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5th EURO-NGI Conference on Next Generation Internet Networks (NGI 2009)

Aveiro, Portugal, 1-3 July, 2009
www.ngi2009.eu

CALL FOR PAPERS

NGI 2009 conference is the continuation of the series of successful events held in Rome, Valencia, Trondheim and Krakow. 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-NF (former Euro-NGI) that was initiated by the European Commission during the 7th framework program. 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 2009 invites scientists and practitioners from industry and academia, and especially welcomes contributions from outside Euro-NF. Original papers on recent advances in next generation networking are invited. Topics of interest are - 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

Socio-Economic Aspects

- Regulation, IPR, network neutrality and governance policies
- SLAs, pricing and quality of experience
- Cost models
- Trust, privacy and security

Network Architecture

- Access, regional, metropolitan, and core networks
- Future Internet
- Inter-domain and intra-domain routing
- Network management and control
- Self-organized systems
- 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 measurements, modeling and statistical characterization
- Optimization algorithms and heuristics for network dimensioning

Submission

Authors are invited to submit manuscripts written in English. Papers must contain original work not published or under revision elsewhere. All submissions will be refereed by experts in the field. Papers should be prepared following IEEE format (double column and 10-pt fonts) up to 8 pages and must be submitted in PDF format. For formatting and submission instructions, and more information about the conference please refer to <http://www.ngi2009.eu>.

Important dates

- Submission: January 25th, 2009
- Notification: March 31th, 2009
- Camera ready: April 15th, 2009