

Call for Papers

Special Section on Log Data Usage Technology and Office Information Systems

— Data analysis, anonymization, and other enabling techniques for practical information systems —

The IEICE Transactions on Information and Systems announces that it will publish a special section entitled "Special Section on Advanced Log Processing and Office Information Systems" in **December 2027**. This special section aims to further practical information systems that can leverage various log data, regarding the so-called *Big Data era*. In this era, many types of logs are stored on a daily basis, and this trend has been greatly accelerated by IoT (Internet of Things) devices and products. Examples of those logs include daily-life-generated data such as customer purchase history, medication logs, and articles posted on SNS (Social Networking Service). Leveraging such log data can be considered a key research topic for building a better information society. At the same time, recent advances in AI, particularly Large Language Models (LLMs), have further increased the importance of utilizing log data for intelligent analysis, automation, and decision-making. We welcome submissions of research papers on a wide variety of techniques (e.g., log-data processing, data sharing, and anonymization) not only for office information systems, but also for any practical log-based applications. The paper submission deadline is **November 12th, 2026 (JST)**.

1. Scope

Possible topics include, but are not limited to:

- Lifelog (Log processing, Collection and analysis of behavioral logs, operation logs, and sensor logs, Data utilization, Privacy protection, Application software, etc.)
- Office model (Business process modeling, Business process re-engineering (BPR), Information sharing, Document structure, Document processing, Workflow, etc.)
- Technologies supporting communication and collaboration (E-mail, Messaging tools, Groupware, Communication management service (CMS), Social networking service (SNS), Online meetings, Virtual sharing environment, Virtual office, etc.)
- Data mining for extracting useful information on business (Data mining for marketing, Knowledge management, Mail mining, Text mining, Machine learning, Knowledge graph, Artificial intelligence, Generative AI, LLM and RAG applications, AI agent applications, etc.)
- System architecture (Web service, Web API, Microservices, Cloud computing, Edge computing, Event-driven architecture, etc.)
- Network (Sensor network, Ubiquitous network, Zero trust network, Virtual private network (VPN), etc.)
- Security (Anonymity, Access control, Authentication and authorization, Zero trust, Malware, Spam, Insider threat detection, Log auditing, Copyright and data usage management, AI security, etc.)
- Human interface (Visualization, Mobile interface, Rich interface, etc.)
- Business application (Decision support, Campus information system, Smart office, Smart campus, and applications to education, healthcare, public administration, and manufacturing, etc.)

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 a manuscript and electronic source files (TeX/Word files, figures, authors' photos, and biography) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx **by November 12th, 2026 (JST)**.
- * Authors should choose the [Special-OF] Special Section on Log Data Usage Technology and Office Information Systems as a "Journal/Section" on the online screen. Do not choose [Regular-ED].
- * Authors must agree to the "Copyright Transfer, Article Processing Charge Agreement, Notices from the IEICE, and Privacy Policy" via electronic submission.

For additional guidelines on manuscript preparation, please visit: https://www.ieice.org/eng/shiori/mokuji_iss.html

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3. Special Section Editorial Committee

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5. Remarks

- * **Upon accepted for publication, all authors, including authors of invited papers, should pay the article processing charge covering partial cost of publication around May 2027. If payment is not completed by June 15th, 2027, 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.
- * If there are non-members among the authors, we recommend that the authors take this opportunity to join the IEICE. For detailed information on the IEICE Membership Application, please visit the web-page, https://www.ieice.org/eng_r/join/individual_member.html. If all authors are non-members, the article processing charge for non-members will be applied, except for invited papers.
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