

The IEICE Transactions on Communications announces that it will publish a special section entitled “Special Section on Communication Quality in Wireless Networks” in the July 2018 issue.

With the requirement of evaluating mobile users’ quality of experience (QoE) and the appearance of wireless networks accommodating new wireless devices such as Internet of Things (IoT), understanding QoE in wireless networks becomes a challenge. To improve the quality in these wireless networks, it is required to establish efficient network design technologies which enable technical advances in each layer such as MIMO, diversity, access control, wireless resource management, and wireless physical layer security. The integration of these technologies over existing layers and comprehensive treatment of various wireless technologies such as wireless network protocol designs considering user and machines’ behaviors should also be considered. For the above mentioned reasons, we call for publications in a special section (scheduled to appear in the July 2018 issue) in order to further promote research activities and related state-of-the-art technologies on communication quality in wireless networks.

1. Scope

This special section aims at timely dissemination of research in these areas. Possible topics related to communication quality for wireless networks include, but are not limited to:

- Cross-Layer Wireless Network Design: Wireless Transmission Efficiency Evaluation, Quality of Service (QoS), and Quality of Experience (QoE)
- Communication Quality Enhancement Technologies for Wireless Networks: MIMO, Diversity, Multiplexing, and Wireless Resource Management
- Wireless Network Protocol Design
- Communication Quality for Internet of Things (IoT) and Machine-to-Machine (M2M)
- Wireless Physical Layer Security

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, http://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 August 17th, 2017 (JST). Authors should choose the Communication Quality in Wireless Networks as a “Journal/Section” on the online screen. Do not choose [Regular EB].

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3. Special Section Editorial Committee

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