

Call for Papers

Special Section on Advanced Transfer Technologies for the Next Generation Network

The Next Generation Network (NGN) has been discussed in ITU-T and other standard committees actively. This network is expected to integrate legacy phone service and data service networks using IP technologies. Moreover, NGN should accommodate traffic by new application and services in addition to one by these legacy networks. One of most important issues is realization of transfer technologies with high speed and functionalities for NGN. For example, the following issues should be discussed; implementation issues of access, metro and core networks, and architecture for cooperation among these networks to provide guarantee of QoS and reliability for End-to-End communication. Therefore, the communication society in IEICE plans the special section to analyze and to solve these technical issues. This special issue will be published on **May, 2007**.

Scope

The topics of interest include, but are not limited to, the following areas:

- Network architecture for NGN
- Technologies of broadband access networks including optical, mobile, and these combinations
- Technologies of metro and core networks
- Technologies for high reliability communication
- QoS control technologies
- Traffic control technologies for end-to-end communication
- Switching technologies
- Optical transmission and control technologies
- TDM emulation over packet network technologies
- Performance evaluation technologies
- Standardization and future view

Submission instructions

Papers must be submitted by **August 31, 2006**. 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.html>, or you can refer to its brief summary attached to IEICE Transactions. The length of the paper should not exceed 8 printed pages in principle. The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for other issues (60 days) because of the tight review schedule. In this special section, only electronic submission is accepted. Prospective authors are requested to follow the submission process described below carefully.

[IMPORTANT NOTICE] At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception.

1. Submit papers using the IEICE web site https://review.ieice.org/regist_e.aspx. The PDF file format is the only acceptable file format. Any other file formats, e-mail submission, or postal mail are NOT acceptable. Authors should choose "[Special-EB] Advanced Transfer Technologies for the Next Generation Network" in type of Issue (section)/Category of Transactions" on the online screen. Do not choose [Regular-EB] Communications or other special sections.
2. The "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" must be sent by postal mail to the following address (secretariat of this issue). Please write "Special Section on Advanced Transfer Technologies for the Next Generation Network" on the envelope.

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