

Call for Papers

IEICE Transactions on Communications Special Section on Networking Technologies for Overlay Networks

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Communications announces a forthcoming Special Section on "Networking Technologies for Overlay Networks" to be published in September 2006.

With the increase of network bandwidth resulting from the popularity of xDSL and FTTH, and with the advances in mobility technology such as cellular phones and hot spot services, users' Internet usage patterns have become diverse. Accordingly, new services using overlay networks such as P2P, IP-VPN, CDN, and grid computing, are being developed and deployed. An overlay network is a logical high layer network constructed over the IP network for each service. It leads to increased traffic with new characteristics while new services can be introduced flexibly. This has a large influence not only on the design and management of the overlay network but also on those of the underlying IP networks.

This special section aims to promote understanding of the trend of the latest network technology concerning overlay networks from such a background and to promote further research and development.

Scope:

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

- * Network performance measurement
- * QoS control and management
- * Traffic engineering and modeling
- * Network resource control/management
- * Routing
- * Active network
- * Multicasting
- * Network operation and management
- * Congestion and flow control
- * P2P
- * Dynamic topology control
- * Policy control
- * Contents delivery
- * Next generation Internet architecture

Submission Instructions:

Papers must be submitted by **December 15, 2005**. 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 the [Special-EB] Networking Technologies for Overlay Networks as a "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 Networking Technologies for Overlay Networks" on the envelope.

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