

## CURRICULUM VITAE

Toru Ishida

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### EMPLOYMENT HISTORY

- 2023- Board Member (April 2023-March 2026), Shizuoka University of Art and Culture
- 2022-2024: Dr Kennedy Wong Distinguished Visiting Professor, Department of Computer Science, Hong Kong Baptist University (September 2022-April 2023, September 2023-April 2024).
- 2019-2022: *Professor without Tenure* (April 2019-August 2022), School of Creative Science and Engineering, Waseda University.
- 2018-2022: *Technical Advisor* (April 2019-March 2022), ITP Inc.
- 2019-: Professor Emiretus, Kyoto University
- 1998-2019: *Full Professor* (April 1998-March 2019), Department of Social Informatics, Kyoto University.
- 2018: Visiting Professor, Graduate School of Creative Science and Engineering, Waseda University.
- 2014-2018: *Visiting Professor* (October 2014 - October 2018), XinJiang University.
- 2014-2017: Distinguished Professor of Science, (September 2014 - August 2017), Hong Kong Baptist University.
- 2008- 2013: *Visiting Professor*, National Institute of Informatics.
- 2011 summer: *Visiting Professor* (June 2011 - July 2011), Department of Computer Science, Hong Kong Baptist University.
- 2006-2011: *Project Leader* (April 2006 - March 2011), Language Grid, National Institute of Information and Communications Technology.
- 2002-2009: *Visiting Professor* (December 2002 - November 2005, February 2006 - January 2009), Shanghai Jiao Tong University.
- 2006 summer: *Visiting Professor* (August 2006 - September 2006), Computer Science and Technology Department, Tsinghua University.
- 1998-2005: *Research Professor* (October 1998 - March 2005), NTT Communication Science Laboratories.
- 2003 summer: *Invited Professor*, Laboratoire d'Informatique de Paris 6, Universite Pierre et Marie Curie.
- 2002 summer: *Visiting Professor*, Institute for Advanced Computer Studies, University of Maryland.

- 2000 spring: *Invited Professor*, Laboratoire d'Informatique de Paris 6, Universite Pierre et Marie Curie.
- 1993-1998: *Full Professor* (July 1993), Department of Information Science, Kyoto University.
- 1996 summer: *Guest Professor*, Institut fuer Informatik, Technische Universitaet Muenchen.
- 1991-1993: *Senior Research Scientist*, Supervisor, NTT Communication Science Laboratories
- 1989-1991: *Senior Research Engineer*, Supervisor, NTT Communications and Information Processing Laboratories.
- 1985-1988: *Senior Research Engineer*, NTT Communications and Information Processing Laboratories.
- 1983-1984: *Visiting Scholar*, Department of Computer Science, Columbia University, New York.
- 1978-1982: *Research Engineer*, NTT Yokosuka Electric Communication Laboratories.

## **EDUCATION**

1989.7: Doctor of Engineering in Information Science, Kyoto University, Kyoto.

Dissertation: *Performance Improvement of Production Systems*

1978.3: Master of Engineering in Information Science, Kyoto University, Kyoto.

1976.3: Bachelor of Engineering in Information Science, Kyoto University, Kyoto.

## **AREAS OF INTEREST**

1. Language Services Infrastructure
2. Digital Cities and Intercultural Collaboration
3. Groupware and Communityware
4. Autonomous Agents and Multiagent Systems
5. Problem Solving, Planning and Heuristic Search
6. Parallel and Distributed Computing.

## **PROFESSIONAL ACTIVITIES**

### Association

1. *Member* of the Scientific Council of Web Science Research Initiative, 2008-2011.
2. *Member* of the AAAI Presidential Panel on Long-Term AI Futures, 2008-2009.
3. *Board Member* of the International Foundation on Autonomous Agents and Multiagent Systems, IFAAMAS, 2007-2008.
4. *Board Member* of the International Foundation on Multiagent Systems, IFMAS, 1998-2002, 2004-2006.

