

## Call For Papers

# JCN SPECIAL ISSUE ON TOWARDS THE NEXT GENERATION MOBILE COMMUNICATIONS

PUBLICATION DATE: JUNE 2005

What comes after 3G? For several years, research and standardization activity have been aimed at providing a framework for specifying requirements and create consensus on a vision for 4G mobile systems. This special issue intends to offer the reader a selection of contributions on hot topics and the state-of-the-art. High-quality contributions are solicited by the Guest Editors:

**Dr. Davide Grillo, Alcatel Italia, Italy, [davide.grillo@alcatel.it](mailto:davide.grillo@alcatel.it)**

**Prof. Yong Hwan Lee, Seoul National University, Korea, [ylee@snu.ac.kr](mailto:ylee@snu.ac.kr)**

**Dr. Edward Tiedemann, Qualcomm, USA, [etied\\_jcn@qualcomm.com](mailto:etied_jcn@qualcomm.com)**

**John Visser, P.Eng., Nortel Networks, Ottawa, Canada, [jvisser@nortelnetworks.com](mailto:jvisser@nortelnetworks.com)**

**Prof. Bernhard Walke, Aachen University of Technology, Germany, [walke@comnets.rwth-aachen.de](mailto:walke@comnets.rwth-aachen.de)**

The topics include but are not limited to the following:

- ✓ Ad-hoc and mesh networks
- ✓ Advanced mobile services in developing markets
- ✓ Beyond 3G vision
- ✓ Broadband channel models
- ✓ Business models for 4G systems
- ✓ Characterization of multimedia mobile services
- ✓ Convergence of fixed and mobile networks
- ✓ Deployment concepts for 4G
- ✓ Emerging roles in the value chain
- ✓ Interoperability strategies (2G/3G/4G, PLMNs/WLANs)
- ✓ Multiple access techniques
- ✓ Network architecture for mobile broadband
- ✓ Network sharing policies
- ✓ QoS control architectures for 4G systems
- ✓ Satellite component of beyond IMT-2000
- ✓ Software defined radios
- ✓ Space-time processing
- ✓ Spectrum for 4G
- ✓ Traffic engineering of 4G systems
- ✓ Virtual home environment support
- ✓ WLANs and Wireless Broadband

Continuing JCN's tradition of fast turnaround together with full peer reviews, the following schedule has been set:

- |                          |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>February 15, 2005</b> | Electronic manuscript (.ps or .pdf) submission to JCN website<br>[An earlier note to editors with intent to submit will be appreciated.] |
| <b>April 15, 2005</b>    | First reviews returned to author                                                                                                         |
| <b>June 15, 2005</b>     | Special Issue published                                                                                                                  |

Electronic submissions will be made to JCN website. Information about submissions is available on the JCN web site, <http://jcn.or.kr>. Please direct inquiries and intent to submit notifications to any one of the Guest Editors.

JCN is a high-quality quarterly archival journal, published by the Korean Institute of Communications Sciences with the technical co-sponsorship of the IEEE Communications Society, covering the fields of Communication Theory and Systems, Wireless Communications, and Networks and Services. JCN began publication in March 1999.