

Shin'ichi Konomi

CONTACT INFORMATION

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EDUCATION

April 1989 - March 1991. Department of Computer Science and Communication Engineering, Graduate School of Engineering, Kyushu University (Master's Course)

April 1985 - March 1989. Department of Computer Science and Communication Engineering, Faculty of Engineering, Kyushu University

April 1982 - March 1985. Chikushigaoka High School, Fukuoka (General Course)

DEGREES

PhD in Computer Science (Kyoto University; March 23, 1996; No. 12320)

MEng in Computer Science and Communication Engineering (Kyushu University; March 27, 1991; No. 6370)

BEng in Computer Science and Communication Engineering (Kyushu University; March 27, 1989; No. 18622)

PROFESSIONAL EXPERIENCE

April 2018 - present. Professor of School of Interdisciplinary Science and Innovation, Kyushu University

April 2017 - present. Professor in Faculty of Arts and Science, Kyushu University

April 2017 - March 2022. Director of Learning Analytics Center in Faculty of Arts and Science, Kyushu University

April 2016 - March 2017. Project Associate Professor in Center for Spatial Information Science, The University of Tokyo

November 2010 - March 2016. Associate Professor in Center for Spatial Information Science, The University of Tokyo

September 2011 - October 2011. Visiting Professor, School of Computer Science, Wuhan University, China

April 2009 - November 2010. JST/CREST Project Research Associate Professor in School of Science and Technology for Future Life, Tokyo Denki University

September 2007 - March 2009. Research Associate Professor in Center for Spatial Information Science, The University of Tokyo

July 2006 - March 2007. Research Fellow in Center for Spatial Information Science, The University of Tokyo

April 2007 - August 2007. Specially Appointed Faculty Member in Center for Spatial Information Science,

The University of Tokyo

May 2005 - June 2006. Senior Research Associate in Center for LifeLong Learning and Design (L3D), University of Colorado at Boulder

April 2003 - April 2005. Resident Research Scientist in Center for LifeLong Learning and Design (L3D), University of Colorado at Boulder

October 2002 - March 2003. COE Research Scientist in Department of Social Informatics, Kyoto University (ALAN-K Project)

September 1999 - September 2002. Resident Research Scientist in Center for LifeLong Learning and Design (L3D), University of Colorado at Boulder

September 1997 - August 1999. Postdoctoral Research Scientist in Integrated Publication and Information Systems Institute, German National Research Center for Information Technology (GMD)

April 1994 - August 1997. Research Associate in Department of Information Science, Kyoto University

April 1992 - March 1994. Research Associate in Computer Center, Kyushu University

April 1991 - March 1992. Research Associate in Department of Computer Science and Communication Engineering, Kyushu University

PROFESSIONAL AFFILIATIONS

Association for Computing Machinery (ACM)

IEEE Computer Society

GIS Association of Japan

Information Processing Society of Japan (IPSJ)

The Database Society of Japan (DBSJ)

The Institute of Electronics, Information, and Communication Engineers (IEICE)

SELECTED HONORS AND AWARDS

Best Short Paper Award of the 2017 European Conference on Ambient Intelligence (Aml 2017), 26-28, April, 2017, Malaga, Spain: Shin'ichi Konomi, Tomoyo Sasao, Simo Hosio, Kaoru Sezaki, Exploring the Use of Ambient WiFi Signals to Find Vacant Houses.

Best Paper Award of the 4th International Conference on Distributed Ambient and Pervasive Interactions in the Context of HCI International 2016, 17-22 July 2016, Toronto, Canada: Tomoyo Sasao, Shin'ichi Konomi, The Use of Historical Information to Support Civic Crowdsourcing.

Best Paper Award of the 1st International Conference on Distributed Ambient and Pervasive Interactions in the Context of HCI International 2013, 21-26 July 2013, Las Vegas, Nevada, USA: Shin'ichi Konomi, Kenta Shoji, Wataru Ohno, Rapid Development of Civic Computing Services: Opportunities and Challenges.

Member of the Year Award in 2004 of the Center for LifeLong Learning and Design (L3D) at the University of Colorado at Boulder.

Best Scientific-Technical Project in 1999 of GMD (German National Research Centre for Information Technology with eight institutes in three different cities; since 2001 merged with Fraunhofer Society): Norbert A. Streitz, Shin'ichi Konomi, Christian-Mueller Tomfelde, Peter Seitz, i-LAND: An interactive Landscape for Creativity and Innovation.

INVITED TALKS

Rikkyo University Public Lecture "Using ICT for Improving Education and Exploring the Potential of Learning Analytics in the Future", Friday, March 11, 2022, 15:00-18:00, Online (Tokyo): Current Status and Future Possibilities of Learning Analytics

Fall Research Forum of the Operational Research Society of Japan (Special Talk), September 16, 2021, Online (Fukuoka): Opportunities and Challenges of Learning Analytics

National Institute for Educational Policy Research, March 3, 2020, Tokyo: Use Cases of Learning Analytics at Kyushu University and Their Extensions beyond Universities.

Workshop of Human Centered Design Approach in Digitalization Age. Hiroshima, Japan: Learning Analytics for All: Opportunities and Challenges (keynote)

The 7th Asian Workshop on Smart Sensor Systems, Munakata, March 24-26, 2019: Learning Analytics for All: Opportunities and Challenges.

"ICT x Education x Connections to Society" Symposium, Fukuoka, February 5-6, 2019: Towards learning analytics environments in super-aged societies.

Gerontechnology Symposium 2018, Kuala Lumpur, September 14, 2018: Technology-Enhanced Learning Environments for Older Adults (keynote)

International Symposium on Learning Analytics And Adaptive Aids for Active Adults At All Ages (LA9), Fukuoka, March 15-16, 2018: Extending Learning Analytics to Support Active Adults at All Ages.

