Call for Papers

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].

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