

Call for Papers

Special Section on Networks Software

The IEICE Transactions on Communications announces a forthcoming Special Section on “Networks Software” to be published in **April 2007**.

Dissemination of the Internet has brought telecommunication network innovation in design ideas for function assignments between networks and terminals, networks configuration, reliability, security, etc. Study issues on interaction functions with existing networks and service control function for providing various services have been raised.

The objective of this Special Issue is to discuss technical issues on software which provides next generation networks services, managing and operating networks and controlling networks, and to discuss problems on the development, test and evaluation of networks software. It is also to present future networks software technologies and existence of networks services widely.

1. Scopes

Suggested topics include but are not limited to the followings. However, topics should be focused on networks software technologies.

- Networks service control software
Ubiquitous services, Real time multi-media streams, Social-ware, E-commerce, Authentication, Security, Copyright protection, E-learning
- Core technologies for networks software
Bandwidth On Demand, IP securities, Mobile IP, IPv6, Protocol conversion, SIP, 4th generation mobile telecommunication, Ad-hoc network, Overlay network, P2P, Home-network, CDN, Grid, Web Services, NGN (Next Generation Network), FMC (Fixed Mobile Convergence)
- Specific networks software technologies
Agent (Personal, Mobile, Network), Programmable network, Progressive software, Component, Open API (JAIN/Parlay), Java/EJB, Real time system, Highly reliable system, Distributed objects, Aspect oriented software, Distributed processing platform, Development environment, Design paradigm, Specification description, Specification verification

2. Submission Instructions

Papers must be submitted by **July 20, 2006**. Manuscript should be prepared according to the guideline given in the “Information for Authors”. The latest version of it is available at the web site,

http://www.ieice.org/eng/shiori/mokuji_cs.html, or you can refer 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 the electric submission is adopted. Prospective authors are requested to follow carefully the submission process described below.

[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 acceptable format of the file is PDF file. Other any files, e-mail submission, and postal mail are NOT acceptable. Authors should choose the [Special-EB] Networks Software as a “Type of Issue/Category of Transactions” on the online screen. Do not choose [Regular-EB] Communications or other special sections.
2. “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 mark “Special Section on Networks Software” on the envelope.

Shoji Kimura

NTT Network Service Systems Laboratories

3-9-11 Midori-Cho, Musashino Shi, Tokyo 180-8585, Japan

TEL: +81-422-59-4505, FAX: +81-422-59-3494, E-mail: kimura.shoji@lab.ntt.co.jp

3. Special Issue Editorial Committee

Editor-in-Chief: Yasushi Wakahara (Univ. of Tokyo)

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