

# CALL FOR PAPERS RAWNET 2007

**The 3rd workshop on Resource Allocation in Wireless NETWORKS**  
(Co-located with IEEE WiOpt 2007, April 16th, Limassol, Cyprus)



This workshop focuses on models and techniques for addressing resource allocation problems in wireless networks. Resource management in wireless environments is extremely complex due to the specific characteristics of wireless communications, such as user mobility, interference, the intrinsically scarce bandwidth, and the highly variable and unpredictable propagation conditions. These features present a vast range of novel and fundamental challenges as wireless networks evolve to support an expanding variety of data applications. In particular, data streams have drastically different traffic characteristics and Quality-of-Service requirements from voice services, urging a radical overhaul of voice-centric air-interface and resource allocation paradigms. In addition, existing congestion control protocols for data flows like TCP were originally designed for wire-line networks, and are not well-suited to wireless links which are inherently slow and error-prone. A further dimension of complexity stems from the growing diversity in network architectures, as wireless LAN's and ad hoc networks rapidly proliferate, giving rise to a wide spectrum of pricing and routing issues.

Paper submissions will be handled electronically via EDAS system: <http://www.edas.info>. Authors should prepare a PDF or a PostScript version of their full paper. Papers must be no longer than 8 double-column pages, font size not smaller than 11 points, and can be prepared using the standard IEEE format.

The workshop proceedings will be listed in the IEEEXplore and the IEEE digital library.

## Specific topics of interest include (but are not limited to) :

- Air-interface scheduling ;
- Cross-layer design ;
- Dimensioning, provisioning and traffic engineering ;
- Load balancing and routing ;
- Models and techniques for optimization of wireless networks ;
- Performance evaluation methods for wireless networks ;
- Power control and energy-efficient communication ;
- Pricing and incentive schemes in ad-hoc networks.

## Important dates :

**Paper submission deadline** : December 15, 2006

**Notification of acceptance** : January 31, 2007

**Camera-ready papers due** : March 1, 2007

**Early registration deadline** : March 1, 2007

## Sponsored by :

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