



Networking 2012

21-25 May 2012
Prague, Czech Republic



<http://networking2012.cvut.cz>

CALL FOR PAPERS

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

ad-hoc networks, mobile networks, cellular networks, sensor networks, mesh networks, delay/disruption tolerant networks, opportunistic networks, embedded systems, RFID-based systems, network-based positioning and localization

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



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.

Speakers: Louis Pouzin, Vinton G. Cerf (tbc), Jon Crowcroft, Pablo Rodriguez Rodriguez, Dina Katabi and Adam Dunkels.

Organising Committee

General Chairs

Robert Bestak, Czech Technical University in Prague, Czech Republic
Lukas Kencl, Czech Technical University in Prague, Czech Republic

Technical Program Committee Chairs

Li Erran Li, Bell Laboratories, Alcatel-Lucent, USA
Joerg Widmer, Institute IMDEA Networks, Madrid, Spain
Hao Yin, Tsinghua University, China

Steering Committee

George Carle, TU Munich, Germany
Marco Conti, IIT-CNR, Pisa, Italy
Pedro Cuenca, Universidad de Castilla-la-Mancha, Spain
Guy Leduc, University of Liège, Belgium
Henning Schulzrinne, Columbia University, USA

