Networking 2012 is the 11th event of the series of International Conferences on Networking, sponsored by the IFIP Technical Committee on Communication Systems (TC6). The main objectives of Networking 2012 are to bring together members of the networking community from both academia and industry, to discuss recent advances in the broad and fast-evolving field of computer and communication networks, and to highlight key issues, identify trends and develop visions for the networking domain.

The technical sessions will refer to four main areas:

**Network Architecture**
peer-to-peer networks, virtual and overlay networks, cloud-computing architecture, network management and traffic engineering, internet of things, addressing and routing architectures, evolution of IP network architecture and protocols, green networking (energy and power management), performance measurement, monitoring and traffic analysis, resilient networks (fault tolerance, network recovery, self-*), cross-layer design and optimization, mobility (user, device, service, network), content-centric networks, broadband access technologies, resource allocation, switching and routing, network virtualization

**Applications and Services**
social networks, web architectures and protocols, middleware support for networking, quality of experience, pricing and billing, authentication, security, trust and privacy, anomaly detection, DoS detection and mitigation, content distribution, advertising and media networks, assistive networking, disaster-recovery networks, networking support for SmartGrids

**Wireless and Sensor Networks**

**Network Science**
network complexity, network neutrality, topology characterization and inference, network modeling, robustness and vulnerabilities of network infrastructures, emergence properties of real networks, dynamic peer-to-peer network topologies, epidemic spread models, user behavior inference, tools and techniques to design and analyze networks, community detection and modularity optimization, game theoretic approaches to communications and networks

Accepted papers will appear in the conference proceedings published by Springer, in the Lecture Notes in Computer Science series. Extended versions of selected papers will be considered for fast track publication in the Elsevier Computer Communications Journal.

**Important Dates**
- Abstract Registration: November 28, 2011
- Full Paper Submission: December 12, 2011
- Acceptance Notification: February 13, 2012
- Camera Ready: February 27, 2012

**Organising Committee**
**General Chairs**
- Robert Bestak, Czech Technical University in Prague, Czech Republic
- Lukas Kencl, Czech Technical University in Prague, Czech Republic

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**40th anniversary of IFIP TC6**
Distinguished research leaders commemorate years of exciting discovery and rising stars of the networking community share their outlook on the past and future.