

## Call for Papers

### ----- Special Section on Communication Quality -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Communication Quality" in **May 2008**.

As telecommunications technologies advance, everyone has been able to communicate more easily with others and enjoy video content through the Internet. The primary factors behind voice and video communication delivery are the improvements in the high-capacity telecommunications infrastructure and the enhancement of telecommunications service operations, management, and evaluation techniques essential for stable service delivery. Furthermore, the age is right around the corner where terminals using haptic devices and home information appliances can be connected to a ubiquitous network across fixed and mobile telecommunications boundaries. Under these circumstances, users are expected to demand higher quality and reliability for voice, video, data communications, and other telecommunications services including media for the five senses. To meet such user expectations, it is important to build technologies for measuring, assessing, and managing the quality and reliability of telecommunications services. Because of such reasons, a special section is being planned (scheduled to appear in the May 2008 issue) to further promote research and development of future communications quality.

#### 1. Scope

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

- media for the five senses, haptic devices etc.
- assessment of user satisfaction (modeling and examples)
- subjective and objective assessments of audio and video media quality
- definition and modeling of application level QoS
- relationship (mapping) among network quality, application level QoS and media quality
- measurement methodology for network quality such as IP, TCP and routing
- quality management system based on network measurement and its practical use
- reliability and security assessments of communications infrastructure (modeling and examples)

#### 2. Submission Instructions

Prospective authors are requested to send four copies of manuscripts (the length is recommended within 8 printed pages for a paper, 2 printed pages for a letter) to the following address **by August 17, 2007**. Manuscripts should be prepared according to the guideline given in the "Information for Authors". The latest version is available at the web site, [http://www.ieice.org/eng/shiori/mokuji\\_cs.html](http://www.ieice.org/eng/shiori/mokuji_cs.html).

This special section will accept only papers by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

1. Submit a paper using the IEICE Web site [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx). The acceptable format of the file is PDF file. Authors should choose the [Special-EB] Communication Quality as a "Type of Issue (Section)/Category of Transactions" on the online screen. Do not choose [Regular-EB].
2. Send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" by postal mail (NOT by FAX or E-mail) to the following address (guest editor of the special section) **by August 17, 2007**. Please write "Special Section on Communication Quality" on the envelope.

We cannot start the review process without them, even if we receive the manuscript. For additional guidelines on manuscript preparation, please visit the web-page: [http://www.ieice.org/eng/shiori/mokuji\\_cs.html](http://www.ieice.org/eng/shiori/mokuji_cs.html)

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#### 3. Special Section Editorial Committee

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\* Please note that if accepted, all authors, including authors of invited paper, are requested to pay for the page charges covering partial cost of publications. Authors will receive 50 copies of 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 the web-page, <http://www.ieice.org/eng/member/OM-appli.html>