Micro Geo Data Workshop, 2014, Kasugai: Active Micro-tasking Using Smartphone Context

University of Athens, 2014, Athens: Supporting Smart Citizen Participation

Urban Infrastructure Service Seminar, 2014, Tokyo: Mobile Context-Aware Crowdsourcing

CSIS Workshop on Urban Computing, Mapping, and Sciences, 2014, Kashiwa: Leveraging the Power of Crowds to Create Ubiquitous Catalysts for Smart Actions

Dagstuhl Workshop on Crowdsourcing, 2013, Dagstuhl: Supporting Exploration and Rapid Development by Citizens to Collect the Right Information through Crowd Sensing

IIS-CSIS Symposium, 2013, Tokyo: Development and Applications of Participatory Place Information Systems

ICA Workshop on Ubiquitous Mapping in Mid Summer in Kashiwa City, July 28, 2012, Kashiwa: Sensing in Context

The 1st GRENEcoH International Workshop, March 27, 2012, Tokyo: Activities of IT support team – Ubi-Comp Tools for Scientists: A Preliminary Exploration –

The 1st Annual International Congress of u-World, 2011, Dalian: Smart Urban Spaces That Make Us Smart

Wuhan University, 2011, Wuhan: Human-Centric and Data-Centric Urban Computing

The 3rd Asia-Europe Workshop on Ubiquitous Computing (AEWUC 2010), May 16, 2010, Helsinki: Ubiquitous Computing, Sensing, and Data Management in the OSOITE Project

The 2nd Asia-Europe Workshop on Ubiquitous Computing 2009 (AEWUC'09), August 3-4, 2009, Shizuoka: Opportunities and Challenges of Supporting Mobile Collaboration Using Sensors: Lessons Learnt from a Preliminary Field Trial of Askus

Finnish-Japanese Workshop on Ubiquitous Computing and Urban Lives (FJWUU 2009), March 11, 2009, Tokyo and Oulu (teleconference): Real-world Sensing and Human Probes Using RFIDs

Invited Discussant at the European Research Consortium for Informatics and Mathematics (ERCIM) Tokyo Workshop – The 3rd Interlink-Workshop on Ambient Computing and Communication Environments, Tokyo, June 18-20, 2008

International Symposium on Networked Sensing, Urban Lives, and Human Probes, June 18, 2008, Tokyo: Sensing and Supporting Encounters in a City

Seminar of Spatial Information Science, December 12, 2007, Tokyo: Supporting Meaningful Encounters in RFID-tagged Spaces

CSIS Workshop on LBS, November 5, 2007, Tokyo: Supporting Meaningful Encounters with People and Information Using RFID and LBS

University of Tokyo (Electronics and Informatics), 2007: Urban Computing: Encounters and Information Sharing.

Tutorial on New Science and Technology, 2007, Tokyo: Infrastructural Technologies for RFID Positioning, Safety and Peace of Mind

Hitachi, 2006, Totsuka: Integration of Usage Environments and Data Spaces in Ubiquitous Computing

The 1st Urban Space and Information Design Workshop, 2006, Kashiwa: The Right Information at the Right Place at the Right Time in the Right Way to the Right People

Kyushu Institute of Technology, 2006, Itzuka: Integration of Usage Environments and Data Spaces

Invited Demo Presentation at the Seventh International Conference on Mobile Data Management (MDM'06), May 9-12, 2006, Nara: DeaiExplorer: a Social Network Display for Academic Conferences

ACM SIGMOD Japan Chapter Lecture, 2006, Tokyo: Integration of Usage Environments and Data Spaces in Ubiquitous Computing

University of Colorado (Computer Science), 2006: Context Awareness and Privacy in Collaborative Environments

Invited Demo Presentation at the Sixth International Conference on Web Information Systems Engineering (WISE 2005), November 20-22, 2005, New York City: DeaiExplorer

University of Colorado (Computer Science), 2005: Context Awareness and Privacy in Collaborative Environments

University of Colorado (CU CSCI Colloquium), 2004, Boulder: RFID, Privacy and Information Sharing

Palo Alto Research Center (PARC), 2004, Palo Alto: Supporting Lightweight Articulation of User Needs in Ubiquitous Computing Environments

Invited Talk at L3D Colloquium on Meta-Design, April 16, 2004, Boulder

University of Colorado (Computer Science), 2004: Context Awareness in Collaborative Environments

Ricoh Software Research, 2003, Tokyo: Smart Information Sharing Using Physical Entities in Ubiquitous Computing Environments

Classroom Towards the Future, 2003, Kyoto: ALAN-K Project: Report on the Activities in Kyoto (Also, served as the consecutive interpreter for Dr. Alan Kay)

The 22nd Convention of ACM SIGMOD Japan Chapter, 2002, Tokyo: The Shift Towards Ubiquitous Computing and New Issues of Information Environments - the Increasing Importance of Ubiquitous Databases -

Kansai Silicon Valley Venture Forum, 2002, Osaka: QueryLens: Information Sharing in Ubiquitous Computing Environments — How Should We Deliver Useful Information That Considers Users' Needs and Wants —

IPA Technology Expo, 2002, Tokyo: Personalization for Mobile Devices Using QueryLens Filter — How Should We Deliver Useful Information That Considers Users' Needs and Wants —

International Symposium on Social Creativity, June 5-9, 2002, Breckenridge: Information Sharing Using Handhelds

Sony CSL, 2002, Tokyo: Personalization for Mobile Devices Using QueryLens Filter

NEC Central Research Labs, 2002, Kawasaki: QueryLens: Realization of Ubiquitous Query Database Environments Using Mobile Devices

IPA Technology Expo, 2001, Tokyo: QueryLens: Realization of Ubiquitous Query Database Environments Using Mobile Devices

Invited Poster Presentations at Coleman Institute for Cognitive Disabilities Workshop, October 14-15, 2001, Aspen

HP Labs, 2001, Palo Alto: QueryLens Project

FileMaker, 2001, Santa Clara: QueryLens Project

The 19th Convention of ACM SIGMOD Japan Chapter, 2001, Tokyo: SIGMOD 2001 Report

L3D International Symposium on Social Creativity and Meta-Design, May 7-10, 2001, Aspen: QueryLens Project

University of Michigan, Ann Arbor (Computer Science), 1996: View Functions for a Collaborative Hypermedia System: VIEW Media

University of Michigan, Ann Arbor (Computer Science), 1995: Flexible Sharing Mechanisms of VIEW Media: A Collaborative Hypermedia System for Interactive Presentation

Purdue University (Computer Science), 1995: Design of VIEW Classroom: A System for Distance Educa-

tion

PANEL DISCUSSANT

Ryosuke Shibasaki (moderator), Shin'ichi Konomi, Yuko Kubota, Mayumi Hadano, Nobuyuki Sakuragi, Yuki Akiyama (panelists), The 7th Micro Geo Data Workshop, held in conjunction with the 23rd Annual Convention of GIS Association of Japan, Kasugai, November 8, 2014: Realizing New Micro Geo Data Using Crowdsourcing

Ken Sakamura (moderator), Yasushi Asami, Noboru Koshizuka, Shin'ichi Konomi, Mamoru Amemiya, Toru Ishikawa (panelists), IIS-CSIS Symposium, Tokyo, June 28, 2013: Knowing about Spaces and Human Behaviours in Ubiquitous Environments

Yoshihiro Kawahara (moderator), Florian Michahelles, Shin'ichi Konomi, M. Suzuki (panelists), Mini Workshop on Internet of Things, Tokyo, June 29, 2010: Internet of Things - Research Directions?