#### Journals and Books

1. *Advisory Board* of the Journal of Ambient Intelligence and Smart Environments (JAISE), Springer-Verlag, 2008-.
2. *Editorial Board Member* of Language@Internet! 2008-.
3. *Associate Editor* of IEEE Transactions on Services Computing, 2017-2019.
4. *Editorial Board Member* of Springer Book Series of Cognitive Technologies, Springer-Verlag, 2017-2019.
5. *Associate Editor* of the Journal of Autonomous Agents and Multi-Agent Systems, Kluwer Academic Publishers, 1997-2019.
6. *Associate Editor* of International Journal of Artificial Intelligence Tools, World Scientific, 1996-2017.
7. *Editorial Board Member* of *Designs*, Multidisciplinary Digital Publishing Institute, 2016-2017.
8. *Editorial Board Member* of International Journal of Web Intelligence and Agent Systems, 2002-2014.
9. *Editorial Board Member* of Web Semantics: Journal of Science, Services and Agents on World Wide Web, Elsevier, 2006-2010.
10. *Area Editor* (Artificial Intelligence) of the Journal of Computer Science and Technology, 2007-2009.
11. *Editorial Board Member* of Handbook of Research on Knowledge-Intensive Organization. Information Science Reference, 2008.
12. *Series Editor* of Springer Book Series of Agent Technology, Springer-Verlag, 2001-2006.
13. *Editor-in-Chief* of Web Semantics: Journal of Science, Services and Agents on World Wide Web, Elsevier, 2003-2005.
14. *Editorial Board* of the Journal of Computational & Mathematical Organization Theory, Kluwer Academic Publishers, 1995-2003.
15. *Editorial Board Member* of the Information Society, An International Journal, 1998-2001.
16. *Associate Editor* of IEEE Transactions on Pattern Analysis and Machine Intelligence, 1996-1999.
17. *Editorial Board* of the Journal of Artificial Intelligence Research JAIR, Morgan Kaufmann, 1995, 1996.

#### Conferences

1. *Committee Member* of IFAAMAS Award for Influential Papers in Autonomous Agents and Multiagent Systems, 2013, 2018.
2. *Honorary Chair* of International Conference on Electronic Commerce, Korea, 2016.

3. *Honorary Chair* of German Conference Series MATES on Multiagent System Technologies, 2016.
4. *General Co-Chair* of International Conference on Culture and Computing, 2012, 2013, 2015.
5. *Committee Chair* of IFAAMAS Award for Influential Papers in Autonomous Agents and Multiagent Systems, 2014.
6. *Scientific Committee Member* of Language Resources and Evaluation Conference, LREC, 2008, 2010, 2012, 2014.
7. *Program Committee Member* of International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS, 2014.
8. *Program Co-Chair* of International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS, 2013.
9. *Program Committee Member* of Global Wordnet Conference 2011.
10. *General Co-Chair* of International Conference on Semantics, Knowledge and Grid, SKG, 2011.
11. *Scientific Committee Member* of International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS, 2009-2011.
12. *Conference Co-Chair* of International Conference on Culture and Computing, 2011.
13. *Conference Chair* of International Conference on Culture and Computing, 2010.
14. *Senior Program Committee Member* of International Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2005, 2007, 2010.
15. *Program Co-Chair* of ACM International Conference on Intercultural Collaboration, ICIC, 2010.
16. *Program Committee Member* of IEEE International Conference on Web Services, ICWS, 2009-2010.
17. *Program Committee Member* of IEEE International Conference on Services Computing, SCC, 2009-2010.
18. *Program Committee Member* of IEEE International Conference on Web Services, ICWS, 2010.
19. *Program Committee Member* of Web Science conference, WebSci, 2009-2010.
20. *Program Committee Member* of Fifth International Conference on Computing Sciences: Research, Innovation and Vision for the Future, RIVF, 2007-2010.
21. *Program Committee Member* of IEEE International Conference on Service-Oriented Computing and Applications, SOCA, 2009.
22. *Program Committee Member* of International Conference on Global Interoperability for Language Resources, ICIG, 2008.
23. *Program Committee Member* of International Conference on Intelligent Information Processing, IIP, 2008.
24. *Program Committee Member* of International Conference on Knowledge Science, Engineering and Management, KSEM, 2007.
25. *Program Committee Member* of International Conference on Communities & Technologies,

