

Call for Papers

----- Special Section on Towards Smarter and Pervasive Management in the Era of 6G Networks in Conjunction with Main Topics of APNOMS2025 -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Towards Smarter and Pervasive Management in the Era of 6G Networks in Conjunction with Main Topics of APNOMS2025" in the **February 2027** issue.

The technological evolution of communication networks is accelerating towards Beyond5G/6G. In addition, the development of AI technology is bringing about drastic changes in network management and operation. This evolution and transformation pose new challenges in network and data management for future communications and services. Thus, a special section is planned (scheduled to appear in the Feb. 2027 issue, but accepted papers will be published immediately as advance publication around August 2026) to promote the presentation of new proposals, technological achievements, measurements, implementations, and operational insights, with the aim of contributing to the acceleration and development of research.

In particular, the following proposals are positively accepted: commercial systems, pilot systems, demonstration systems, concept systems, and feasibility evaluations using the proposed systems in companies, universities, and government research institutes.

This special section, in line with the topics of The 25th Asia-Pacific Network Operations and Management Symposium 2025 (APNOMS 2025), encourages authors at APNOMS2025 to submit papers, but is not limited to them. Many submissions are cordially encouraged.

1. Scope

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

- Management technologies towards Beyond5G/6G
- Management with Artificial Intelligence techniques
- Management Functional Areas
- Network Operations and Management technologies
- Methodologies for Theory and Operations
- Operational Experience, Implementation, and Practice

2. Submission Instructions

The standard number of pages is 8. The page charges are considerably higher for extra pages. Manuscripts should be prepared according to the guideline in the "Information for Authors." The latest version is available at the web site, https://www.ieice.org/eng/shiori/mokuji_cs.html. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept papers only by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors' photos and biographies) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx by **17 March 2026 (JST)**. Authors should choose the [Special EB] Towards Smarter and Pervasive Management in the Era of 6G Networks in Conjunction with Main Topics of APNOMS2025 as a "Journal/Section" on the online screen. Do not choose [Regular EB].

Contact point:

Katsuyoshi Iida

Hokkaido University

E-mail: icm-trans-eb@mail.ieice.org

3. Special Section Editorial Committee

Guest Editor-in-Chief: Ryo Yamamoto (The University of Electro-Communications)

Guest Editors: Katsuyoshi Iida (Hokkaido University)

Guest Associate Editors: Haruo Oishi (Sojo University), Eiji Takahashi (NEC), Hiroki Nakayama (BOSCO Technologies inc.), Takashi Kurimoto (NII), Haruki Naoi (1Finity), Takayuki Kuroda (NEC), Hironobu Kengaku (NTT docomo Solutions)

* Authors must agree to the "Copyright Transfer and Page Charge Agreement" via electronic submission.

* Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering the partial cost of publication around August 2026. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_cs.html#5

* The accepted papers will be published online on the publishing websites (IEEE Xplore) after the payment is completed as an advance publication. For detailed information, please visit https://www.ieice.org/eng/shiori/page2_cs.html#8