Hiroki Ishizuka, Masayuki Iwai, Shin'ichi Konomi, Satoru Fujita (panelists), IEICE SIG Human Probe Workshop, July 13, 2009: Applications of Human Probes - Opportunities and Challenges

Masayuki Iwai (moderator), Daisuke Kamisaka, Shin'ichi Konomi, Yoh Siraishi, Tomoyuki Yashiro (panelists), IEICE SIG Human Probe Workshop, October 16, 2009: Possibility of Human Probes for Green Applications

Yoshito Tobe (moderator), Feng Zhao, Eric Paulos, Takahiro Hara and Shin'ichi Konomi (panelists), International Symposium on Networked Sensing, Urban Lives, and Human Probes, Tokyo, June 16, 2008: Challengers for Urban Sensing

Shin'ichi Konomi (moderator), J. Ayoade, F. Higuchi, Sozo Inoue, George Roussos, Norbert A. Streitz, Hiroyuki Tarumi (panelists), International Workshop Series on RFID, Tokyo, December 6, 2004: Future of RFID, Information Sharing, and Privacy - Towards a Research Agenda

TEACHING

Summer 2023, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Summer 2023, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Spring 2023, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Winter 2022, Programming Exercise, Faculty of Arts and Science, Kyushu University, 2.

Winter 2022, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Fall-Winter 2022, Interdisciplinary Collaborative Learning of Social Issues. Faculty of Arts and Science, Kyushu University, 4

Fall-Winter 2022, Information Science, Faculty of Arts and Science, Kyushu University, 2

Fall-Winter 2022, Information Science, Faculty of Arts and Science, Kyushu University

Fall 2022, Social Computing, Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University

Summer 2022, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2022, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Summer 2022, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Spring 2022, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Winter 2021, Project for Interdisciplinary Science and Innovation, School of Interdisciplinary Science and Innovation, Kyushu University, 1/2.

Winter 2021, Programming Exercise, Faculty of Arts and Science, Kyushu University, 2.

Winter 2021, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Fall-Winter 2021, Sustainable Management of Social-ecological Systems. School of Interdisciplinary Science and Innovation, Kyushu University, 1/5.

Fall-Winter 2021, Information Science, Faculty of Arts and Science, Kyushu University

Fall 2021, Social Computing, Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University

Fall 2021, Project for Interdisciplinary Science and Innovation, School of Interdisciplinary Science and Innovation, Kyushu University, 1/2.

Fall 2021, Primary Course of Cyber Security (English), Faculty of Arts and Science, Kyushu University.

Summer 2021, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2021, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Summer 2021, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Spring 2021, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Winter 2020, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Fall-Winter 2020, Social Computing, Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University, 1/2.

Fall-Winter 2020, Interdisciplinary Collaborative Learning of Social Issues. Faculty of Arts and Science, Kyushu University

Fall-Winter 2020, Information Science, Faculty of Arts and Science, Kyushu University

Fall-Winter 2020, Information Science, Faculty of Arts and Science, Kyushu University

Summer 2020, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2020, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2020, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Summer 2020, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Spring 2020, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Winter 2019, Big Data Processing, School of Interdisciplinary Science and Innovation, Kyushu University

Fall-Winter 2019, Social Computing, Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University

Fall-Winter 2019, Information Science, Faculty of Arts and Science, Kyushu University

Fall-Winter 2019, Information Science, Faculty of Arts and Science, Kyushu University

Summer 2019, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2019, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Spring-Summer 2019, Information Science, Faculty of Arts and Science, Kyushu University

Spring 2019, Fundamentals of Data Science, School of Interdisciplinary Science and Innovation, Kyushu University

Fall-Winter 2018, Social Computing, Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University

Fall-Winter 2018, Information Science, Faculty of Arts and Science, Kyushu University

Fall-Winter 2018, Information Science, Faculty of Arts and Science, Kyushu University

Fall-Winter 2018, Interdisciplinary Collaborative Learning of Social Issues. Faculty of Arts and Science, Kyushu University

Summer 2018, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Summer 2018, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

Spring-Summer 2018, Information Science, Kyushu University

Fall-Winter 2017, Programming Exercise, Faculty of Arts and Science, Kyushu University

Fall-Winter 2017, Interdisciplinary Collaborative Learning of Social Issues. Faculty of Arts and Science, Kyushu University

Summer 2017, Kikan-Education Seminar. Faculty of Arts and Science, Kyushu University

December 7 - 11, 2015 (Fall 2015). Advanced Geospatial Information Technology. College of Land, Infrastructure, Transport and Tourism

October 1, 2015 - March 31, 2016 (Fall 2015). Urban Computing. Department of Socio-Cultural Environmental Studies, the University of Tokyo, coteaching with another professor

April 1, 2015 - September 30, 2015 (Spring 2015). Urban Analysis. Department of Urban Engineering, the University of Tokyo, cotaught with six other professors

October 1, 2014 - March 31, 2015 (Fall 2014). Urban Computing. Department of Socio-Cultural Environmental Studies, the University of Tokyo, cotaught with another professor

April 1, 2014 - September 30, 2014 (Spring 2014). Urban Analysis. Department of Urban Engineering, the University of Tokyo, cotaught with six other professors

October 1, 2013 - March 31, 2014 (Fall 2013). Urban Computing. Department of Socio-Cultural Environmental Studies, the University of Tokyo, cotaught with another professor

April 1, 2013 - September 30, 2013 (Spring 2013). Urban Analysis. Department of Urban Engineering, the University of Tokyo, cotaught with five other professors

