, Journal of Information Processing Society of Japan (IPSJ), 2009-.

2008:

12. Senior Program Committee, The International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2008)
13. General Chair, The First International Workshop on Agent-based Complex Automated Negotiations (ACAN2008)
14. 2008 IFAAMAS Victor Lesser Distinguished Dissertation Award committee, 2008 (2007/11/22-)
15. Guest Editor, International Transactions on Systems Science and Applications
16. Program Committee, International Workshop on Data Engineering Issues in E-Commerce and Services (DEECS2008)
17. Program Committee Vice Chair, International Conference on Web Intelligence (WI2008)
18. Program Committee, Pacific Rim International Conference on Multi-Agents (PRIMA2008)
19. Program Committee, International Workshop on Human Factors and Computational Models in Negotiation (HuCOM 2008)

20. General Chair, International Workshop on Electronic Commerce, Business, and Services (E-CBS 2008)
21. Program Committee, The International Joint Conference on Knowledge Science (IJCKS2008), Dec 2008.
22. Editor, Journal of Japanese Society on Artificial Intelligence (JSAI), 2008-.
23. Program Committee, The International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2008).

2007:

24. Reviewer, International Joint Conference on Artificial Intelligence (IJCAI2007), Jan 2007.
25. Program Committee, ACM International Conference on Electronic Commerce (ACM-EC), 2007.
26. Program Committee, Forum on Information Technology (FIT 2007), 2007.
27. Program Committee, The International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2007), 2007.
28. Program Committee, International Workshop on Data Engineering Issues in E-Commerce and Services (DEECS2007), 2007.
29. Organizing Chair, The 3rd International Workshop on Rational, Robust, and Secure Negotiations in Multi-Agent Systems (RRS2007), Nov 2007.
30. Program Committee, The International Joint Conference on Knowledge Science (IJCKS2007), Nov 2007.
31. Program Committee, The International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2007).
32. Editor, Journal of Information Processing Society of Japan (IPSJ), 2007-2008.

2006

33. Program Chair, The 1st Pacific Rim International Workshop on Electronic Commerce (PRIWEC2006), March/2006.
34. Publications Chair, Organizing Committee, Program Committee, The International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2006), May/2006.
35. Program Committee, Annual Conference of Japan Society for Artificial Intelligence 2006 (JSAI2006), June/2006:
36. Organizing Chair, Organizing Committee, AAMAS2006 International Workshop on Rational, Robust, and Secure Negotiations in Multi-Agent Systems (RRS2006), May 8, 2006.
37. Program Committee, International Workshop on Data Engineering Issues in E-Commerce (DEEC2006), June 26-29, 2006.
38. Program Committee, International Conference on E-business (ICE-B 2006), August 7-10, 2006.
39. A Guest Editor, Special Issue on Negotiation Mechanisms for Multiagent and Grid Resource Management Systems, International Journal of Multiagent and Grid Systems, 2006.

40. Program Committee, CollaboTech2006, 2006.
41. Program Committee, The International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2006).

2005

42. Local Arrangement Chair, Program Committee, International Workshop on Data Engineering Issues in E-Commerce (DEEC2005), April/2005.
43. Program Committee, Annual Conference of Japan Society for Artificial Intelligence 2005 (JSAI2005), June/2005.
44. Program Committee, The International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS2005), July/2005.
45. Organizing Chair, Organizing Committee, AAMAS2005 International Workshop on Rational, Robust, and Secure Negotiations in Multi-Agent Systems (RRS2005), July/2005.
46. Reviewer, The International Joint Conference on Artificial Intelligence (IJCAI2005), Aug/2005.
47. Co-chair, Special Interest Group on Intelligence and Complex Systems, The Information Processing Society of Japan, 2005 - Present.
48. Program Committee, The International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2005).

