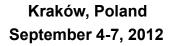


**Call for Papers** 







http://www.itc24.net/

24<sup>th</sup> International Teletraffic Congress

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www.i-teletraffic.org

The rapid evolution of communication and telecommunication industries driven by technological advances and new business models calls for continual reappraisal of the methods used for their analysis, control and management. Over the past five decades, ITC has provided a forum for leading researchers from academia and industry to address some of these key methodological approaches for the design and control of networks with increasing focus on applications.

In addition to improving efficiency and performance, there is also a need for understanding the benefits and costs of emerging architectural shifts for the future Internet. What network control and optimization issues are raised by virtualization and cloud computing? What design principles might help simplify migration of communication networks to become information centric and flow-aware? What architectural elements and business models are needed to meet user expectations for service quality, reliability and security?

Now held annually, ITC solicits submission of original contributions in traditional traffic and performance of computer communication networks as well as emerging architectural topics outlined above. While technical correctness is an obvious requirement, ITC 24 encourages contributions that address novel topics, pioneer disruptive paradigms, or propose innovative models and techniques. Specific topics of interest include, but are not limited to:

# Network technologies and paradigms

Content delivery and storage Future Internet design Carrier networks Optical networks Data centers Delay-tolerant networks Cellular networks Wireless adhoc and mesh networks Sensor networks Cognitive radio

### Applications

Application layer networks and overlays Virtualization Distributed, grid and cloud computing Internet of Things IPTV, WebTV P2P and distributed lookup Social networks Tele-medicine, -education, -metry Web-services and SOA

## Network planning, QoS and associated performance issues

Capacity planning methods and tools Planning for multi-carrier networks Performance and reliability tradeoffs Robustness and reliability issues Network design methods Performance of wireless/wired networks Pricing and billing Business models for QoS

### Models and techniques

Self-optimization approaches Optmization techniques Game-theoretic models Queueing and traffic models Random graph models Resource allocation and management Scheduling algorithms Network coding Cross-layer design and optimization Simulation methods and tools

## Traffic management and measurement

Admission control Dynamic bandwidth management Intelligent adaptive routing Location and mobility management Multi-domain issues Traffic engineering Network tomography Overload and congestion control Protection, switching and restoration Traffic and performance monitoring

### Security-related issues

Anomaly detection Detection of DoS attacks Attack mitigation methods Epidemiological models Worm and virus propagation Privacy and trust

### Publications and awards

All accepted contributions will appear as full papers in the conference proceedings with oral presentations. In order to guarantee the high visibility of the conference, the proceedings will be available through IEEE Xplore. ITC offers two prestigious awards: a General Best Paper Award and a Best Student Paper Award. For a paper to be eligible in the latter category, the student must be the first author and presenter of the work. Please check the ITC 24 website for further details.

#### Important dates

- Paper registration deadline:
- Submission deadline:
- · Acceptance notification:
- Final version:
- Conference:

March 5, 2012 (extended) March 5, 2012 (extended) May 18, 2012 June 8, 2012 September 4-7, 2012

### **General Co-Chairs**

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Thomas Bonald (Telecom ParisTech) Michał Pióro (Warsaw Univ. of Technology and Lund Univ.) Iraj Saniee (Alcatel-Lucent Bell Labs)