October 1, 2012 - March 31, 2013 (Fall 2012). Urban Computing. Department of Socio-Cultural Environmental Studies, the University of Tokyo, cotaught with another professor

July 3, 2012 (Spring 2012). Introduction to Socio-Cultural Environmental Studies. Department of Socio-Cultural Environmental Studies, the University of Tokyo

October 1, 2011 - March 31, 2012 (Fall 2011). Virtual Spatial Information Systems. Department of Socio-Cultural Environmental Studies, the University of Tokyo, cotaught with another professor

April 1, 1996 - September 30, 1996 (Spring 1996). Computer Science Experiment and Seminar. Department of Information Science, Kyoto University, cotaught with other professors and research associates

April 1, 1995 - September 30, 1995 (Spring 1995). Computer Science Experiment and Seminar. Department of Information Science, Kyoto University, cotaught with other professors and research associates

April 1, 1994 - September 30, 1994 (Spring 1994). Computer Science Experiment and Seminar. Department of Information Science, Kyoto University, cotaught with other professors and research associates

April 1, 1991 - September 30, 1991 (Spring 1991). Information Engineering Experiment. Department of Computer Science and Communication Engineering, Kyushu University, cotaught with other professors and research associates

PROFESSIONAL SERVICE

Position held in academic societies

1. Committee Member, IPSJ SIG Ubiquitous Computing, 2009-2010
2. Committee Chair, IEICE SIG Human Probe, 2009-2010

Editorial activities

1. Founding Associate Editor, PACM Journal on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), ACM Press, 2016-2018, 2021-
2. Guest Co-editor, Special Issue on Mobile and Situated Crowdsourcing, International Journal of Human-Computer Studies, Elsevier, 2016
3. Review Editor, Frontiers in ICT and Psychology, 2014-
4. Guest Co-editor, Special Issue on PerCom 2014, Pervasive and Mobile Computing Journal, Elsevier,

2014

5. Editorial Board Member, Journal of Ambient Intelligence and Smart Environments, IOS Press, 2013-
6. Guest Editorial Committee Member, Special Issue on Human Communications, IEICE Journal, 2011
7. Guest Co-editor, Special Issue on Ubiquitous Computing in the Real World, Personal and Ubiquitous Computing Journal, Springer, 2007
8. Guest Editorial Committee Member, Special Issue on Object-Oriented Techniques and Its Applications, IEICE Journal, 1996

Program committee

1. Program Board Co-chair, The 10th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI) as part of HCI International 2021, Online, June 26-July 1, 2022.
2. Program Board Co-chair, The 9th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI) as part of HCI International 2021, Online (Washington, D.C., USA), July 24-29, 2021.
3. Program Board Co-chair, The 8th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI) as part of HCI International 2020, Online (Copenhagen, Denmark), July 19-24, 2020.
4. Program Board Co-chair, The 7th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI) as part of HCI International 2019, Orlando, FL, USA, July 26-31, 2019.
5. Program Board Co-chair, The 6th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI) as part of HCI International 2018, Las Vegas, NV, USA, July 15-20, 2018.
6. Program Committee Member, EPIA Conference on Artificial Intelligence (track chair of Computation Sustainability, Technologies and Applications), Porto, Portugal, September 5-8, 2017.
7. Program Committee Member, 2017 European Conference on Ambient Intelligence (Aml 2017), Malaga, Spain, April 26-28, 2017.
8. Program Committee Member, International Workshop on Future Environments and Solutions for Ambient Intelligence (FESAmI'2016), Porto, Portugal, December 14, 2016.
9. Program Committee Member, International Workshop on Computational Sustainability, Technologies and Applications (CoSTA'2016), London, September 12-13, 2016.
10. Program Committee Member, The 6th International Conference on Communications and Electronics (ICCE 2016), Ha Long, Vietnam, July 27-29, 2016
11. Program Committee Member, The 4th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2016), Toronto, Canada, July 17-22, 2016
12. Program Committee Member, The 3rd International Conference on Physiological Computing Systems (PhyCS), Lisbon, Portugal, July 29-31, 2016
13. Program Committee Member, The 5th International Conference on Smart Systems, Devices and Technologies (SMART 2016), Valencia, Spain, May 22-26, 2016
14. Program Committee Member, The 2nd International Conference on IoT in Urban Space (Urb-IoT 2016), Tokyo, May 24-25, 2016.
15. Program Committee Member, The 2nd International Conference on Information and Communication Technologies for Aging Well and e-Health (ICT4AWE 2016), Rome, Italy, April 21-22, 2016
16. Program Committee Member, The Fifth IEEE International Workshop on the Impact of Human Mobility in Pervasive Systems and Applications (PerMoby 2016), Australia, March 2016
17. Program Committee Member, The 8th IEEE International Conference on Cyber, Physical and Social Computing (CPSCom 2015), Sydney, Australia, December 11-13, 2015.
18. Program Committee Member, The 7th International Conference on Mobile Computing, Applications and Services (MobiCASE 2015), Berlin, Germany, November 12-13 2015

