

CALL FOR PAPERS

Special Session on "Advances and Future Directions in WiMAX Networks"

organized in conjunction with

The 1st International Conference on Mobile Lightweight Wireless Systems (MOBILIGHT 2009)

18-20 May 2009, Athens, Greece

<http://www.mobilight.org/>

Important Dates:

Full Paper submission due: February 26, 2009
Notification of acceptance by: March 8, 2009
Camera ready paper due: March 15, 2009

Scope:

In the fast-changing and promising field of wireless communications, researchers and industry try to come up with new technologies that satisfy the ongoing demand for faster data rates with longer transmission ranges. WiMAX (Worldwide Interoperability for Microwave Access) is an emerging wireless communication system that can provide broadband access with large-scale coverage. This technology can be used as "last mile" or "first mile" broadband access to deliver various services to clients. Concurrently, WiMAX's attributes and properties open the technology to a wide variety of multimedia and high bandwidth-demanded applications. Thus, Quality of Service (QoS) is a crucial issue for multi-hop WiMAX networks. The Special Session will try to connect the broadband access communications industry, operators, producers, researchers and academia to present novel ideas, protocols, algorithms, frameworks, advances and schemes in order to cover the uprising fields of future wireless communication.

Topics:

Topics of interest include, but are not limited to:

- WiMAX Communication Standards, Services and Applications
- Multimedia QoS and Traffic Management in WiMAX
- Voice and Voice over IP in WiMAX Networks
- Performance Analysis of WiMAX
- Simulation Software, Models and Testbeds for WiMAX
- Routing in WiMAX
- MAC/PHY layer techniques
- Radio Resource Management, Admission Control and Scheduling
- Wireless Optical Broadband Access Networks based on WiMAX
- User and Network Security in WiMAX
- Interoperability aspects (fixed/mobile LANs/MANs, 3G/4G, WANs)
- Mobile WiMAX and applications

Paper submission:

All submitted papers should describe original, previously unpublished work and will be subject to a rigorous peer-review. Accepted papers will be published by Springer in the MOBILIGHT Conference Proceedings and made available online through the Lecture Notes of ICST (LNICST). Please visit <http://www.mobilight.org> for submission guidelines.

The Best Paper of this Special Session will be invited to a Special Issue about WiMAX in prestigious International Journal.

Special Session organizers:

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