

3rd Workshop on Multihop Wireless Network Testbeds and Experiments

This workshop, held in conjunction with the International Wireless Communications and Mobile Computing Conference (<http://iwcmc.org/>), July 1-5, 2013 in Cagliari, Italy intends to bring together researchers working in the broad area of experimental multihop wireless networking such as MANETs, WSN, VANETs, Wireless Mesh Networks, etc. While many conferences and workshops provide a venue to present and discuss protocols or system architectures in this space, most research work is typically done based on analytical models and/or extensive simulations. The focus of this workshop is to serve as a forum to share new ideas/experiences in all experimental aspects of multihop wireless networks and systems, and facilitate discussions of key unresolved challenges in this area. The workshop values results and insights obtained from working implementations more highly than those obtained solely from simulations, but papers explicitly comparing tested results and simulation results are highly solicited. Submitted papers should be original and previously unpublished. The list of topics includes, but is not limited to:

- Design & evaluation of wireless testbeds, prototypes and platforms
- Validation of existing simulation models, and results across different testbeds/evaluation methodologies
- Experiences/lessons from recent testbed deployments
- Wireless testbed case studies
- Industrial application and integrated innovation
- The use of multihop wireless testbeds in teaching and research
- Integration of diverse and distributed testbed infrastructures, testbed federations
- Testbed management issues and monitoring support
- Configurable hardware/software platforms for testbeds
- Experimental evaluation of applications and protocols
- Techniques for improving reproducibility of real-world testing
- Integrated tools/toolkits to ease transition between simulation and deployment
- New measurement methodologies and infrastructures
- Measurement and characterization (modeling) of real-world aspects of multihop wireless networks such as usage patterns, traffic, mobility and channel characteristics
- Innovative measurements methodologies & tools
- Testbed tools for interoperability, benchmarking and traffic measurements

Workshop Co-Chairs

Thomas Kunz, Carleton University
Marc St-Hilaire, Carleton University

Workshop Website

<http://kunz-pc.sce.carleton.ca/iwcmc2013/TestbedWorkshop.htm>

Submission Guidelines

Authors are invited to submit original papers of up to 6 pages including figures, tables, and references, in PDF format. Submission implies that at least one of the authors will register and present the paper at the conference. Electronic submission is accepted through the EDAS. Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link: <http://edas.info/newPaper.php?c=13371> for possible publication in the IWCMC 2013 Conference Proceedings, which will be included in IEEE Xplore. Selected papers will be further considered for possible publication in 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. The *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)*
www.inderscience.com/ijaacs
4. *KSII Transactions on Internet and Information Systems*
www.itiis.org
5. *Peer-to-Peer Networking & Applications*
<http://www.springer.com/engineering/signals/journal/12083>

There will also be best paper awards, one best symposium award, and one best Workshop award.

Important Dates

Paper submission deadline:	December 15, 2012
Paper acceptance notification:	March 15, 2013
Camera-ready paper submissions:	April 1, 2013
Author registration deadline:	April 1, 2013

Technical Program Committee Members

TBA