19. Program Committee Member, The 3rd International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2015), Las Angeles, CA, August 2-7, 2015
20. Program Committee Member, The 4th International Conference on Smart Systems, Devices and Technologies (SMART 2015), Brussels, Belgium, June 21-26, 2015
21. Poster Program Committee Member, The 20th International Conference on Database Systems for Advanced Applications, Hanoi, April 20-23, 2015
22. Program Committee Member, The Fourth IEEE International Workshop on the Impact of Human Mobility in Pervasive Systems and Applications (PerMoby 2015), St. Louis, Missouri, March 27, 2015
23. Program Committee Member, The 2nd International Conference on Physiological Computing Systems (PhyCS), Loire Valley, France, February 11-13, 2015
24. Vice Program Co-Chair, The 12th Annual IEEE International Conference on Pervasive Computing and Communications (PerCom 2014), Budapest, Hungary, March 24-28, 2014
25. Program Committee Member, The International Workshop on Aesthetic Intelligence (Axi'14), Eindhoven, The Netherlands, November 11, 2014
26. Program Committee Member, The 9th Workshop on Artificial Intelligence Techniques for Ambient Intelligence (AITAmI'14), Shanghai, China, June 30-July 1, 2014
27. Program Committee Member, The 8th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, Rome, Italy, August 24-28, 2014
28. Program Committee Member, The 5th International Conference on Communications and Electronics, Da Nang, Vietnam, July 30-August 1, 2014
29. Program Committee Member, The 3rd IEEE International Workshop on the Social Implications of Pervasive Computing for Sustainable Living (SIPC'14), Budapest, Hungary, March 24, 2014
30. Program Committee Member, The 2nd International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2014), Heraklion, Crete, June 22-27, 2014
31. Program Committee Member, The 1st International Conference on Physiological Computing Systems (PhyCS), Lisbon, Portugal, January 7-9, 2014
32. Program Committee Member, The 1st International Conference on IoT in Urban Space (Urb-IoT 2014), Rome, Italy, October 27-28, 2014
33. Program Committee Member, The International Workshop on Aesthetic Intelligence (Axi'13), Dublin, Ireland, December 3, 2013
34. Program Committee Member, The 2nd International Conference on Smart Systems, Devices and Technologies (SMART 2013), Rome, Italy, June 23-28, 2013
35. Program Committee Member, The 2013 IEEE International Conference on Cyber, Physical and Social Computing, Beijing, China, August 20-23, 2013
36. Program Committee Member, The 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2013), Zurich, Switzerland, September 8-12, 2013
37. Program Board Member, The 1st International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2013), Las Vegas, NV, July 21-26, 2013
38. Program Committee Member, The Networking 2012 CrowdNet Workshop, Prague, Czech Republic, May 21-25, 2012
39. Program Committee Member, The International Workshop on User-Centered Design of Pervasive Healthcare Applications, San Diego, CA, May 21, 2012
40. Program Committee Member, The International Workshop on Aesthetic Intelligence (Axi'12), Pisa, Italy, November 13, 2012
41. Program Committee Member, The 1st International Conference on Smart Systems, Devices, and Technologies (SMART 2012), Stuttgart, Germany, May 27-June 1, 2012

42. Program Committee Member, The 14th ACM International Conference on Ubiquitous Computing (UbiComp 2012), Pittsburgh, PA, September 5-8, 2012
43. Program Committee Member, The 12th IEEE International Conference on Computer and Information Technology (Track 6. Applications, Business and Social Issues), October 27-29, 2012
44. Program Committee Member, The 10th International Conference on Pervasive Computing (PERVASIVE 2012), San Francisco, CA, June 20-22, 2012
45. Program Committee Member, The International Workshop on Aesthetic Intelligence (Axi'11), Amsterdam, Netherlands, November 16, 2011
46. Program Committee Member, The International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE), Crete, Greece, October 18-20, 2011
47. Program Committee Member, The International Conference on Mobile Web Information Systems (MobiWIS), Niagara Falls, Ontario, Canada, September 19-21, 2011
48. Program Committee Member, The 9th International Conference on Pervasive Computing (PERVASIVE 2011), San Francisco, CA, June 12-15, 2011
49. Program Committee Member, The 6th International Conference on Grid and Pervasive Computing (GPC2011), May 11-13, 2011
50. Program Committee Member, The 2011 IEEE International Conference on Internet of Things (iThings), Dalian, China, October 19-22, 2011
51. Program Committee Member, The 8th International Conference on Pervasive Computing (PERVASIVE 2010), Helsinki, Finland, May 17-20, 2010
52. Program Committee Member, The 7th International Conference on Ubiquitous Intelligence and Computing (UIC 2010), Xi'an, China, October 26-29, 2010
53. Program Committee Member, The 6th IEEE International Workshop on Wireless, Mobile and Ubiquitous Technologies in Education (WMUTE 2010), Kaohsiung, Taiwan, April 12-16, 2010
54. Associate Chair, Work-in-Progress, The 28th ACM Conference on Human Factors in Computing Systems (CHI 2010), Atlanta, GA, April 10-15, 2010
55. Program Committee Member, The ICCE Conference on Classroom, Ubiquitous, and Mobile Technologies Enhanced Learning (CUMTEL), Hong Kong, November 30 – December 4, 2009
56. Program Committee Member, The 7th International Conference on Creating, Connecting and Collaborating through Computing (C5 2009), Kyoto, January 19-22, 2009
57. Program Committee Member, The 5th Asia-Pacific Computing and Philosophy Conference (APCAP 2009), Tokyo, October 1-2, 2009
58. Program Co-Chair, The Asian Workshop on Sensing and Visualization of City Human Interaction (AWSVCI 2009), Beijing, August 27, 2009
59. Program Committee Member, The ICCE Conference on Classroom, Ubiquitous, and Mobile Technologies Enhanced (CUMTEL) and Digital Game and Intelligent Toy Enhanced Learning (DIGITEL), Taipei, October 27-31, 2008
60. Program Committee Member, The 6th International Conference on Creating, Connecting and Collaborating through Computing (C5 2008), Poitiers, France, January 14-16, 2008
61. Program Committee Member, The 2nd International Workshop on Privacy-Aware Location-based Mobile Services (PALMS 2008), Beijing, April 27, 2008
62. Program Committee Member, The 23rd ACM Symposium on Applied Computing 2008, Track on Ubiquitous Computing Applications, Fortaleza, Brazil, March 16-20, 2008
63. Program Committee Member, The ACM CHI 2007 Workshop on Shared Encounters, San Jose, CA, April 29, 2007
64. Program Committee Member, The 5th International Conference on Creating, Connecting and Collaborating through Computing (C5 2007), Kyoto, January 24-26, 2007

65. Program Committee Member, The 22nd ACM Symposium on Applied Computing 2007, Track on Ubiquitous Computing Applications, Seoul, March 11-15, 2007
66. Program Committee Member, The 6th International Conference on Creating, Connecting and Collaborating through Computing (C5 2006), Berkeley, CA, January 26-27, 2006
67. Program Committee Member, The 21st ACM Symposium on Applied Computing 2006, Track on Ubiquitous Computing Applications, Dijon, France, April 23-27, 2006
68. Program Co-Chair, The 1st International Conference on Creating, Connecting and Collaborating through Computing (C5 2003), Kyoto, January 31, 2003
69. Program Committee Member, The International Workshop on Data Warehouse Design and OLAP Technology (DWDOT'98), Vienna, August 28, 1998
70. Program Committee Member, The 1st International Workshop on Data Warehousing and Data Mining (DWDM'98), Singapore, November 19-20, 1998

