

Call For Papers



1st International Workshop on BROADBAND WIRELESS ACCESS

Collocated with NGMAST 2007
Cardiff, Wales, UK, 12-14 September 2007
<http://bwaws.nginet.de/>

BWA 2007

Organisation

Chair
Bohnert T. M., PT

Co-chair
Moltchanov, D., FI

TPC

Aguayo Torres, M., ES

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Fonte, A., PT

Giambene, G., IT

Gu, X., GER

Kihl, M., SE

Koerner, E., GER

Koucheryavy, Y., FI

Kuo, G. S., PRC

Necker, M., GER

Mascolo, S., IT

Mazlina E, MY

Pasachos, G, FI

Simoes, P, PT

Staehele, D., GER

Tsaoussidis, V., GR

Velez, F., PT

Important Dates

Submission
25 May 2007

Notification
18 June 2007

Camera-ready
25 June 2007

Aims and goals

Internet access is undergoing a fundamental change. A steadily increasing spectrum of services is attracting a rapidly growing number of users which, in turn, wish to access these services 'anytime and anywhere'. In order to meet this demand, Broadband Wireless Access (BWA) technologies are becoming extremely important and vendors and standardisation bodies respond to this development with new and powerful BWA technologies. Supporting transmission rates up to several megabits per second at distances far as tens of kilometres while providing full mobility support, these technologies provide the long-awaited means for delivering any telecommunication service over the Internet.

BWA technologies are yet in their infancy and one outcome is that many are far from being complete and optimised for such a versatile environment like the Internet. Consequently, BWA is currently receiving much attention by the research community. By organising this 1st BWA Workshop, it is our intention to bring together and provide an international forum for this research community.

Key Notes

Maximilian Riegel from Nokia Siemens Networks and the incumbent Co-Chair of the WiMAX Forum Network Working Group will talk about "Wide Area Wireless Ethernet: Providing Ethernet based services over Mobile WiMAX - Architecture, Interfaces, Applications"

Proceedings

The Proceedings will be published by IEEE CS and indexed by INSPEC and others.

Workshop topics:

- Incumbent and Future BWA Technologies, 802.16x, 802.20, UMTS, etc
- Radio Resource Management, Admission Control and Scheduling
- Capacity Planning and Traffic Engineering
- Physical and Data link Layer Issues
- Characterization, Modeling of BWA Traffic, Mobility and Channels
- Large-scale and Heterogeneous BWA Evaluations
- Spectrum Management
- Interoperability Aspects (fixed/mobile LANs/MANs, WANs)
- Vertical and Horizontal Integration
- Micro and Macromobility Management
- 3G/4G Wireless Technologies
- Applications Support
- Cross-layer Optimisation Approaches
- Multimedia Support
- Network Management
- (W)NGN Architectures and Trends
- Design and Evaluation of Testbeds
- Experiences/lessons from recent deployments

Paper submission will be through the conference on-line systems at www.edas.info

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