- C&T, 2005, 2007.
26. *Program Committee Member* of German Conference on Multiagent Systems Technologies, MATES, 2005-2006.
  27. *Program Co-Chair* of International Conference on Semantics, Knowledge and Grid, SKG, 2006.
  28. *General Co-Chair* of International Conference on Intelligent Information Processing, IIP, 2006.
  29. *Program Committee Member* of International Semantic Web Conference, ISWC, 2006.
  30. *International Advisory Committee Member* of International Conference on Knowledge, Information, and Creativity Support Systems, KICSS, 2006.
  31. *Program Committee Member* of World Congress on Social Simulation, WCSS, 2006.
  32. *Doctoral Mentoring Co-Chair* of International Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2006.
  33. *Track Co-Chair* of Fourth International Conference on Computing Sciences: Research, Innovation and Vision for the Future, RIVF, 2006.
  34. *Advisory Board Member*, International Conference on Semantics, Knowledge and Grid, SKG, 2005.
  35. *Program Committee Member* of IFIP International Conference on Intelligent Information Processing, ICIIP, 2004.
  36. *Senior Program Committee Member* of Third International Semantic Web Conference, ISWC, 2004.
  37. *Program Committee Member* of Third International Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2004.
  38. *General Co-Chair* of First International Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2002.
  39. *Senior Program Committee Member* of Fourth International Conference on Autonomous Agents, Agents, 2001.
  40. *Program Vice-Chair* of First International Symposium on Applications and the Internet, SAINT, 2001.
  41. *Program Committee Member* of Second Asia-Pacific Conference on Intelligent Agent Technology, IAT, 2001.
  42. *Program Committee Member* of International Conferences on Info-tech & Info-net, 2001.
  43. *Program Vice-Chair* of 20th International Conference on Distributed Computing Systems, ICDCS, 2000.
  44. *Program Committee Member* of International Conference on Multiagent Systems, ICMAS, 1995-1996, 1998, 2000.
  45. *Advisory Committee Member* of International Conference on Multiagent Systems, ICMAS, 1995-1996.

46. *Program Committee Member* of Fifth European Conference on Planning, ECP, 1999.
47. *Program Committee Member* of Third International Conference on Autonomous Agents, Agents, 1999.
48. *Organizing Committee Member* of International Conference on Computers in Education, ICCE, 1999.
49. *Program Committee Member* of International Conference on Parallel Processing, ICPP, 1999.
50. *Program Committee Member* of International Conference and Exhibition on the Practical Application of Intelligent Agents and Multi-Agent Technology, PAAM, 1996-1999.
51. *Program Committee Member* of First International Conference on Information and Computational Economies, 1998.
52. *Program Vice-Chair* of 18th International Conference on Distributed Computing Systems, ICDCS, 1998.
53. *Program Committee Member* of 15th International Joint Conference on Artificial Intelligence, IJCAI, 1997.
54. *Member* of COP3 Information Support Committee of Kyoto, 1997
55. *Technical Program Committee Member* of IEEE Infocom, Infocom-97, 1997.
56. *Program Co-Chair* of the International Conference on Multiagent Systems, ICMAS, 1996.
57. *Program Committee Member* of National Conference of Artificial Intelligence, AAAI, 1996.
58. *Advisory Committee Member* of International Conference on Multiagent Systems ICMAS, 1995, 1996.
59. *Program Committee Member / Video Track Chair* of 13th International Joint Conference on Artificial Intelligence, IJCAI, 1993.
60. *Program Committee Member* of International Conference on Distributed Computing Systems, ICDCS, 1992.

#### Symposiums and Workshops

1. *Organizing Committee Member* of IJCAI/ECAI/AAMAS/ICML International Workshop on Massively Multiagent Systems, 2018.
2. *Program Committee Member* of The first International workshop on Social Intelligent Agent Technology (SIAT), 2014.
3. *Program Committee Member* of Workshop on Computers as Social Actors, Intelligent Virtual Agents (IVA), 2013.
4. *Program Co-Chair* of the First Inter-university Symposium on Field Based Design. Guest University: Hong Kong Baptist University (HKBU), 2013.
5. *Program Committee Member* of AAMAS Workshop on Emotional and Empathic Agents, 2012.
6. *Program Committee Member* of Workshop on Digital Cities, 1999, 2001, 2003-2004, 2010-

2011.

