First International MobiSys Workshop on

Mobile Opportunistic Networking

in conjunction with MobiSys2007

Sponsored by acm sigmobile

Puerto Rico 11 June 2007

http://cnd.cnr.iit.it/mobiopp07

The First ACM/SIGMOBILE International Workshop on Mobile Opportunistic Networking

Preliminary CALL FOR PAPERS

Opportunistic Networks are one of the most exciting evolutions of the legacy Mobile Ad hoc Networking (MANET) paradigm, in which the assumption of complete paths between data senders and receivers is released. Opportunistic Networks enable users communication in disconnected environments, in which island of connected devices appear, disappear, and reconfigure dynamically. The network is thus extremely dynamic, and is formed by the evolving contacts among mobile devices, and among connected clouds of devices. In this view, legacy-Internet connectivity is just a particular connectivity opportunity. Opportunistic Networks thus encompass the features and methods of delay or disruption tolerant networks (DTN). They are very suitable to support the pervasive networking scenario, in which a huge number of devices carried by users and embedded in the environment communicate wirelessly without requiring any pre-existing infrastructure. By enabling end-to-end communication without requiring complete paths, Opportunistic Networks are much closer to real pervasive networking scenarios, with respect to the legacy MANET paradigm.
Original contributions are solicited, related to systems and protocols design, development and analysis, in all areas related to Opportunistic Networking. Topics of interest include, but are not limited to:

* Architectures for opportunistic networks
* (Killer) applications for opportunistic networks
* Middleware services in opportunistic networks
* Dissemination and replication techniques for opportunistic networks
* Resource management techniques for opportunistic networks
* Transport and reliability issues in opportunistic networks
* Routing issues in opportunistic networks
* Wireless link design and optimisation for opportunistic networks
* Opportunistic Networking in Wireless Sensor Networks
* Security issues in opportunistic networks
* Trust and cooperation in opportunistic networks
* Mobility models for opportunistic networks
* Tools and techniques for designing, analyzing and building opp. networks
* Opportunistic networks testbeds and measurements
* Opportunistic networks performance modeling

Papers Submission and Publication
Papers must not be already under submission for any other publication. Paper submissions for regular papers must be limited to 8 pages including text, figures, references, and appendices; single- or double-column are fine for submissions. The font size used in the text of your submission must not be smaller than 10 points. Papers significantly exceeding the maximum length of 8 pages will be automatically rejected. Submission implies the willingness of at least one author to attend the workshop and present the paper. **Please check out the workshop website for the complete instructions.**

Extended versions of workshop selected papers will be considered for possible fast track pubblication on the Pervasive and Mobile Computing Journal (Elsevier).

The workshop is jointly organized by

Istituto di Informatica e Telematica

NETWORK RESEARCH LAB. Computer Science Dept. UCLA

Important dates
EXTENDED Papers Due:
March 15, 2007
Notification of Acceptance :
April 15, 2007
Camera - ready Due:
April 25, 2007