
FOREWORD

Special Section on Information and Communication Technology to Support Hyperconnectivity

Humans have invented and evolved new tools, ideas, and social systems through consensus and co-creation for group cooperation to enhance creativity and productivity. Theories of such consensus and co-creation, as well as their models and simulation, are interdisciplinary and fundamental topics. In recent years, the dramatic development of the Internet and social networks has changed the way in which we communicate with each other. We are always connected to social networks, no matter where we are in the world. This is known as hyperconnectivity, a situation that human beings have never faced before. Therefore, it is significantly important to explore consensus and co-creation in the hyperconnected situation.

After the call for papers for this Special Section, we received 16 submissions from several countries. The Editorial Committee worked out with difficulty to carefully and rigorously reviewing and evaluating the submitted papers. After a thorough reviewing process, 10 research contributions are accepted for publication in this Special Section. These papers involve decision support systems, multi-agent technology, collective intelligence analysis, educational engineering, knowledge engineering, and basic technologies for intelligence activities, and also make big impacts to research of related domain in theory and applications to next decade without any doubt.

The Guest Editors would like to express their sincere appreciation to all the authors for their efforts in preparing and submitting their excellent manuscripts, and to the reviewers for their professional and voluntary work. We also appreciate the editorial board of the IEICE Transactions on Information and Systems. Without their support, this special issue would not have been possible. Finally, we would like to express our appreciation for the large efforts of the Editorial Committee Members. Their names and affiliations are listed below.

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Tokuro Matsuo, Guest Editor-in-Chief

Tokuro Matsuo (*Nonmember*) received Dr. Tokuro Matsuo is a Full Professor at Advanced Institute of Industrial Technology from 2012. Also, he is currently Director of Research Center for Artificial Intelligence and Service Science at AIT; CEO of International Institute of Applied Informatics (IIAI); Guest Professor at Bina Nusantara University, Indonesia; Guest Professor at Nagoya Institute of Technology, Japan; Japan MICE Ambassador; and Kumamoto City MICE Ambassador. He was Associate Professor at Yamagata University, Japan (2006–2012); Adjunct Professor at Asian University, Taiwan (2019–2021); Invited Professor at City University of Macau, Macau (2018–2020); Visiting Professor at University of Nevada, Las Vegas, USA (2016–2017); Vice-President, International Association for Computer and Information Science, USA (2015–2017); Vice-President, Software Engineering Research Foundation, USA (2013–2018); Visiting Researcher at University of California at Irvine, USA (2010–2011); Research Fellow at Shanghai University, China (2010–2013); and Project Professor of Green Computing Research Center at Nagoya Institute of Technology, Japan (2011–2014); and Research Fellow of SEITI in Central Michigan University, USA (2010–2018). He received his Ph.D. in computer science from Nagoya Institute of Technology in 2006. His current research interests include agent-based electronic commerce, qualitative reasoning and simulation, material informatics, IT and business management, and IoT. Also, he is a professional event planner and event producer. He has been a managing editor of journals in IJCIS, IEE, IJSKM, IJSCAI, IJLTLE, IJIRM and international conference organizing chairs (conference chair/program chair/finance chair/publication chair) of IEEE PRIWEC (2006), IEEE/ACIS SNPD (2009, 2012, 2013, 2014, 2015, 2017, 2018, 2019), PRIMA (2009, 2020), IEEE/ACIS ICIS (2010, 2013, 2015, 2016), IIAI AAI (2012–2023), AAMAS (2013), IEEE/ACIS SERA (2014, 2015), IEEE SOCA (2014, 2017), IEEE TENSYP (2016), IEEE ICS (2016, 2017, 2023), IEEE SC2 (2017), KICSS (2017, 2022, 2023), ASEAN-AI (2018), and other 40 international conferences and workshops.