7. *Advisory Committee Member* of International Symposium on Collaborative Technologies and Systems, CTS, 2006-2011.
8. *Organizing Committee Member* of CTS 2010 workshop, CMAS: When Collaborative Technologies Meet Multi-Agent Systems, 2010.
9. *Program Committee Member* of International Workshop on Massively Multi-Agent Systems: Models, Methods and Tools, MMAS, 2009.
10. *Program Co-Chair* of International Workshop on Intercultural Collaboration, IWIC, 2007, 2009.
11. *Program Committee Member* of First International Conference on Social Informatics, 2009.
12. *Steering Committee Member* of International Conference on Principle of Practices in Multi-Agent Systems, PRIMA, 2009.
13. *Steering Committee Member* of International Conference on Multi-Agents, PRIMA, 2007-2008.
14. *Program Committee Member* of ASWC 2008 Workshop on Collective Intelligence, 2008.
15. *Program Committee Member* of International Workshop on Cooperative Information Agents, CIA, 1998-1999, 2002-2004, 2006, 2008.
16. *Program Committee Member* of Workshop on Culture and Collaborative Technology, International Symposium on Collaborative Technologies and Systems, CTS, 2008.
17. *Program Committee Member* of International Workshop on Coordination and Control in Massively Multi-Agent Systems, CCMMS, 2007-2008.
18. *Planning Committee Member* of Pacific Rim International Workshop on Multi-Agents, PRIMA, 1999-2006.
19. *Program Committee Member* of Central and Eastern Europe Workshop on Multiagent Systems, CEEMAS, 2001, 2003, 2005, 2007.
20. *General Chair* of Pacific Rim International Workshop on Multi-Agents, PRIMA, 2006.
21. *Program Committee Member* of International Workshop on Massively Multiagent Systems, 2006.
22. *Organizing Committee Member* of International Workshop on Agent Technology for Disaster Management, ATDM, 2006.
23. *Program Committee Member* of Services Track of International Conference on Mobile Ubiquitous Systems, Mobiquitous, 2005.
24. *Program Committee Member* of German Conference on Multiagent Systems Technologies, MATES, 2005.
25. *Program Committee Member* of AAMAS Workshop on Programming Multi-Agent Systems: Languages and Tools, ProMAS, 2004-2005.
26. *Program Co-Chair* of China-Japan Symposium on Exploratory Software, Beijing 2004, Shanghai 2005.

27. *Program Co-Chair* of International Workshop on Massively Multiagent Systems, 2004.
28. *Symposium Chair* of JST Symposium on Digital City Design, 2004.
29. *Program Committee Member* of International Workshop on Monitoring, Security, and Rescue Techniques in Multiagent Systems, MSRAS, 2004.
30. *Program Committee Member* of AAMAS Workshop on Declarative Agent Languages and Technologies (DALT), 2003.
31. *Program Committee Member* of AAMAS Workshop on Agentcities: Challenges in Open Agent Environments, 2002-2003.
32. *Workshop Co-Chair* of IEEE International Workshop on Knowledge Media Networking, 2002.
33. *Organizing Committee Member* of Americas School on Agents and Multiagent Systems, 2002.
34. *Chair* of International Workshop / Symposium on Digital Cities, 1999, 2001.
35. *Program Co-Chair* of Sixth International Computer Science Conference: Active Media Technology, 2001.
36. *Program Committee Member* of JSAI-Synsophy International Workshop on Social Intelligence Design, 2001.
37. *Program Committee Member* of International Workshop on Agent Technologies over Internet Applications, ATIA-01, 2001.
38. *Program Co-Chair* of International Workshop on Cooperative Information Agents, CIA-01, 2001.
39. *Organizing Committee Member* of Trading Agent Competition, 2000.
40. *Program Committee Member* of Directions and Implications of Advanced Computing Symposium, DIAC-00, 2000.
41. *Co-Organizer* of French Japan Workshop on Distributed Objects and Agents on the Internet, 2000.
42. *Planning Committee Chair* of Pacific Rim International Workshop on Multi-Agents, PRIMA, 1999, 2000.
43. *Program Committee Member* of Workshop on Intelligent Agents for Telecommunications Applications, IATA, 1998-1999.
44. *Co-Organizer* of IEEE Workshop on Social Aspects of Knowledge and Memory, 1999.
45. *Organizing Committee Member* of AAAI Spring Symposium Series on Satisficing Models, 1998.
46. *Organizing Committee Member* of International Workshop on Multi-Agent Systems, IWMA-98, 1998.
47. *Program Chair* of First Pacific Rim International Workshop on Multi-Agents, PRIMA-98, 1998.
48. *Chair* of the Kyoto Meeting on Social Interaction and Communityware, 1998.
49. *Co-Organizer* of Fifteenth International Joint Conference on Artificial Intelligence, IJCAI-97 Workshop on Social Interaction and Communityware, 1997.
50. *Co-Organizer* of National Conference of Artificial Intelligence, AAAI-97 Workshop on On-Line



