



## **CHINACOM 2007: Workshop on Integration of 4G Networks and Wi-Max & Wi-Bro**

[www.wnet-integration.org](http://www.wnet-integration.org)

The world is moving rapidly towards globalization and connectivity on the move is an important aspect of this trend with mobile phones and wireless networks. Now efforts are being undertaken to merge the two networks and move from the circuit switched networks completely to packet switched networks due to their low cost and high bandwidth. The initiative was taken with 3G networks but the main problem with 3G access networks was that it just focused on merging the two technologies together but did not fundamentally improve the overall wireless architecture.

Systems of 4G mobile will mainly be characterized by a horizontal communication model, where different access technologies as cellular, cordless, WLAN type systems, short range wireless connectivity and wired systems will be combined on a common platform to complement each other in an optimum way for different service requirements and radio environments.

However this move is not without its own problems as the users' and the operators' requirements are not yet fully understood. Hence, viable solutions for many problems already identified have not been agreed upon. Furthermore understanding the problems and moving towards their solution will require a paradigm shift as the current practices normally do not address the issues that are foreseeable in the future generation of networks and certainly need input from the research community to help resolve these issues.

The CHINACOM 2007 meeting and the workshop will bring together leaders in this field from both within China and abroad to facilitate a greater understanding of the issues and working towards their resolution. The topics of interest within the scope of this issue include (but are not limited to) the following:

- Interconnection across various access technologies. Wi-Fi, Wi-Max, 3G, 4G
- Service Oriented Mobility Architecture and Mobility Protocols
- Fast Handoff techniques & Mobility Management
- Media Independent Handovers, and Generic Access Networks techniques for 4G
- End to End QoS & QoE Management.
- Network Optimization & Resource Management under QoS
- IPv6 issues in future heterogeneous wireless networks.

Accepted papers will be included in the CHINACOM 2007 conference proceedings and will be made available in the IEEEExplore Digital Library.

**Submission Deadline:** June 8<sup>th</sup>, 2007

**Acceptance Notice:** June 30<sup>th</sup>, 2007

**Camera Ready Print:** July 15<sup>th</sup>, 2007

**Workshop Date:** CHINACOM 2007 event (August 22-24 2007)

The Author's Kit is available at <http://www.chinacom.org/authorskitieee.shtml>

The papers can be submitted through the Cocus web site under the workshop event WNET-Integration.

**For further information please visit** <http://www.wnet-integration.org>