

4th EuroNGI Conference on

NEXT GENERATION INTERNET NETWORKS (NGI 2008)

April 28 — 30, 2008

Kraków, Poland

<http://www.kt.agh.edu.pl/ngi2008>

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Technical cosponsors:



NGI 2008 focuses on the design, engineering, and operation of Next Generation Internet networks. The conference is the continuation of the series of successful events held in Rome, Valencia and Trondheim. It has provided an international forum for the presentation of high quality, peer-reviewed papers covering various aspects of future networking, including the future Internet architecture and quality of service. It is organized by the Network of Excellence (NoE) Euro-FGI (<http://www.eurongi.org>) that was initiated by the European Commission during the 6th framework program and will be continued in the next funding period. The conference is a key event contributing to reach the EU targets of integrating the European research effort in the Next Generation Internet domain and to strengthen the collaboration with non-European researchers and institutions. To stimulate discussions, NGI 2008 invites scientists and practitioners from industry and academia, and especially welcomes contributions from outside Euro-FGI. To guarantee the high visibility of the conference, the proceedings will be available through IEEE Xplore.

Original papers on recent advances in next generation networking are invited. Topics of interest include, but are not limited to the following areas:

Applications and services

- Applications for wireless sensor networks
- Grid computing
- Location-based and context-aware services
- Network co-operation
- Overlay networks and peer-to-peer

Optical networks

- Multi-layer networks
- Routing & wavelength assignment
- Traffic grooming and traffic engineering
- Transport Ethernet, PON, WDM

Wireless networks

- Ad hoc and sensor networks
- Cellular networks
- Cross-layer design
- Integration of fixed and mobile networks
- WiFi and WiMax

Network architecture

- Access, regional, metropolitan, and core networks
- Future Internet
- Inter-domain issues
- Network design, provisioning, and optimization
- Network management and control
- Network survivability and resilience
- Routing: unicast, multicast, anycast
- Security architectures and mechanisms
- Testbeds and experimental evaluations

Traffic engineering

- Admission and congestion control
- Performance evaluation of next generation networks
- Quality of service (QoS) and quality of experience (QoE)
- Service differentiation and multi-service support
- Traffic measurement & modelling

Manuscript Submission

All papers must be submitted electronically by EDAS as PDF according to the IEEE publisher format and must not exceed 8 double-column pages with a font of at least 10pt. All accepted contributions will be full papers with oral presentations. The papers will be published in electronic conference proceedings and by IEEE Xplore.

Important Dates

Paper submission deadline: **December 9, 2007**
Acceptance notifications: **January 31, 2008**
Camera-ready due: **February 29, 2008**
Conference: **April 28 — 30, 2008**

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