



## 2<sup>nd</sup> IEEE Workshop on advanced EXPerimental activities ON WIRELESS networks & systems



EXPONWIRELESS - 2007

<http://www.ics.forth.gr/EXPONWIRELESS07>

18 June, Helsinki, Finland



*in conjunction with IEEE WoWMoM 2007 (<http://ieeewowmom.tml.hut.fi/>)*

### CALL FOR PAPERS

Wireless networks represent a challenging and ever growing research area. In these systems the interactions among the different network layers are very complex and their effects on the overall performance are not easy to accurately identify. Additionally, many simplifying assumptions considered in analytical studies do not hold in practise. Experimental activities involving the development of systems and device prototypes and the collection and analysis of measurements from actual networks can provide insight on the behaviour of such systems in realistic environments, which can be beneficial for understanding how cross-layer interactions impact in practise the overall performance, for deriving realistic simulation models, for analyzing particular phenomena and evaluating algorithms and protocols, and for exploring the design choices in building actual wireless networks. Such activities are pivotal for researchers, developers, service managers and providers, as well as for end users involved in the evolution of these networks.

After a successful first event last year, EXPONWIRELESS 2007 aims to again bring together all the aspects related to experimental activities on wireless networks, creating a forum where researchers, vendors, providers and users can exchange ideas on past experience, current requirements, and future visions, that are important for the development of new protocols, algorithms, devices and systems.

High quality papers discussing original and innovative experimental activities on wireless networks are solicited for submission. The main topics of the workshop are (but are not limited to):

- Device prototypes for wireless BANs, PANs, LANs, and MANs
- Prototype implementation of wireless/mobile networks and systems
- Deployment and experience with multi-hop multi-radio wireless mesh networks
- QoS for real-time voice/video in wireless networks
- Differentiated services in wireless multimedia networks
- Systems and methods for collecting and analyzing measurements in wireless networks
- Power control and channel assignment
- Algorithms for self-configuration and self-management of beyond-3G systems
- Seamless internetworking and architectures for beyond-3G systems
- Handoff and mobility management in beyond-3G systems
- Energy-efficient protocols and power management algorithms
- Wireless security
- Wireless vehicular networks
- Wireless/Mobile applications and services
- Middleware platforms for wireless/mobile environments
- Mobility models
- Location services
- Positioning and tracking technologies

### PAPER SUBMISSION AND PUBLICATION

Submitted manuscripts should adhere to the IEEE double-column standard format with 10pt font size for texts. Authors should use only standard fonts, i.e., Times Roman, Courier, Symbol, and Helvetica, or equivalent. The maximum length of the manuscript is 6 pages. This limit includes figures, appendix, bibliography, etc. Papers significantly exceeding this limit will be automatically rejected. All papers must be submitted in PDF format to the address [exponw@ics.forth.gr](mailto:exponw@ics.forth.gr).

Accepted papers will be published by the IEEE in the combined WoWMoM 2007 workshop proceedings.

### IMPORTANT DATES

Submission Deadline: February 11, 2007 (extended deadline)

Acceptance Notification: March 15, 2007

### WORKSHOP CO-ORGANIZERS

Rosario G. Garroppo, Dept. of Information Engineering, University of Pisa, Italy

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