2000 – 2005

49. Session Chair in The International Workshop on RoboCup Rescue in The International Conference on Multi Agent Systems (ICMAS2000), Jul/2000.
50. Management Committee in The Special Interest Group on Groupware and Network in Information Processing Society of Japan, Apr/2000 - Mar/2005.
51. Session Chair in The International Conference on Software Engineering, Artificial Intelligence, Networking & Parallel/Distributed Computing (SNPD2001), Aug/2000.
52. Program Committee Member in The Special Interest Group on Multi-Agents and Cooperative Computation (MACC) of Japan Society for Software Science and Technology (JSSST), Nov/2000 - Present.
53. Organizer of Special Session in the 10th Workshop on Multi-Agents and Cooperative Computation, Nov/2000.
54. Session Chair in Annual Conference of System Integration Section of The Society of Instrument and Control Engineers (SI 2000), Dec/2000.
55. Local Arrangement Chair of Knowledge Science Symposium 2000, May/2001.
56. Session Chair in 16th Annual Conference on Japan Society for Artificial Intelligence, May/2001.
57. Lecturer of JAIST Summer School on "Introduction to Agent-oriented E-commerce Programming based on Java", Aug/2001.
58. Program Committee Member in Japan Agent Work Shop (JAWS2002), Nov/2001:
59. Guest Editor of Journal of Japan Society of Software Science and

- Technology, Jan/2002.
60. Thesis Committees, Miao Chunyan, Dynamic Inference Agents: From Theory to Practice (2002), School of Computer Engineering, Nanyang Technological University, Singapore, Oct/2002.
 61. Program Committee Member in Japan Agent Work Shop (JAWS2002, 2003, 2004, 2005, 2006, 2007, 2008), Nov/2002- Present:
 62. Guest Editor of Journal of Japan Society for Artificial Intelligence, Nov/2002:
 63. Inviting Researcher as Visiting Fellow in JAIST, Minjie Zhang, Senior Lecturer in Computer Science, School of Information Technology and Computer Science, The University of Wollongong, Australia, Mar/2003.
 64. Program Committee, Session chairs. Organizing Session Chair (2007), The
 65. International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA/AIE 2003- Present). May/2003 - Present:

CAUSES TAUGHT

Causes in Japan Advance Institute of Science and Technology (JAIST)

Oct/2001 – Nov/2002 (Third Quarter):

K615: Advanced Topics on New Generation Knowledge-based Systems.

Jun/2002 – Jul/2002 (Second Quarter):

K212: Methodology on Knowledge-bases (Advanced Java Programming).

Oct/2002 – Nov/2002 (Third Quarter):

K415: Knowledge Systems

Causes in Nagoya Institute of Technology (NIT)

Apr/2003 – Sep/2003:

“Computer Systems”, 2nd grade undergraduate students in dept. of Intelligence and Computer Science.

Apr/2003 – Sep/2003:

“Computer Architectures”, 3rd grade undergraduate students in dept. of Intelligence and Computer Science.

Apr/2003 – Sep/2003:

“Knowledge Systems”, graduate students in Graduate School of Engineering.

Nov/2003 – Mar/2004:

“Intelligence and Computer Science Special Lectures”, 2nd grade undergraduate students in dept. of Intelligence and Computer Science.

Apr/2004 – Sep/2004:

“Computer Architectures”, 3rd grade undergraduate students in dept. of Intelligence and Computer Science.

Apr/2004 – Sep/2004:

“Programming I”, 1st grade undergraduate students of dept. of Intelligence and Computer Science. (NOTE: the num of students is 120).

Apr/2004 – Sep/2004:

“Information Technology”, 1st grade undergraduate students of dept. of Intelligence and Computer Science.

Apr/2004 – Sep/2004:

“Knowledge Systems”, graduate students in Graduate School of Engineering.

Feb/2005 – Feb / 2006:

Visiting Scholar, Harvard University

Visiting Scientist, MIT

Apr/2006 – Sep/2006:

“Intelligent Algorithms”, 3rd grade undergraduate students of dept. of Computer Science.

Apr/2006 – Sep/2006:

“Programming I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2006 – Sep/2006:

“Information Technology I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2006 – March/2006:

“Case Research Seminar”, 1st grade graduate students of School of Techno-Business Administration.

Oct/2006 – March/2006:

“Computer Engineering II”, 2nd grade undergraduate students of dept. of Computer Science.