Search, 1997.

51. *Co-Organizer* of International Conference on Multiagent Systems, ICMAS-96 Workshop on Learning, Interaction and Organizations in Multiagent Environments, 1996.
52. *Co-Organizer* of European Conference on Artificial Intelligence, ECAI-96 Workshop on Learning in Distributed Artificial Intelligence Systems, 1996.
53. *Advisory Committee Member* of AAAI International Workshop on Distributed Artificial Intelligence, DAIWS, 1990, 1992-1994.
54. *Co-Organizer* of International Joint Conference on Artificial Intelligence, IJCAI-91 Workshop on Advances in Interfacing Production Systems with the Real World, 1991.

### **MEMBERSHIPS**

1. Asia-Pacific Artificial Intelligence Association (AAIA) Fellow from 2023.
2. The Institute of Electronics, Information and Communication Engineers (IEICE) Fellow from 2008.
3. The Information Processing Society of Japan (IPSJ) Fellow from 2005.
4. The Institute of Electrical and Electronics Engineers, Inc. (IEEE) Fellow from 2002.
5. The Association for Computing Machinery (ACM).
6. The Japanese Society of Artificial Intelligence (JSAI).
7. The American Association for Artificial Intelligence (AAAI).
8. Japan Society for Software Science and Technology (JSSST).
9. The Japan Association for Social Informatics (JASI)

### **SUPERVISED PHD THESIS**

1. Arbi Haza Nasution. *Bilingual Lexicon Induction Framework for Closely Related Languages*. September, 2018.
2. Shinsuke Goto. *Modeling and Designing Crowdsourcing Workflow for Complex Tasks*. March, 2017.
3. Xun Cao. *Understanding and Supporting Listening Comprehension of Non-native Speakers*. March, 2017.
4. Kemas Muslim Lhaksmana. *Multiagent Systems for Robust IoT Services*. September, 2016.
5. Zhou Xin, *Robust Reputation System for Web Services*. September, 2016.
6. Mai Xuan Trang, *Policy-Aware Parallel Execution of Composite Services*. March, 2016.
7. Amit Pariyar. *Supporting Consistencies in Multi-Language Knowledge Sharing*. September, 2015.

8. Mairidan Wushouer. *Pivot-Based Bilingual Dictionary Creation for Low-Resource Languages*. March, 2015.
9. Chunqi Shi. *User-Centered Design of Translation Systems*. September, 2013.
10. Ari Hautasaari. Supporting Multilingual and Intercultural Communication with Language Services - Activity Theory Approach. March, 2013.
11. Arif Bramantoro. *Composing and Organizing Language Services*. March, 2011.
12. Makoto Nakatsuji. *Modeling and Predicting User Interests based on Taxonomy*. September, 2010.
13. Cho Heeryon. *Analysis of Cultural Differences in Pictogram Interpretations*. March, 2009.
14. Masahiro Tanaka. *Composing and Supervising Language Services on the Internet*. March, 2009.
15. Yuu Nakajima. *Outdoor Evacuation Experiment Augmented by Massively Multiagent Simulation*. March, 2009.
16. Donghui Lin. *Modeling and Coordination in Interorganizational Workflow*. September, 2008.
17. Naomi Yamashita. *Analyses of Machine Translation Mediated Communication*. September, 2006.
18. Yohei Murakami. *Protocol Design Using Participatory Simulation*. March, 2006.
19. Daisuke Torii. *Modeling Agents and Interactions for Social Simulation*. March, 2006.
20. Tomoko Koda. *Analysis of the Effects of Lifelike Characters on Computer-mediated Communication*. March, 2006.
21. Saeko Nomura. *Analyses of Academic Communities Using Information on the Web*. January, 2004.
22. Masayuki Okamoto. *Design and Applications of Learning Conversational Agents*, March, 2003.
23. Takayuki Kanda. *A Constructive Approach for Communication Robots*, March, 2003.
24. Satoshi Oyama. *Query Refinement for Domain-Specific Web Search*. March, 2002.
25. Takushi Sogo. *Localization of Sensors and Objects in Distributed Omnidirectional Vision*. September, 2001.
26. Hideyuki Nakanishi. *Design and Analysis of Social Interaction in Virtual Meeting Space*. March, 2001.
27. Masashi Shimbo. *Real-Time Search with Nonstandard Heuristics*. March, 2000.
28. Hirofumi Yamaki. *Market-Based Control for Quality of Services in Network Applications*. September, 1999.

