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NEW2AN 2007

The 7th International Conference on
Next Generation Teletraffic and
Wired/Wireless Advanced Networking

September 10 - 14, 2007

St. Petersburg, Russia

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Scope of the Conference and past history

Next-generation mobile networks will evolve out of existing wired and wireless networks of different nature by means of convergence, fusion and mutual penetration; next-generation multimedia services in turn pose new requirements and challenges on treatment of traffic within communication networks. This forms a framework on harmonization of results obtained separately in different areas of network research like network performance evaluation, architecture and protocol design, and low layer network design. The conference goal is in the identification, investigation and integration of new algorithms, approaches, architectures, methods and mechanisms to enable proper and efficient operation of a next-generation IP-based wireless network. Special emphasis will be given to next-generation traffic issues, it indeed remains true that much uncertainty surrounds the future traffic features and volumes, mainly because of converged type of traffic resulted from converged network operation under converged services and applications. Moreover, wireless access networks and their interaction shall be widely examined and addressed throughout the conference.

Since the middle of the 1990s a sequence of seminars and conferences sponsored by International Teletraffic Congress (ITC) have been successfully organized in Saint-Petersburg. The meeting point between east and west, the mutual history and experience can be seen and felt in the host country and the beautiful city.

Topics of interest

Paper submissions should address (but not limited to) one of the following topics:

- New Teletraffic and Network Traffic Challenges and Paradigms
- Emerging Teletraffic Models and Tools
- Future Internet Services: Teletraffic and Performance Issues
- Traffic Classification and Characterization
- Performance Evaluation of Mobile and Wireless Networks
- Multidisciplinary Approaches for Traffic Analysis and Management
- Traffic Engineering & QoS in all-IP Networks
- Network Modeling, Simulation, Emulation and Tomography
- Network Planning and Network Engineering
- Resource Management and Congestion control
- Traffic and performance monitoring in Future Networks
- 3G and Beyond Networks
- Autonomic Communications
- Ad hoc and Sensor Networks
- Wireless Mesh and Multi-Hop Networks
- Heterogeneous Wireless Access Networks
- Wireless Protocols
- Mobility Management
- Medium Access Control Protocols and Scheduling Techniques for Wireless Systems
- Cross-layer Interactions
- Applications for Multimedia-enabled Wired And Wireless all-IP Networks
- Overlay Networks
- Network Security
- AAA, pricing, charging and billing for Wireless Technologies

Paper submission

Authors are invited to submit full papers in English of not more than 20 double-spaced pages, 12 pt font size. All papers must include a title, complete contact information for all authors, and keywords on the cover page. The corresponding author should be identified clearly. Papers must be submitted electronically (in PDF format) via on-line submission procedure. Proceedings will be published by LNCS Springer (pending). Selected best papers will appear in a journal special issue.

The Conference is organized by

Tampere University of Technology (Finland) and BalticIT (Russia) in cooperation with ITC (International Teletraffic Congress), IEEE Russia Northwest BT/CE/COM Chapter, Popov Society, COST 290 and support of NOKIA.

Important Dates

Paper Submission **April 04, 2007**
Notification of acceptance **May 29, 2007**
Camera ready version **June 12, 2007**