

## Call for Papers

### ----- Special Section on Recent Progress in Networking Science and Practice in Conjunction with Main Topics of ITC32 -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Recent Progress in Networking Science and Practice in Conjunction with Main Topics of ITC32" in the **December 2021** issue.

The international teletraffic congress (ITC) is the first international conference in networking science and practice. Since 1955, ITC has established a multi-decade tradition as the primary forum for presenting and discussing the latest technical advances in teletraffic models, network systems, and measurements. The ITC32 is the 32nd edition of this congress and will be held in Osaka during September 22-24, 2020. The research on the network science and practice, especially on the modelling, design and performance of communication systems, networks and services will be presented at ITC32.

This special section aims at timely dissemination of progressing research fields in networking science and practice. Submission of the paper presented at ITC32 is strongly encouraged. However, presentation of the paper at ITC32 is not mandatory for its inclusion in this special section.

#### 1. Scope

This special section aims at timely dissemination of progressing research fields in networking science and practice, especially researches on the modelling, design and performance of communication systems, networks and services. We encourage original contributions which bridge the gap between performance modeling and real-life operational aspects, including works which leverage measurement data to provide a better understanding of the wired and wireless networks' operation under realistic conditions.

The topics covered by this special section include the following topics.

- Performance evaluation, control, and optimization based on network science and model
- Network measurement and analysis
- Modeling and design of network architectures
- Modeling and design of wireless and cellular networks

#### 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](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](https://review.ieice.org/regist/regist_baseinfo_e.aspx) by **January 15, 2021 (JST)**. Authors should choose the **Recent Progress in Networking Science and Practice in Conjunction with Main Topics of ITC32** as a "Journal/Section" on the online screen. Do not choose [Regular EB].

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#### 3. Special Section Editorial Committee

**Guest Editor-in-Chief:** Hideyuki Shimonishi (NEC)

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**Guest Associate Editors:** Masaki Aida (Tokyo Metropolitan University), Keisuke Ishibashi (ICU), Megumi Kaneko (NII), Ryoichi Kawahara (Toyo University), Leibnitz Kenji (NICT), Zhisheng Niu (Tsinghua University),

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\* At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit

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\* The accepted papers will be published online soon after notification of acceptance on the web site of Transactions Online. For detailed information, please visit [https://www.ieice.org/eng/shiori/page2\\_cs.html#8](https://www.ieice.org/eng/shiori/page2_cs.html#8)