
CALL FOR PAPERS

WORKSHOP ON “HETEROGENEOUS NETWORKS INTEGRATION AND APPLICATIONS”

CO-LOCATED WITH THE 11TH — INTERNATIONAL WIRELESS COMMUNICATIONS & MOBILE
COMPUTING CONFERENCE — IWCMC 2015

IEEE SPONSORED [HTTP://IWCMC.ORG/2015](http://iwcmc.org/2015)

AUGUST 24-27, 2015 DUBROVNIK, CROATIA

AIMS AND SCOPE

Future wireless communication networks have to face with new challenges and requirements driven by economy, society, environment, users and operators to achieve a sustainable and secure society. In this context, numerous devices and networks will be interconnected and the traffic demand will constantly rise. The networks will become dense and complex, with multiple operating spectrum bands, technologies and access layers with different characteristics. Heterogeneity will be a necessary feature in each operating environment. However, the lack of an effective management of these heterogeneous infrastructures and their integration, will lead to an inefficient use of the wireless network resources and shall not guarantee the expected requirements.

The Workshop on “HETEROGENEOUS NETWORKS INTEGRATION AND APPLICATIONS” will be held in conjunction with IWCMC 2015. The Workshop on provides a forum for engineers and scientists in academia, industry and government to present their latest research findings in communication technologies in Heterogeneous Networks integration and management with references either to commercial and professional communication worlds. The workshop explores fundamental questions regarding the integrations of heterogeneous access points and the management of composite wireless infrastructures capable of handling the complex context of operations characterized by multiple requirements, a huge increase in traffic, different mobility levels and interference.

AREAS OF INTEREST

The areas of interest for the Workshop on “Heterogeneous Networks Integration and applications” include, but are not limited to, the following:

- Heterogeneous Cellular Networks (HetNet)
- Cloud radio Access Network (C-RAN)
- Multi RAN Networks
- Resource allocation in HetNets
- Interference Management in HetNets
- Self-Organizing Networks (SON)
- Multi Technology Interworking
- Backhaul and networking
- Mobility Management and handover
- Cognitive, cooperative, and reconfigurable networks

- Analysis of future trends for HetNet
- Regulation and standardization for cooperative HetNet
- Integration of communication and computing
- Heterogeneous networking
- Software Defined Radio
- Demo and field trials

The purpose of this workshop is to stimulate the study of new solutions for integration of heterogeneous communications networks.

SUBMISSION GUIDELINES

Prospective authors are invited to submit original technical papers — up to 6 pages of length, using the EDAS link: <https://edas.info/newPaper.php?c=17297> for possible publication in the IWCMC 2015 Conference Proceedings, which will be submitted to IEEEExplore Digital Library. Selected papers will be further considered for possible publication in five special issues in the following Journals:

- 1) *Wiley Journal of Wireless Communications and Mobile Computing* (WCMC)
<http://www3.interscience.wiley.com/journal/76507157/home>
- 2) *International Journal of Sensor Networks* (IJSNet)
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
- 3) *The International Journal of Autonomous and Adaptive Communications Systems* (IJAACS)
<http://www.inderscience.com/ijaacs>
- 4) *KSII Transactions on Internet and Information Systems*:
<http://www.itiis.org>
- 5) *Peer-to-Peer Networking & Applications*:
<http://www.springer.com/engineering>

There will also be best paper awards.

IMPORTANT DATES

Paper Submission Deadline: ~~31 January 2015~~ 15 February 2015 (EXTENDED)

Paper Acceptance Notification: 15 April 2015

Camera-ready Paper Submissions: 10 May 2015

WORKSHOP ORGANIZING COMMITTEE

Honorary Chair

Prof. Romano Fantacci, University of Firenze, Italy

Workshop chairs:

Federico Frosali, Selex ES SpA, Italy

Dania Marabissi, University of Firenze, Italy

Daniele Tarchi, University of Bologna, Italy