

INTERNATIONAL WORKSHOP ON BROADBAND WIRELESS ACCESS FOR UBIQUITOUS NETWORKING

Workshop URL : www.bwan.org
Workshop date: 20 September 2006

Scope and Interests

Today Broadband Wireless access (mobile/nomadic) is emerging to offer outstanding opportunities: In this new world of communicating devices, the evolution towards ubiquitous networking is promising new paradigm with the aim of providing communication capability all the time, everywhere, transparently to the user.

The implementation of such a paradigm requires innovation in wireless network technologies and devices, development of infrastructures, enablers supporting enhanced features for ubiquitous capability.

The workshop is intended to present features based on new architectures supporting mobility and/or nomadic features for wireless access (IEEE 802.yx,...), the sharing of the network access, bandwidth sharing on radio access, network enablers all favouring the new perspective of ubiquitous and ambient networking. Within the framework of BWAN 2006, the next generation of network access will be investigated.

Topics of interest to this workshop include (but are not limited to) performance studies and solutions (algorithms, protocols, architectures) that tend to improve experience of users of services and applications with context awareness. This Workshop will federate network technologies supporting also various enablers such as:

WORKSHOP TOPICS

Main Topics

New Architectures and technologies for broadband wireless access based on xDSL/FTTx, etc with mobility features,
XDSL/FTTx+WiFi modem with mobility enhancement,
Radio extension such as 802.xy (WiFi, WiMax, Mesh, etc),
4G,
QoS,
Efficient and scalable routing,
Transport mechanism for supporting various high speed traffic,
End to end security and privacy issues for ubiquitous Network access,
AAA (Authentication, Authorization, Accounting),
P2P network,
Ambient Networking,
Standard and regulations.

Relating Topics:

Network cost performance and Business Models,
RFID tags, sensors, actuators, etc,
Interference mitigation for multiple accesses,
IPv6,
Cognitive radio;

SUBMISSION DATES

Submission of summaries	15 May 2006
Notification of Acceptance	15 June 2006
Submission Camera Ready Papers	10 July 2006

PUBLICATION

The submissions to be presented at the workshop will be selected, based on their originality, technical merit and topical relevance of their contents. All accepted papers will be published in the conference proceedings that will be available at the workshop