Organizing committee

1. Organizer, Future Tech for Learners of All Ages, Held in conjunction with the Petrosains Science Festival 2018, Kuala Lumpur, September 15, 2018;
2. Organizing Committee Member, The 16th International Conference on Mobile and Ubiquitous Multimedia, Stuttgart, Germany, November 26-29, 2017
3. Organizing Co-Chair, International Workshop on Computational Sustainability, Technologies and Applications (CoSTA'2016), London, September 12-13, 2016
4. Co-organizer, The 2nd UbiComp 2016 Workshop on Mobile and Situated Crowdsourcing (WMSC'16), Heidelberg, September 13, 2016
5. Organizing Committee and Vice Chair of Publication, CSIS DAYS, Kashiwa, Chiba, Japan, November 19-20, 2015
6. Co-organizer, The 1st UbiComp 2015 Workshop on Mobile and Situated Crowdsourcing (WMSC'15), Osaka, September 7, 2015
7. Organizing Committee and Vice Chair of Publication, CSIS DAYS, Kashiwa, Chiba, Japan, November 21-22, 2014
8. Organizer, CSIS Workshop on Urban Computing, Mapping, and Sciences, Kashiwa, Chiba, Japan, June 18, 2014
9. Organizing Committee and Vice Chair of Publication, CSIS DAYS, Kashiwa, Chiba, Japan, November 22-23, 2013
10. Organizer, CSIS Seminar with the Invited Speaker Prof. Zhiyong Peng from School of Computer Science of Wuhan University, November 15, 2013
11. Organizer, CSIS Seminar with the Invited Speaker Dr. Dr. Carsten Roecker from Human Technology Centre, RWTH Aachen University, Kashiwa, Chiba, Japan, March 25, 2013
12. Organizer, CSIS Seminar with the Invited Speaker Mr. Marko Jurmu from University of Oulu, Kashiwa, Chiba, Japan, January 30, 2013
13. Organizing Committee and Vice Chair of Publication, CSIS DAYS, Kashiwa, Chiba, Japan, November 2-3, 2012
14. Organizer, CSIS Seminar with the Invited Speaker Dr. Mukesh Mohania at IBM India Research Lab, Kashiwa, Chiba, Japan, May 28, 2012
15. Organizing Committee Member, IPSJ Interaction 2012 Symposium, Tokyo, March 15-17, 2012
16. Organizing Committee and Vice Chair of Publication, CSIS DAYS, Kashiwa, Chiba, Japan, November 10-11, 2011
17. Organizing Committee Member, IPSJ Interaction 2011 Symposium, Tokyo, March 10-12, 2011

18. Co-organizer, The PERVASIVE 2009 Workshop: Shop / I don't need help, I'm just browsing!, Nara, May 11, 2009
19. Organizing Committee Member, The International Workshop Series on RFID, Tokyo, November 10 and December 6, 2004
20. Organizing Committee Member, The International Symposium on Next Generation Database Systems and Their Applications (NDA), Fukuoka, Japan, September 1993

Other committees

1. Workshops Co-Chair, The 12th International Conference on Intelligent Environments (IE'16), London, July 11-15, 2016.
2. Publication Chair, The 2nd International Conference on IoT in Urban Space (Urb-IoT 2016), Tokyo, May 24-25, 2016.
3. Interactive Presentation Chair, IPSJ Interaction 2013 Symposium, Tokyo, February 28-March 2, 2013
4. Poster Co-Chair, The 10th International Conference on Pervasive Computing (PERVASIVE 2012), June 20-22, 2012
5. Demo Chair, The 8th International Conference on Network Sensing Systems (INSS 2011), June 13-15, 2011
6. Best Paper Selection Committee Member, The 8th International Conference on Pervasive Computing (PERVASIVE 2010), Helsinki, May 17-20, 2010
7. Publication Chair, The 2009 International Symposium on Ubiquitous Computing Systems (UCS 2009), August 24-26, 2009
8. Ubiquitous Solution Chair, The 21st International Conference on Data Engineering (ICDE 2005), Tokyo, April 5-8, 2005
9. Publication and Website Management, The 2nd International Workshop on Cooperative Buildings (CoBuild'99), Pittsburgh, PA, October 1-2, October 1999
10. Publication and Website Management, The 1st International Workshop on Cooperative Buildings (CoBuild'98), Darmstadt, Germany, February 25-26, 1998

Session chair at international conferences

1. Regular Paper Session on Pervasive and Civic Computing, The 5th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2017), Vancouver, Canada, June 12, 20, 2017
2. Regular Paper Session on Natural Interaction, The 5th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2017), Vancouver, Canada, June 12, 20, 2017
3. Regular Paper Session on Mobile Applications, 2017 European Conference on Ambient Intelligence (Aml 2017), Malaga, Spain, April 26-28, 2017
4. Regular Paper Session on Pervasive and Civic Computing, The 4th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2016), Toronto, Canada, July 20, 2016
5. Regular Paper Session on Pervasive and Civic Computing, The 3rd International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2015), Los Angeles, CA, August 5, 2015
6. Regular Paper Session on Pervasive and Civic Computing, The 2nd International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2014), Heraklion, Crete, June 25, 2014
7. Regular Paper Session on Positioning, The 2013 International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2013), Zurich, Switzerland, September 12, 2013
8. Regular Paper Session on Pervasive Civic Computing, The 1st International Conference on Distributed, Ambient and Pervasive Interactions (DAPI 2013), Las Vegas, NV, July 24, 2013
9. Regular Paper Session on XML, The 12th International Conference on Web-Age Information Management, Wuhan, China, September 15, 2011

10. Invited Oral Session on Ubiquitous Field Studies and Smart Environment/Space/ Platform, BIT's 1st Annual International Congress of u-World, October 25, 2011
11. Regular Paper Session on Applications, The 8th International Conference on Pervasive Computing (PERVASIVE 2010), Helsinki, Finland, May 18, 2010
12. Regular Paper Session on Privacy and Technology, The 1st Asia-Pacific Computing and Philosophy Conference (APCAP 2009), Tokyo, October 1, 2009
13. Regular Paper Session on HCI in Mobile, Ubiquitous, and Pervasive Computing Contexts, The 2nd IASTED International Conference on Human-Computer Interaction (IASTED-HCI 2005), Phoenix, AZ, November 16, 2005
14. Regular Paper Session, The 1st Conference on Creating, Connecting and Collaborating through Computing (C5 2003), Kyoto, January 31, 2003
15. Regular Paper Session, The International Symposium on Database Applications in Non-Traditional Environments (DANTE'99), Kyoto, November 28-30, 1999
16. Regular Paper Session on Hypertext, The IPSJ International Symposium on Multimedia Systems (Multimedia Japan '96), Yokohama, Japan, March 18, 1996