## AWARDS

1. 2016, International Conference on Collaboration Technologies (CollabTech) Best Paper Award.

- Xun Cao, Naomi Yamashita and Toru Ishida. How Non-Native Speakers Perceive Listening Comprehension Problems: Implications for Adaptive Support Technologies.
2. 2015, 12th IEEE International Conference on Services Computing (SCC) Best Paper Award.  
Mai Xuan Trang, Yohei Murakami, Toru Ishida. Policy-Aware Optimization of Parallel Execution of Composite Services.
  3. 2014, Distinguished Professor of Science, Hong Kong Baptist University.
  4. 2010, PRIMA Distinguished Service Award.
  5. 2010, ACM Recognition of Service Award.
  6. 2010.05, Autonomous Agents and Multi Agent Systems Influential Paper Award.  
Makoto Yokoo, Edmund H. Durfee, Toru Ishida, and Kazuhiro Kuwabara. The Distributed Constraint Satisfaction Problem: Formalization and Algorithms. *IEEE Transactions on Knowledge and Data Engineering*, Vol. 10, pp. 673-685, 1998.
  7. 2009.12, Best Multimedia Paper Award.  
Shohei Yamane, Shoichi Sawada, Hiromitsu Hattori, Marika Odagaki, Kengo Nakajima, and Toru Ishida. Participatory Simulation Environment gumonji/Q: A Network Game Empowered by Agents. *International Conference on Principles of Practice in Multi-Agent Systems (PRIMA-09), Lecture Notes in Artificial Intelligence*, 5925, Springer-Verlag, 2009.
  8. 2006, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology
  9. 2006, Best Paper Award.  
Yichuan Jiang, Toru Ishida. Concurrent Agent Social Strategy Diffusion with the Unification Trend. *Pacific Rim International Workshop on Multi-Agents (PRIMA-06), Lecture Notes in Artificial Intelligence*, 4088, Springer-Verlag, pp. 256 - 268, 2006.
  10. 2003, Runner-up of Best Paper Award  
Hideyuki Nakanishi, Satoshi Nakazawa, Toru Ishida, Katsuya Takanashi and Katherine Isbister. Can Software Agents Influence Human Relations? Balance Theory in Agent-mediated Communities. *International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-03)*, 2003.
  11. 2002, IEEE Fellow. For Contributions to Autonomous Agents and Multiagent Systems.

## INVITED PAPERS AND TALKS

### International Journals

1. Toru Ishida and Hiromitsu Hattori. Participatory Technologies for Designing Ambient Intelligence Systems. *Journal of Ambient Intelligence and Smart Environments*, IOS Press, Vol. 1, pp. 39-45, 2009.

2. Real-Time Search for Autonomous Agents and Multi-Agent Systems. *Journal of Autonomous Agents and Multi-Agent Systems*, Kluwer Academic Publishers, Vol. 1, pp. 139-167, invited paper, 1998.
3. Towards Communityware. *New Generation Computing*. Vol. 16, No. 1, pp. 5-21, invited paper, 1998.

