

3rd ACM International Workshop on Performance Monitoring, Measurement, and Evaluation of Heterogeneous Wireless and Wired Networks (PM2HW2N 2008)

October 27 - 31, 2008
Vancouver, British Columbia, Canada

To be held in conjunction with

The 11-th ACM/IEEE International Symposium on Modeling, Analysis
and Simulation of Wireless and Mobile Systems (MSWiM 2008)

GENERAL INFORMATION

Wireless networks, including WLAN, WiMax, wireless personal networks, ad hoc, sensor, along with pervasive networks, have witnessed their fastest growth period over the last few years and have become increasingly complex. Nonetheless, performance evaluation and analysis of wireless networks have been conducted mostly through software simulations (e.g., using ns-2 or OPNET tools). Recently, research efforts have been directed towards measuring real-world commercial and experimental networks; constructing models based on real-world data and using prototypes to evaluate solutions more realistically and comprehensively and to validate assumptions and conclusions that are reached via simulation experiments.

Performance monitoring, measurement, and evaluation of heterogeneous wired and wireless mobile networks pose a new set of unique challenges due to the particular inherent properties of these systems and due to the characteristics of the wireless transmission medium.

The aim of this workshop, which last year's edition was held in Chania - Greece, is to bring together scientists, engineers, and practitioners in order to share and exchange their experiences, discuss challenges, and report state-of-the-art and in-progress research on all aspects of performance measurements, monitoring, and evaluation of heterogeneous wired and wireless mobile networks, including, wireless ad hoc, sensor, and ubiquitous networks.

IMPORTANT DATES

Submission Deadline: 1st June 2008 10th June 2008 (Due the numerous request, the submission deadline was extended)

Author Notification: 19th July 2008

CameraReady: 4th August 2008

Author Registration Deadline: 10th August 2008

TOPICS OF SPECIAL INTEREST

Topics of interest include, but are not limited to:

- Performance measurement, monitoring, and evaluation tools for heterogeneous wireless and wired networks
- Performance tools for ad hoc, sensor, and ubiquitous networks
- Tracing and trace analysis
- Discrete and continuous models
- Measurement architectures and systems
- Measurement-based performance comparison
- QoS monitoring and sampling
- Measurement-based optimisation of for heterogeneous wireless and wired networks
- Novel measurement tools of wireless networks
- Performance measurements of ad hoc, sensor, and ubiquitous networks
- Performance analysis and evaluation of mobile services
- Software tools for wireless network performance and evaluation
- Automatic performance analysis
- Performance of wireless and sensor devices
- Mobility modeling and management
- Traffic modelling and engineering
- Prototype implementation of wireless/mobile networks and systems
- Techniques for prototyping wireless networks
- Validation through measurement and prototyping
- Software technologies and systems for rapid prototyping and measurement of wireless networks
- Predictive performance models of ad hoc, sensor, and ubiquitous networks
- Probabilistic models for ad hoc, sensor, and ubiquitous networks
- Improvement in network performance through prototyping
- Performance and security issues in ad hoc, sensor, and ubiquitous networks
- Performance and power management control
- Case studies demonstrating the role of performance monitoring, measurement, and evaluation in the design of ad hoc, sensor, and ubiquitous networks
- Applications of performance monitoring, measurement, and evaluation as a feedback to improve network QoS Mobile and Wireless Networking

INSTRUCTION FOR AUTHORS

Authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the workshop. The length of the papers should not exceed 10 single-spaced pages, formatted using the ACM style. LaTeX2e and MS Word templates can be found at <http://www.acm.org/sigs/pubs/proceed/template.html>.

All papers will be peer reviewed and the comments will be provided to the authors. Accepted papers will appear in the workshop proceedings, published by ACM. At least one author of accepted papers is expected to attend the workshop to present its contribution.

Paper submission must be done electronically through the OpenConf system at <http://www.pm2hw2n08.acca-group.info/openconf>.

The complete list of authors' names must be inserted when registering the paper on the system. Authors names can be inserted in the paper: that is, there is no double blind review process. Each submission must be accompanied by the following information:

- a paper title
- a complete list of authors and their affiliations
- a contact person for correspondence (please check the correct e-mail is configured on the OpenConf system)
- at least one technical area where your paper would best fit
- a set of descriptive keywords
- a short abstract

For any question or problem related to PM2HW2N 2008 submission, please contact pm2hw2n08@dsi.uclm.es with e-mail Subject: "PM2HW2N 2008 submission problem".