

# Call for Papers

## IEICE Transactions on Communications Special Section on Ad Hoc and Mesh Networking for Next Generation Access Systems

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Communications announces a forthcoming Special Section on “Ad Hoc and Mesh Networking for Next Generation Access System”, to be published in **March 2009**. With rapid advancement of cost effective wireless communication devices, self-organizing decentralized multihop mobile networks receive attentions as the key technology in the next wireless access networks. Ad hoc networks and mesh networks are user-oriented deployment of them, and they are expected to provide people with new services such as local community network services. Also, cooperation technology with multihop networks and base stations will enable coverage area extension of existing cellular networks. For successful deployment of expected network service, many issues such as cross-layer design, reliability, feasibility study using test-beds need to be further investigated in addition to study of basic component technology including MAC and routing protocols. This special section will present the latest innovative works on ad hoc and mesh networking technology with a purpose to promote the progress of R&D in this field.

### Scope:

Scopes of the special section include, but are not limited to, the followings:

- |                                                                |                                    |
|----------------------------------------------------------------|------------------------------------|
| (1) Architectures, Cross layer design                          | (2) QoS control, power management  |
| (3) Internetworking with the cellular network and the Internet | (4) Test-bed, experiment           |
| (5) Performance evaluation model                               | (6) MAC protocol, routing protocol |
| (7) Reliability, security                                      | (8) Applications and services      |

### Submission Instructions:

The deadline for submission is **July 14, 2008**. Manuscript should be prepared according to guidelines 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). The length of the paper should not exceed 8 printed pages in principle. The term for revising the manuscript after receiving notification 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 submissions are accepted. Authors are requested to follow carefully the submission process described below.

1. Submit papers using the IEICE Web site [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx). Authors should choose the [**Special-EB**] **Ad Hoc and Mesh Networking for Next Generation Access Systems** as a “Type of Issue/Category of Transactions” on the online screen.
2. “Copyright Transfer and Page Charge Agreement” and “Confirmation Sheet of Manuscript Registration” must be sent by postal mail to the following address (Guest Editor of this issue) so as they arrive within the deadline. Please make a note “Special Section on Ad Hoc and Mesh Networking for Next Generation Access Systems” on the envelope.

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*\*Please note that if accepted for publication, all authors including authors of invited papers, should pay for the page charges covering partial cost of publications. Authors will receive 50 copies of the reprint.*

*\* At least one of the authors must be an IEICE member when the manuscript is submitted for review.*