#### Conferences

1. Experiences in Interdisciplinary Design Education. *International Conference on Planning and Design (ICPD)*, Renaissance and Innovation: The Future of Design Education, keynote talk, National Cheng Kung University, Tainan, Taiwan, May 29, 2019.
2. The Language Grid for Supporting Intercultural Collaboration. *International Conference on Data and Information Science (ICoDIS)*, keynote talk, Telkom University, Bandung, Indonesia, December 5, 2017.
3. The Language Grid Project. *Language Grid Symposium 2016*, Kyoto University, project report, December 9, 2016.
4. Intercultural Collaboration as a Multi-Agent System. *Conference on Technologies and Applications of Artificial Intelligence*, keynote talk, National Tsing Hua university, Hsinchu, Taiwan, November 26, 2016.
5. Intercultural Collaboration: Human-Aware Research on Multiagent Systems. *International Conference on Principle and Practices in Multi-Agent Systems*, keynote talk, August 22, 2016.
6. Service Design through Intercultural Collaboration. *International Conference on Electronic Commerce*, Suwon, invited talk, August 18, 2016.
7. The Language Grid: Past, Present, and Future. *The Second International Workshop on Worldwide Language Service Infrastructure*, invited talk, January 23, 2015.
8. Intercultural Collaboration over the Language Grid. *The Third ASE International Conference on Social Informatics (SocialInformatics 2014)*, Harvard University, December 14, invited talk, 2014.
9. Bringing Informatics to Design. *International Conference on Semantics, Knowledge and Grid, (SKG-12)*, Beijing, keynote talk, October 22, 2012.
10. Language Grid Revisited: An Infrastructure for Intercultural Collaboration. *International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS-12)*, Salamanca, invited talk, March 29, 2012.
11. From AI to Collective Intelligence, *International Conference on Semantics, Knowledge and Grid, (SKG-11)*, Beijing, theme talk, October 25, 2011.
12. The Language Grid: Creating Customized Multilingual Environments. *The Second International Conference on Global Interoperability for Language Resources (ICGL-10)*, Hong Kong, invited

talk, January 19, 2010.

13. The Language Grid: Service-Oriented Collective Intelligence for Intercultural Collaboration. *IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT-08)*, Sydney, Australia, invited talk, December 9-12, 2008.
14. The Language Grid for Intercultural Collaboration, *6th International Conference on Creating, Connecting and Collaborating through Computing (C5-08)*, keynote talk, January 14-16, 2008.
15. Language Grid Technologies for Intercultural Collaboration, *5th International Conference on Research, Innovation and Vision for the Future (RIVF-07)*, keynote talk, 2007.
16. Use of the Language Grid for Collaborative Work, *International Conference on Semantics, Knowledge and Grid (SKG-06)*, theme talk, November 2, 2006.
17. Multiagent Simulation Meet the Real-World, *Joint Conference on Harmonious Human Machine Environment (HHME-06)*, invited talk, October 31, 2006.
18. Language Grid: An Infrastructure for Intercultural Collaboration. *IEEE/IPSJ Symposium on Applications and the Internet (SAINT-06)*, keynote speech, Jan 25, 2006.
19. Intercultural Collaboration Using Machine Translation. *10th Machine Translation Summit (MT Summit X)*, invited talk, September 15, 2005, Phuket, Thailand.
20. Information, Interface and Interaction in Digital Cities. *International Conference on Digital Archive Technologies (ICDAT-05)*, invited talk, June 16-17, 2005, Taipei, Taiwan.
21. Giga Navigation: Navigation for Millions. *IFIP International Conference on Intelligent Information Processing (ICIIP-04)*, invited talk, October 21-23, 2004, Beijing, China.
22. Towards Communityware. *International Conference and Exhibition on the Practical Application of Intelligent Agents and Multi-Agent Technology (PAAM-97)*, invited talk, April 21-23, 1997, London, UK.
23. Parallel, Distributed and Multi-Agent Production Systems: A Research Foundation for Distributed Artificial Intelligence. *International Conference on Multi-Agent Systems (ICMAS-95)*, invited talk, June 11-14, 1995, Hilton Hotel, San Francisco, USA.

