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 April 30, 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:
Guest Editor-in-Chief: Takayuki Ito (Kyoto University, Japan), Thanaruk Theeramunkong (SIIT, Thammasat University, Thailand), Susumu Kunii (J AIS, Japan)
Guest Associate Editor-in-Chief: Kiyota Hashimoto (Prince of Songkla University, Thailand), Tessai Hayama (Nagaoka University of Technology, Japan), Tomohisa Yamashita (Hokkaido University, Japan)
Associate Editors: Ryuta Arisaka(Kyoto University, Japan), Vijay Kumar Banga (Amritsar Group of Colleges,
Amaritsar, India), Rafik Hadfi(Kyoto University, Japan), Hidehiko Hayashi(Hokusei Gakuen University), Natsuda Kaorthanthong (SIIT, Thammasat University, Thailand), Shohei Kato(Nagoya Institute of Technology, Japan), Takahiro Kawaji(Kurume University, Japan), Nongnuch Ketui (Rajamangala University of Technology Lanna, Thailand), Tokuro Matsuo(AIT, Japan), Sanparith Marukatad (NECTEC, Thailand), Motoki Miura(Chiba Institute of Technology, Japan), Hung Duy Nguyen(SIIT, Thammasat University, Thailand), Shun Okuhara(Kyoto University, Japan), Takanobu Otsuka(Nagoya Institute of Technology, Japan), Shun Shiramatsu(Nagoya Institute of Technology, Japan), Virach Sornlertlamvanich(SIIT, Thammasat University, Thailand), Thepchai Supnithi(NECTEC), Nattapong Tongtep (Prince of Songkla University, Thailand), Sasiporn Usanavasit(SIIT, Thammasat University, Thailand), Thaweesak Yingthawornsuk (King Mongkut"s University of Technology Thonburi, Thailand) , Soichiro Yokoyama(Hokkaido University, Japan), Takaya Yuizono(JAIST, Japan)

Inquiry should be made to the Guest Editor, preferably by Email with Subject “IEICE(I2022)”.

*The IEICE Transactions on Information and Systems has been selected for coverage in the ISI (Institute for Scientific Information) products/services of Science Citation Index Expanded (included in “Web of Science”), Current Contents (Edition: Engineering, Computing and Technology), ISI Alerting Services, and CompuMath Citation Index.  
* Open Access Publishing: All papers of the IEICE Transactions on Information and Systems stored in J-STAGE that include all papers published from January 2017 have been opened to all reader in the world through J-STAGE. For details on Open Access Publishing and Open Access Options, please carefully refer to “The Information for Authors” (https://www.ieice.org/eng/shiori/mokuji_iss.html). Note that these rules may be changed without notice.