

Overview :

The rapid deployment of wireless infrastructures in various environments triggers new applications and services that in turn generate a richer set of traces for analysis. There is a need for more realistic models of traffic, mobility, and association patterns. This can be beneficial in capacity planning, administration, and deployment of wireless infrastructures, protocol design for wireless applications and services, and their performance analysis.

The Wireless Traffic Measurements and Modeling workshop is intended to serve as a forum for scientists and engineers in academia and industry to exchange and discuss their experiences and research results about all aspects of measurements and modeling of applications, usage, access, load, and mobility in wireless networks. It will also initiate discussions on how to use these models to improve the performance of wireless networks. Furthermore, it aims in enhancing and accelerating the process of sharing traces, implementations, and test suites.

In this workshop, we would like to solicit short, 6-page papers that report on experiences obtained from operational wireless experiments in testbeds or the field. Along with regular presentations we plan to have invited speakers and/or panel discussions that encourage more active participation of the attendees.

Topics of particular interest include but are not limited to:

- * Methods for collecting and analyzing measurements in different wireless environments (infrastructures, sensor networks)
- * Workload characterization and traffic analysis
- * User mobility modeling
- * Measurements and predictions of user access over multiple networks
- * Software tools in support of measurements
- * Measurement-based inference of network properties (for normal or abnormal behavior, network topology, hot spots)
- * Design of monitoring systems, sampling methods, and anomaly detection
- * Temporal and spatial evolution of wireless networks
- * Evaluation of forecasting algorithms for wireless traffic load
- * Comparative analysis on different wireless networks
- * Techniques for improving the repeatability of tests

Important Dates

Full Papers due:	April 15, 2006 Midnight US EST
Notification of Acceptance:	June 1, 2006
Camera-ready Manuscripts due:	July 1, 2006
Conference Dates:	August 5 2006

Organizing Committee

Chair :

Dr. Maria Papadopoulh University of North Carolina, Chapel Hill & FORTH

Web Masters :

Manolis Ploumidis – FORTH

Elias Raftopoulos – FORTH

Technical Program Committee

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