

Call for Papers
IEEE GLOBECOM 2004 Workshop
IEEE International Workshop on Adaptive Wireless Networks (AWIN)
(Formerly called Workshop on Online Algorithms for Mobile Wireless Computing and Networking)
December 3rd, 2004, Dallas, Texas, USA
<http://www.globecom2004.org/>

Wireless mobile computing and networking deal with inherently online problems. An adaptive/online problem/algorithm is one that has to make optimal decisions for the future based solely on past and current information. These decisions could be, for example, choosing a transmission power level for the next packet based on the wireless channel state information available up until then, or policy decisions to switch on/off a mobile sensor node based on job arrival patterns. Adaptive algorithms are useful in optimizing wireless systems in best case, average case and worst case scenarios, and for adaptive transmission, computing and sensing.

The intent of this workshop is to provide a forum for researchers and practitioners to present their ideas on using adaptive/online/real-time algorithms for optimizing mobile wireless computing and networking. The topics of interest include (but not limited to):

Adaptive techniques for energy efficiency (transmission and computation)	Online resource sharing for mobile computing
Online scheduling	Stochastic learning and stochastic approximation based algorithms
Competitive algorithms and competitive analysis of wireless protocols	Applications such as image/video transmission and sensor networks
Dynamic game theory for wireless communication	Iterative control techniques
Channel-adaptive power/rate control	Online access of mobile database
Randomized algorithms	Adaptive wireless security and privacy

Submission Instructions:

Authors must submit original, not previously published contributions in <http://edas.info>. Manuscripts must be in PDF format and are limited to 10 pages (max) in two column IEEE style format.

Important Dates: Manuscript due: July 15th, 2004 (**extended deadline**);
Acceptance notification: August 7th, 2004 (**new deadline**); Final manuscript due: August 15th, 2004

Program Co-Chairs:

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