Reviewing

1. ACM Transactions on Computer-Human Interaction (TOCHI), 2021
2. ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) Journal, 2021
3. International Journal of Human-Computer Studies, Elsevier, 2018
4. Computers and Education, Elsevier, 2018
5. ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) Journal, 2018
6. IPSJ Journal, 2017
7. IEICE Journal, 2017
8. IEEE Communications Magazine
9. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2016), Heidelberg, Germany, September 12-16, 2016
10. ACM International Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2016), San Francisco, CA, February 27-March 2, 2016
11. International Journal of Universal Access in the Information Society, Springer, 2016
12. International Journal of Human-Computer Studies, Elsevier, 2016
13. International Journal of Human-Computer Interaction, Taylor and Francis, 2016
14. IEEE Transactions on Mobile Computing, IEEE, 2016
15. International Conference on Physiological Computing Systems (PhyCS), Eseo, Angers, Loire Valley, France, February 11-13, 2015
16. Pervasive and Mobile Computing Journal (PMC), Elsevier, 2015
17. Interacting with Computers Journal, Oxford, 2015
18. IPSJ Journal, 2014
19. International Workshop on Social Implications of Pervasive Computing for Sustainable Living (SIPC), 2014
20. International Conference on Physiological Computing Systems (PhyCS), 2014
21. International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, 2014
22. International Conference on IoT in Urban Space (Urb-IoT), 2014
23. International Conference on Communications and Electronics, 2014

24. Computer Networks Journal, Elsevier, 2014
25. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2014
26. Pervasive and Mobile Computing Journal (PMC), Elsevier, 2013
27. IEEE Sensors Journal, 2013
28. IEEE Pervasive Computing Magazine, 2013
29. IEEE International Conference on Cyber, Physical and Social Computing (CPSCom), 2013
30. IEEE Global Communications Conference, Exhibition and Industry Forum (GLOBECOM), 2013
31. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2013
32. International Symposium on Wearable Computing (ISWC), 2012
33. International Journal of Human-Computer Studies (IJHCS), 2012
34. International Conference on Smart Systems, Devices, and Technologies (SMART), 2012
35. International Conference on Pervasive Computing (PERVASIVE), 2012
36. IEICE Journal, 2012
37. IEEE Pervasive Computing Magazine, 2012
38. IEEE International Conference on Computer and Information Technology (CIT), 2012
39. Asia Pacific Conference on Computer Human Interaction (APCHI), 2012
40. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2012
41. ACM Conference on Human Factors in Computing Systems (CHI), 2012
42. ACM Conference on Computer Supported Cooperative Work (CSCW), 2012
43. International Joint Conference on Ambient Intelligence (Aml), 2011
44. International Conference on Pervasive Computing (PERVASIVE), 2011
45. International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE), 2011
46. IEEE International Conference on Internet of Things (iThings), 2011
47. IEEE Communications Magazine, 2011
48. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2011
49. ACM Conference on Computer Supported Cooperative Work (CSCW), 2011
50. Journal of GIS Association of Japan, 2010
51. IPSJ Journal, 2010
52. Internet of Things Conference, 2010
53. International Conference on Pervasive Computing (PERVASIVE), 2010
54. International Conference on Networked Sensing Systems, 2010
55. ACM Conference on Human Factors in Computing Systems (CHI), 2010
56. Pervasive and Mobile Computing Journal (PMC), Elsevier, 2009
57. Journal of Ambient Intelligence and Smart Environments, 2009
58. International Conference on Pervasive Computing (PERVASIVE), 2009
59. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2009
60. International Conference on Computers in Education, 2009
61. Asia-Pacific Computing and Philosophy Conference (APCAP), 2009
62. ACM Symposium on User Interface Software and Technology (UIST), 2009
63. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2009
64. ACM Conference on Human Factors in Computing Systems (CHI), 2009

65. Pervasive and Mobile Computing Journal (PMC), Elsevier, 2008
66. Nordic Conference on Human-Computer Interaction (NordiCHI), 2008
67. IPSJ Journal, 2008
68. International Journal of Space and Culture, 2008
69. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2008
70. International Conference on Computers in Education, 2008
71. IEEE Internet Computing Magazine, 2008
72. ACM Conference on Computer Supported Cooperative Work (CSCW), 2008
73. International Conference on Database Systems for Advanced Applications (DASFAA), 2007
74. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2007
75. Nordic Conference on Human-Computer Interaction (NordiCHI), 2006
76. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2006
77. IEEE Pervasive Computing Magazine, 2006
78. ACM Conference on Designing Interactive Systems (DIS), 2006
79. International Conference on User Modeling (UM), 2005
80. International Conference on Interaction Design and Children (IDC), 2005
81. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2005
82. International Conference on Artificial Intelligence in Education (AIED), 2005
83. International Conference on Active Media Technology (AMT), 2005
84. ACM Conference on Human Factors in Computing Systems (CHI), 2005
85. Participatory Design Conference (PDC), 2004
86. International Conference on the Design of Cooperative Systems (COOP), 2004
87. ACM Conference on Human Factors in Computing Systems (CHI), 2004
88. ACM Conference on Computer Supported Cooperative Work (CSCW), 2004
89. International Conference on Creating, Connecting and Collaborating through Computing (C5), 2003
90. International Conference on User Modeling (UM), 2001
91. ACM Conference on Human Factors in Computing Systems (CHI), 2001
92. International Conference on the Design of Cooperative Systems (COOP), 2000
93. ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2000
94. ACM Conference on Universal Usability (CUU), 2000
95. ACM Conference on Human Factors in Computing Systems (CHI), 2000
96. ACM Conference on Computer Supported Cooperative Work (CSCW), 2000
97. ACM Conference on Human Factors in Computing Systems (CHI), 1999
98. ACM Conference on Human Factors in Computing Systems (CHI), 1998
99. ACM Conference on Human Factors in Computing Systems (CHI), 1997

