



Special Session
**Performance Modeling and Evaluation of
IP-based Networks**
within the
5th International Network Conference (INC 2005)
Doryssa Bay Resort, Island of Samos, Greece
5th – 7th July 2005

Call for Papers

We live in an era where wireless/mobile communications exhibit a very high and steadily growing importance and penetration worldwide alongside the established fixed networks. Various technologies have contributed to this success, including: mobile communication networks, such as GPRS and UMTS, the family of Broadband Radio Access Networks, like IEEE 802.11 and HIPERLAN, and wireless broadcasting technologies, like Digital Video Broadcasting (DVB—satellite and terrestrial). Apart from the evolutionary paths of individual technologies, considerable interest has been expressed recently on the additional benefits that may arise from their joint exploitation, through an integrated networking infrastructure that comprises multiple wireless networks (of which some, maybe all, differ in technology), overlapping in common coverage area(s) and interconnected by an IP backbone which acts as the ‘unifying glue’ that binds the heterogeneous environment together.

However, many interesting and important traffic engineering, technological and performance issues need to be addressed and resolved before a global and wide-scale integrated broadband network infrastructure can be established for the efficient support and provisioning of demanding and diverse services.

This Special Session of INC 2005 is aiming to promote new concepts and ideas as well as research work in progress that address issues relating to the performance evaluation of IP-based Networks

Topics of the session include, but are not limited to:

- Analytic modeling and simulation tools and techniques
- Broadband Wireless Access
- Cellular Networks
- Interworking of Wireless, Terrestrial and Satellite Networks
- Measurement methods and tools
- Network measurements & testbeds
- QoS Provisioning in Heterogeneous Systems
- Quantitative methods & tools
- Queueing Theory
- Traffic Measurement, Management, Modeling and Characterization

Important dates

Manuscript submission: **February 1, 2005**

Notification of review results: March 4, 2005

Camera ready paper: March 20, 2005

Authors’ registration: March 25, 2004

Submission information

Authors are invited to submit their full papers by email directly to the session organizer, by February the 1th, 2005. The total length of the paper should not exceed eight pages, including all figures, tables and references. A comprehensive set of instructions for preparing camera ready papers as well as relevant information on the venue can be found at the conference site <http://www.inc2005.org>.

Session organizer

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