

The IEICE Transactions on Communications announces that it will publish a special section entitled “Special Section on Communication Technologies and Service Qualities in Various Access Networks” in the July 2019 issue.

The progress of the research and development on high-capacity communication networks and sophisticated communication devices enables a variety of network services to be provided anytime and anywhere. In addition to various communication systems and networks, their assessment, measurement, design, management, control, and optimization methodologies are key technologies for future network services and applications. The communication environment is drastically changing with the emergence of big data, artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) technologies. In preparation for network environment satisfying diversified demands for communication qualities in access and user-area networks, we have to develop not only individual technologies for communication systems, services, or applications but also their cross-cutting and cooperative technologies in consideration of user behaviors. Because of such reasons, a special section is being planned (scheduled to appear in the July 2019 issue) to further promote research and development on communication technologies and service qualities in various access networks.

1. Scope

The scope of this special section includes not only communication technologies and qualities but also their multidisciplinary researches for access and user-area networks. Possible topics include, but are not limited to:

- access network technologies
(optical/wireless access, optical-wireless integration, cross layer, signal processing, virtualization, and security)
- quality of service (QoS) and quality of experience (QoE)
- reliability and energy-saving technologies in network services
- assessment, measurement, design, management, control, and optimization methodologies
- network services and applications
- subjective and objective quality assessments of voice, audio, video, and haptic media
- incentive, user utility, and user behavior in networks services
- QoS for IoT/M2M, edge/fog computing, and smart city

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, [Hhttp://www.ieice.org/eng/shiori/mokuji_cs.html](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 1, 2018 (JST). Authors should choose the Communication Technologies and Service Qualities in Various Access 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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