GRANTS

Fundamental Research on the Development of Science Teaching Methods Using Learning Analytics (original title in Japanese), Grant-in-Aid for Scientific Research (C), No.23K02469, 2023-2027. (Co-Investigator)

Computational Learning Analytics Infrastructure for Learning "How to Learn Like a Scientist (original title in Japanese), Grant-in-Aid for Scientific Research (B), No.23H03507, 2023-2027. (Co-Investigator)

WebAgent: Integrated development research on labor-saving e-learning system (original title in Japanese), Grant-in-Aid for Scientific Research (C), No.20K12092, 2020-2023. (Co-Investigator)

Research for addressing the digital gap problem in applying IoT technologies in super-aging societies in Japan and the US, and for supporting their wide use across cultural boundaries (original title in Japanese), Japan (JST)-US (NSF) Research Collaboration "Digital Science for the Next-Generation Society," JST SICORP Grant, 2020-2021, No.19218154. (Co-Investigator)

Distributed Cooperative Learning Analytics for Developing Communities (original title in Japanese), Grant-in-Aid for Scientific Research (A), No.20H00622, 2020-2024. (PI)

Accumulation of new education models and good teaching practices for fostering co-creative problem-solving capabilities (original title in Japanese), Internal funding of Kyushu University (Support Program for Improving Educational Quality (NEEP)), 2018-2019, (Co-Investigator)

Supporting Multigenerational Co-creation and Social Activities by Enhancing Learning Analytics Platforms (original title in Japanese), 2017-2019. (PI, — JPY)

Urban Sensing Based on Model-Driven Extensions to Crowd Replication (original title in Japanese), Grant-in-Aid for Scientific Research (C), No.17K00117, 2017-2019. (PI)

Research on Cloud Information Infrastructure for Supporting Teaching and Learning Using Educational Big Data (original title in Japanese), Grant-in-Aid for Scientific Research (S), No.16H06304, 2016-2020. (Co-Investigator)

Research and Development of Big Data Applications in the Education Fields (original title in Japanese), NICT Advanced Communication and Broadcasting Research and Development, No.178A03, 2014-2017. (Managing Co-PI)

Constructing Living Trust Networks and Using Them to Share Local Information, Grant-in-Aid for Scientific Research (C Special), No.17KT0154, 2017-2021. (PI)

Establishing Cost-Efficient Methods for Collecting, Storing, and Utilizing Distribution and States of Vacant Houses Using Open Source Tools, Model Project for Leading Countermeasure against Vacant Houses in the Context of the Projects for Maintaining and Promoting the Housing Market, etc. of the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) (original titles in Japanese), 2016. (PI)

Establishing the Most Advanced Disaster Reduction Management System by Fusion of Real-time Disaster Simulation and Big Data Assimilation, Core research for Evolutional Science and Technology (CREST) of the Strategic Basic Research Programs, the Japan Science and Technology Agency (JST), 2014-2019. (Co-Investigator)

Realization of Crowdsourcing Tools for Enhancing Safety in the Event of Crimes and Disasters Using Spatial Information (original title in Japanese), Collaborative Research Supported by SS Avenue, Inc., 2014. (Sole PI)

Realization of Crowdsourcing Tools (Realization of High Quality Marketing), Collaborative Research Supported by SS Avenue, Inc., 2013. (Sole PI)

Government-People Collaborative Cloud Systems for Crisis Management (original title in Japanese), Funds for Integrated Promotion of Social System Reform and Research and Development, the Japan Science and Technology Agency (JST), 2011-2013. (Co-Investigator)

Pedestrian Social Computing Using Proximity Network-Based Context Derivation, Grant-in-Aid for Scientific Research (C), 2009-2011. (PI)

EU Framework 7 Project: Coordination and Support Action for Global RFID-related Activities and Standardisation (CASAGRAS), 2008-2009. (Extended Group Member)

Investigation of Privacy Protection and Information Sharing Technologies in Electronic Tagging Environments, Joint Forum for Strategic Software Research (SSR), 2004. (Co-PI)

Personalization for Handheld Devices Using the QueryLens Filter, Exploratory IT Human Resources Project (The MITOH Program, which is awarded to potentially creative and outstanding individuals who can play key roles in creating next-generation IT markets) of Information-technology Promotion Agency, Japan (IPA), 2001. (Sole PI)

Realization of Pervasive Query Environments Using Mobile Databases, Exploratory IT Human Resources Project (The MITOH Program, which is awarded to potentially creative and outstanding individuals who can play key roles in creating next-generation IT markets) of Information-technology Promotion Agency, Japan (IPA), 2000. (Sole PI)

Studies on Cooperative Information Systems, Grant-in-Aid for International Scientific Research, 1998-2000. (Co-PI)

Research and Development of Collaborative Information Retrieval Systems Using 3D Interfaces, Grant-in-Aid for Encouragement of Scientists (A), 1997-1998. (Sole PI)

Development of High-Level View Mechanisms for Large-Scale Collaborative Environments Based on Databases, Grant-in-Aid for Scientific Research on Priority Area, 1997-1998. (PI)

Integration of User Interfaces and Materialized Views in Virtual Environments, Grant-in-Aid for Encouragement of Scientists (A), 1996. (Sole PI)

Research on Wide-Scale Distributed Collaboration Mechanisms, Grant-in-Aid for International Scientific Research, 1995-1997. (Co-PI)

Development of High-Level Query Processing Mechanisms for Networked Multimedia Databases, Grant-in-Aid for Experimental Scientific Research (B), 1995-1997. (Co-PI)

Realization of Distributed Cooperative Work Environment and Its Application to Virtual Offices, Grant-in-Aid for Scientific Research (A), 1994-1996. (Co-PI)

Document Processing through the Integration of Hypertext and Database Techniques and Its Application to Technical Manual Organization, Grant-in-Aid for Scientific Research (B), 1993-1995. (Co-PI)

Research on Efficient Update Processing in Databases That Contain Derived Data, Grant-in-Aid for Encouragement of Scientists (A), 1992. (Sole PI)

A Study on the Application of a Deductive Database to a CAD System, Grant-in-Aid for Scientific Research

(B), 1991-1993. (Co-PI)

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