The IEICE Transactions on Information and Systems announces that it will publish a special section entitled "Special Section on Intelligent Information Processing to Solve Social Issues" in April 2023.

With the widespread use of sensors and mobile devices, as well as advances in artificial intelligence and knowledge processing technologies, it has become possible to discover and utilize human knowledge and wisdom from the information and big data collected from these devices. In such an environment, there are strong needs to develop innovative systems and methodologies that can clarify social issues in daily life, social systems, and education, and lead to creative and collaborative solutions. For this purpose, advanced collaboration and fusion of various sciences such as information science, language science, and knowledge science are indispensable, and at the same time, how to design and construct appropriate models and innovative systems, and how to apply them practically with high speed and high precision are required.

In the field of knowledge information and communication, which is premised on the integration of such scientific and technological fields, new domains and technologies such as knowledge science, service science, robotics, artificial intelligence, haptic technology, sensor networks, and virtual reality are continuously being created, and their further integrations and fusions are accelerating. In addition, the amount of available data is increasing dramatically, and the quality of data is changing drastically; thus, there are needs to innovate conventional technologies. Therefore, we are planning a special issue, will be published on April, 2023, on theoretical and technological approaches to solve large-scale and complex problems by integrating multiple disciplines and technologies to further enhance human cooperation and harmony and creativity.

1. **Scope**

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

- Large-scale Data Processing and Machine Learning
- Knowledge Science, Knowledge Engineering and Knowledge Representation
- Knowledge Management / Management of Technology Support Systems
- Collective Intelligence and Creative Intelligence
- Civic Tech to solve social issues
- Online Meeting Systems
- Service / Innovation Management 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
- Creativity Support Systems and Decision Support System
- Human Language Technology and Natural Language Processing
- Ontology and Semantic Web
- Evaluation of Intelligent ICT Systems
- Artificial Intelligence and Computational Intelligence

2. **Submission Guidelines:**

- A manuscript should be prepared according to the guideline (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 standard number of pages is 8 for a PAPER and 2 for a LETTER with the format determined by the IEICE Style File. The maximum number of pages for the initial submission of a LETTER is 4.
- Submit the manuscript and transfer the copyright to the IEICE through the IEICE Web site (https://review.ieice.org/regist/regist_baseinfo_e.aspx). Choose “[Special-II] Intelligent Information Processing to Solve Social Issues” in the menu of "Journal/Section " in the submission page.
- Inquiries: Tomohisa Yamashita (Hokkaido University, Japan)
  Email: tomohisa<at>ist.hokudai.ac.jp
- Submission deadline of the manuscript is March 9, 2022 23:59 (JST) (firm).

3. **Notice to the Authors:**

- Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering partial cost of publication around December 2022. **If payment is not completed by 15 January, 2023 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.

4. **Special Section Editorial Committee:**

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