Oct/2006 – March/2006:

“Electronics and Information core technologies special lecture”, 1st grade graduate students of School of Techno-Business Administration.

Oct/2006 – March/2006:

“Programming II”, 1st grade undergraduate students of dept. of Computer Science.

Oct/2006 – March/2006:

“Information Technology II”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2007 – Sep/2007:

“Intelligent Algorithms”, 3rd grade undergraduate students of dept. of Computer Science.

Apr/2007 – Sep/2007:

“Programming I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2007 – Sep/2007:

“Information Technology I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2007 – March/2007:

“Case Research Seminar”, 1st grade graduate students of School of Techno-Business Administration.

Oct/2007 – March/2007:

“Electronics and Information core technologies special lecture”, 1st grade graduate students of School of Techno-Business Administration.

Apr/2008 – Sep/2008:

“Intelligent Algorithms”, 3rd grade undergraduate students of dept. of Computer Science.

Apr/2008 – Sep/2008:

“Programming I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2008 – Sep/2008:

“Information Technology I”, 1st grade undergraduate students of dept. of Computer Science.

Apr/2008 – Sep/2008:

“Case Research Seminar”, 1st grade graduate students of School of Techno-Business Administration.

Sep/2008 – Aug/2009:

MIT Visiting Scientist

LANGUAGE PROFICIENCY

Japanese (Native)

English (TOEIC score 885, about over 5 year experiences and research collaborations at USC, MIT, and Harvard in U.S.)

AFFILIATED SOCIETIES

Senior Member, Association for Computational Machinery (ACM)
Member, American Association for Artificial Intelligence (AAAI)
Member, Japanese Society for Artificial Intelligence (JSAI)
Member, Information Processing Society of Japan (IPSJ)
Member, The Institute of Electronics, Information and Communication Engineers (IEICE)
Member, Japan Society for Software Science and Technology (JSSST)
Member, Society of Instrument and Control Engineers (SICE)
Member, Japanese Economic Association (JEA)

RESEARCH INTERESTS

Computational Mechanism Design, Auction, Agent-mediated Electronic Commerce, Multi-agent Negotiation, Agent-based Group Decision Support Systems, Truth Maintenance Systems, and Knowledge Representation.

PATENTS / PATENT PENDINGS

1. "Goal-oriented Book Recommendation System" Patent Pending, No. 2007-231026 (Japan Patent Right).
2. "Goods Recommendation System based on observing web-chatting", Patent Pending, No. 2007-276386 (Japan Patent Right).
3. "Cloths Recommendation System based on User's Situation", Patent Pending, No. 2007-312967 (Japan Patent Right).
4. "An Information Sharing System, and A Program and A Method for Facilitating Information Providing for this System", Patent Pending, No. 2004-90505 (Japan Patent Right).
5. "A Decision Support System for Immovable Items Purchasing", Patent Pending, No. 2004-90495 (Japan Patent Right).
6. "An Information Sharing System and A Web-page Editing Program via Web browsers for the system, and A Web-page Editing Method." Patent Pending, No.2004-90494 (Japan Patent Right).
7. "A Bookmark based on 3D Technology and A Web Browsing System that Provides Several Functions", Patent Pending, No. 2004-90506 (Japan Patent Right).
8. "A Direct Web-page Creating and Editing Support System and A Web-page Creating and Editing Method for this System", Patent Pending, No. 2004-90507 (Japan Patent Right).
9. "A Mobile-Agents Information Displaying System and A Location Transparent Manipulation Method for this System", Patent Pending, No. 2004-90508 (Japan Patent Right).
10. "A Nurse Scheduling System that has a re-scheduling function and A Solving Method of Dynamic Weighted Constraint Satisfaction Problems for this System", Patent Pending, No. 2004-****, (Japan Patent Right).

- 11."A Consumers' Knowledge Discovering and Analyzing Method", Patent Pending, No. 2004-****, (Japan Patent Right).
- 12."A Device for Handling Abnormal Situations in Traffic Signals", Patent Pending, No. 2003-201605 (Japan Patent Right).

REFERENCE

Prof. David Parkes (Professor)
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PUBLICATIONS

Takayuki Ito

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