#### Symposiums and Workshops

1. How Machine Translation Helps Intercultural Collaboration - Experiences in Agricultural Support in Vietnam. *The Second Workshop on Multi-Language Processing in a Globalising World and The First Workshop on Multilingualism at the Intersection of Knowledge Bases and Machine Translation (MLP-MomenT, LREC 2018)*, invited talk, May 12, 2018.
2. Digital City, Smart City and Beyond. *International ACM Smart City Workshop (AW4City), International World Wide Web Conference*, Perth, keynote talk, April 3, 2017.
3. Create a New Circle of Science, Engineering and Design: Introduction to Kyoto University Design School. *International Design Symposium in Kyoto*, March 17, 2017.

4. Intercultural Collaboration over the Language Grid. *MAPLEX 2015*, Tendo, keynote talk, February 9, 2015.
5. Multi-Language Knowledge Communication in YMC-Viet. *Vietnam-Japan International Workshop on Youth Mediated Communication*, Hanoi, January 7, 2014.
6. World-wide Sustainable Language Grid. *The First International Workshop on Worldwide Language Service Infrastructure*, Kyoto, October 13, 2013.
7. Overall Program Structure. *International Design Symposium in Kyoto*, March 15, 2013.
8. Designing a Design School, Research *Symposium Celebrating Centenary of Alan Turing's Birth: Promises and Challenges of Future Computing and Informatics*, Hong Kong, December 4, 2012.
9. Bringing Informatics to Design. *HKBU-Kyoto University Workshop on Field Informatics*, Hong Kong, March 5, 2012.
10. Federated Operation for Service-Oriented Language Resource Sharing. FLaReNet Forum, February 12, 2010.
11. Participatory Technologies for Designing Ambient Intelligence Systems. *Ambient Intelligence Forum 2009*, keynote lecture, September 16-18, Hradec Králové Czech Republic, 2009.
12. Service-Oriented Collective Intelligence for Intercultural Collaboration. *The First Tsinghua-Kyoto Symposium on Intelligent Technologies and Information Management for Knowledge Society*, August 31, Tsinghua University, China, 2009.
13. Language Service Computing for Multicultural Society. *TTC (The Telecommunication Technology Committee) Meeting on ICT Promotion and Development for Rural Area*, August 22, 2008.
14. Language Infrastructure for Multicultural Community. *Minds and Societies*, Université du Québec à Montréal, July 3, 2008.
15. Redefining Community Computing. *International Workshop on Community Computing (CommCom2007)*, *International Symposium on Ubiquitous Computing Systems*, invited talk, November 25, Japan, 2007.
16. Agent and Grid Technologies for Intercultural Collaboration. *Pacific Rim International Workshop on Multi-Agents (PRIMA-06)*, invited talk, August 7, China, 2006.
17. Language Grid: An Infrastructure for Intercultural Collaboration. 15th German-Japanese Forum on IT On-line Registration Form, November 1, 2005
18. Using Machine Translation for Asia-wide Collaboration. *First International Symposium on Information and Language Processing*, Kyoto, February 22, 2005.
19. Scenario Description for Multiagent Systems. *China Agent Systems School*, China, December 14, 2004.
20. Society-Centered Design for Socially Embedded Multiagent Systems. *International Workshop on Cooperative Information Agents (CIA-04)*, invited talk, September 27, Germany, 2004.

21. Multiagent Simulation for Crisis Management. *International Pacific-Rim Workshop on Multi-Agents (PRIMA-04)*, invited talk, August 9, New Zealand, 2004.
22. Crisis Management Simulation in Digital Cities. *The Third International Workshop on Agent-based Approaches in Economic and Social Complex Systems (AESCS-04)*, invited talk, March 27, Kyoto, 2004.
23. Towards Participatory Simulation in Digital City. *Asia Broadband Symposium on Digital City Collaboration*, invited talk, March 19, Peking University, 2004.
24. Grounding Digital Cities in the Real World. *International Symposium on Ubiquitous Computing Systems (UCS 2003)*, keynote presentation, November 17, Kyoto, 2003.
25. From Virtual to Real: A New Trend in Digital City Technology. *Science and Technology Forum of 5th Shanghai International Industry Fair*, keynote lecture, November 7, Shanghai, 2003.
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2. Mondheera Pituxcoosuvann, Yohei Murakami, Donghui Lin, Toru Ishida. Effect of Cultural Misunderstanding Warning in MT-Mediated Communication. *26th International Conference on Collaboration Technologies and Social Computing (CollabTech 2020)*, 2020.
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