Call for Papers

Euro NGI is pleased to invite you to contribute to:

"NGI 2005"
First Euro NGI Conference on

NEXT GENERATION INTERNET NETWORKS
TRAFFIC ENGINEERING
Rome – Italy, 18-20 April 2005

NGI 2005 is the first conference organized by the European Network of Excellence EURO NGI to provide an international forum for the presentation of high quality, peer-reviewed papers relating to the design, modeling and engineering of the Next Generation Internet.

The conference is technically sponsored by the IEEE Communications Society and accepted papers will be published electronically on the IEEE Xplore digital library. The Conference is also supported by the IFIP TC6, the Italian Chapters of IEEE LEOS and COMSOC.

Since you are active in this research domain, we would like to invite you to consider the possibility of submitting a paper to this conference.

Please feel free to forward this message to your colleagues or other researchers possibly interested in this main international event.

We look forward to receiving your submission.

The organizing committee

Conference web site:
http://www.eurongi.org/ngi2005/

Papers submission deadline: November, 15th 2004

Researchers are invited to submit original papers including but not limited to the following topics:

- **Evolution of the IP network architecture**
- **Towards a carrier class Ethernet networking**
- **All IP 3G mobile networks**
- **Towards 4G: higher capacity and vertical multi-technology roaming/handover**
- **Towards unified control planes for multilayer nets (e.g. G-MPLS)**
- **Infrastructure and management for new services**
- **Traffic management**
- **Traffic engineering**
- **Traffic characterization**
- **Congestion control**
- **Traffic control, Flow based admission control in IP networks**
- **Network management**
- **Routing in next generation networks**
- **Routing in multilayer networks**
- **QoS from the user perspective**
- **QoS in wireless networks**
- **Resiliency strategies and algorithm for next generation networks**
- **Robustness of access networks**
- **Multilayer optimization**
- **Network security**
- **Platforms and test beds for traffic engineering**
- **Network design tools**
- **Passive and active measurements**
- **Numerical methods and simulation**
- **Performance models for new traffic paradigms**
- **Spatial modeling**
- **Cost models and pricing**
- **Methods for network optimization and control**
- **Methods for network resilience**