



Special Issue on “Convergence of Heterogeneous Wireless Systems in Future Internet”

Future Internet envisions the synergy among heterogeneous wireless communications will co-exist providing the end user the “flexibility and choice”, to improve his/her quality of life. The integration of heterogeneous networks in multi-access and multi-operator environment is revolutionizing the ICT area, introducing new opportunities, better communication channels and an enhanced quality of provided applications and services. In this environment, a user is able to connect to a number of heterogeneous RATs (Radio Access Technologies), either covering the same, or complementing geographical areas. These networks can be macro-cellular, WLANs, femto-cellular or even ad-hoc. In this environment, seamless mobility is coupled according to user preferences, enabling mobile users to be “Always Best Connected” (ABC) so that Quality of Experience is optimised and maintained.

Topics of interest

The proposed Special Issue will report the results of latest research efforts on convergence among heterogeneous wireless systems in Future Internet. We solicit papers that cover a variety of topics including, but not limited to:

- Wireless Network Architectures
- Middleware for Wireless Converged Networks.
- Wireless Convergence in Future Internet Initiatives (e.g. FIRE, GENI etc)
- IP-based Mobility Management
- Efficient Handover Algorithms and RRM in heterogeneous wireless networks
- Cross-Layer Schemes
- Modeling, performance evaluation, simulation, and optimization techniques
- Wireless network testbeds and applications
- QoE in wireless converged networks

Submission Procedure:

Authors should follow the *Wireless Personal Communications* Journal manuscript format described bellow at the journal site: <http://www.editorialmanager.com/wire>

Sources of papers and referees:

The guest editors have made initial contacts with several researchers in the field of wireless networks as potential sources of papers and referees. Initial reactions have been quite supportive. In order to solicit papers, a call for papers will be prepared, in order to properly and widely advertise the proposed special issue. Possible dissemination media are the official Web site of the Journal as well as the mailing lists of specialized groups (TCCC, ITC, several main conferences in the field, etc). In addition, we intend to invite contributions from distinguished researchers that are active in the related fields, so that they submit their articles for possible inclusion in the special issue.

Important Dates:

Paper submission due: **February 15, 2012 (extended, firm deadline)**
Author notification: **April 30, 2012**
Camera-ready due: **End of 2012**

Guest Editors

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