

— Special Section on Information and Communication Technology to Support Hyperconnectivity —

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The IEICE Transactions on Information and Systems announces that it will publish a special section entitled "Special Section on Information and Communication Technology to Support Hyperconnectivity" in April 2024.

Humans have invented and evolved new tools, ideas, and social systems through consensus and co-creation for group cooperation. 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.

In the field of information and communication technology, which is premised on the integration of such scientific and technological fields, new domains and technologies such as game theory, decision making, artificial intelligence, multi-agent, simulation, computer collaborative work support, web informatics, knowledge science, service science, virtual reality, human-computer interaction, creativity support, design science, communication science, educational engineering, sensor network, robotics are continuously being created, and their further integrations and fusions are accelerating. Therefore, we are planning a special issue, will be published on April, 2024, on theories, fundamental technologies, and applied technologies for understanding and advancing the mechanisms that promote human cooperation and harmony and creativity by utilizing information and communication technologies.

1. Scope

This special section aims at timely dissemination of research in these areas. Possible topics include, but are not limited to:

- Collective Intelligence and Creative Intelligence
- Creativity Support Systems and Decision Support System
- Large-scale Data Processing and Machine Learning
- Civic Tech to solve social issues
- Online Meeting Systems
- Computer Supported Collaborative Works
- Service / Innovation Management Support Systems
- Knowledge Science, Knowledge Engineering and Knowledge Representation
- Knowledge Management / Management of Technology Support Systems
- Robotics, Mechatronics, and Haptics
- Sensor Networks, Intelligent Wireless Systems
- Image Processing, Computer Graphics and Virtual Reality
- Agent Simulation
- Intelligent Control of Infrastructure
- Data Visualization and Interface Design
- Web Intelligence
- Educational Engineering
- Human Language Technology and Natural Language Processing
- Ontology and Semantic Web
- Evaluation of Intelligent ICT Systems
- Artificial Intelligence and Computational Intelligence

2. Submission Instructions:

- A manuscript should be prepared according to the guideline given in “The Information for Authors” (https://www.ieice.org/eng/shiori/mokuji_iss.html). We encourage the authors to use the IEICE Style File (<https://www.ieice.org/ftp/index-e.html>). The preferred length of the manuscript is 8 pages for a PAPER and 2 pages for a LETTER with the format determined by the IEICE Style File.
- Submit the manuscript through the IEICE Web site (https://review.ieice.org/regist/regist_baseinfo_e.aspx). Choose “[Special-IH] Information and Communication Technology to Support Hyperconnectivity” in the menu of “Journal/Section” in the submission page. Do not choose “[Regular-ED] Information and Systems” or other special sections.
- Authors must agree to the "Copyright Transfer, Article Processing Charge Agreement, Notices from the IEICE, and Privacy Policy" via electronic submission. - Submission deadline of the manuscript is May 1, 2023 23:59 (JST).

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- * Upon accepted for publication, all authors, including authors of invited papers, should pay the article charges covering partial cost of publication around December 2023. If payment is not completed by 15 January, 2024 your manuscript will be handled as rejection.
- * The standard period of 60 days between the notification (of conditional accept) and the second submission can be shortened according as the review schedule.
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