

Special Section on Quality of Diversifying Communication Networks and Services

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Quality of Diversifying Communication Networks and Services" in **January 2015**.

With the progress of seamless wired/wireless network technologies and advancement of communication terminals such as smartphones, diversified communication services have been provided through communication networks. In addition to infrastructure improvements, e.g. broadband access networks, network virtualization technologies, cloud technologies, and multimedia compression technologies, the stable provision of diversified services requires advanced operation, management, and assessment techniques. To meet such quality requirements and provide secure and reliable network services, it is important to build technologies for measuring, assessing, managing, and visualizing the communication quality, and network operation technologies. Because of such reasons, a special section is being planned (scheduled to appear in the January 2015 issue) to further promote research and development on the quality of diversifying communication networks and services.

1. Scope

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

- Measurement and control methodologies of wired/wireless networks
- Evaluation, modeling and use cases of reliability and security in wired/wireless networks
- Quality management systems based on measurement of wired/wireless networks and their use cases
- Network measurement, design and control methodologies for improving communication quality
- Modeling and simulation for improving communication quality
- Network quality and quality of experience (QoE)
- Assessment and management of QoE
- Subjective and objective quality assessments of voice, audio, and video media
- Quality of ultra-realistic communication and multi-sensory media communication
- Quality of services and incentive/user utility/user behavior
- Evaluation, modeling and use cases of service satisfaction
- Novel concept of communication quality

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 (TeX/Word files, figures, authors' photos and biographies) via the IEICE Web site https://review.ieice.org/regist/regist_baseinfo_e.aspx **by April 30, 2014 (JST)**. Authors should choose Quality of Diversifying Communication Networks and Services as a "Journal/Section" on the online screen. Do not choose [Regular-EB].

Contact point:

Ryogo Kubo

Department of Electronics and Electrical Engineering, Keio University

Tel: +81-45-566-1763, Fax: +81-45-566-1529, Email: cq_ac-eb15@mail.ieice.org

3. Special Section Editorial Committee

Guest Editor-in-Chief: Hideaki Yoshino (Nippon Inst. Tech.)

Guest Editor: Ryogo Kubo (Keio Univ.), Hideyuki Shimonishi (NEC)

Guest Associate Editors: Koichi Gyoda (Shibaura Inst. Tech.), Masaaki Kurozumi (NHK), Akira Takahashi (NTT), Takashi Taniguchi (Osaka Gakuin Univ.), Masato Tsuru (Kyushu Inst. Tech.), Kiyohide Nakauchi (NICT), Go Hasegawa (Osaka Univ.), Toru Hasegawa (Osaka Univ.), Junichi Suga (Fujitsu Labs.), Takeshi Yamada (Univ. Tsukuba), Hisao Yamamoto (Tokyo City Univ.), Kyoko Yamori (Asahi Univ.)

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

* Please note that if the submitted paper is accepted, all authors, including authors of invited papers, are requested to pay for the page charges covering partial cost of publications. Authors will receive 50 reprints.

* 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 <http://www.ieice.org/eng/member/OM-appli.html>