DRCN 9th International Conference on Design of Reliable Communication Networks | March 4-7, 2013 Budapest, Hungary

www.drcn2013.org

CALL FOR PAPERS

DRCN is a well established biennial forum for scientists, engineers, designers and planners from industry, government and academia who have interests in the reliability and availability of communication networks and services. The conference covers topics from equipment and technology for survivability to network management and public policy, through theory and techniques for survivable and robust networks and application design. The aim of the conference is to bring together people from industry, government and academia in those disciplines in a lively forum.

To guarantee the high visibility of the conference, the proceedings will be available through IEEE Xplore. The best papers will be invited to leading related Journals: IEEE **Transactions on Reliability** (ToR) and Elsevier **Optical Switching and Networking** (OSN).

The 9th DRCN will be held in the attractive city of Budapest, Hungary. The conference will be enriched by a set of tutorials and invited talks. Additionally, two IFIP best paper awards will be granted. We seek papers that address theoretical, experimental, systems-related and regulatory issues in the area of dependability and survivability of communication networks, end-systems and infrastructure. Topics of interest include, but are not limited to the following areas:

- Operational aspects:
  - Fault management, monitoring, and control
  - Methodologies, equipment and technology for network survivability
  - Survivability of optical and multi-layer networks
  - Reliability of wireless access and mesh networking
  - Resilient wired access networks
  - Dependability of cellular/mobile networks including horizontal handover
  - Resilience of multi-domain connections in the Internet
  - Reliability of emerging technologies (e.g. network virtualization, thin client architectures)
  - Survivability in grid and distributed computing
  - Network dependability in cloud computing
  - Management of survivable networks
- Theory and modelling:
  - Network reliability analysis
  - Methods and theory for survivable network and systems design, analysis and operation (including scalability and complexity)
  - Planning and optimization of reliable networks, systems, and services
  - Simulation techniques for network resilience
- Services:
  - Reliability requirements and metrics for individual users, businesses, and the society
  - Restoration of services under various types of failures
  - Service differentiation based on recovery methods
  - Dependability of networked applications
  - Recovery of overlay and peer-to-peer networks
  - Application and service-specific survivability techniques
  - Survivability of multimedia networks including voice over IP, IPTV, and content delivery
  - Reliability and resilience of data centre networks
  - Robustness of compound services
- Broad context:
  - Telecommunication networks as an element of critical national infrastructures
  - Public policy issues for survivability and resilience
  - Standardization of network resilience and reliability
  - Network resilience combined with economics and commercial issues
  - Quality of experience and network survivability
  - Security issues in networks and their relation to survivability
  - Dependability and energy consumption trade-offs
  - Risk and reliability in the Internet and enterprise networks
  - New and emerging threats

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IMPORTANT DATES

Submission of papers for review:	**December 7, 2012**	**!!! EXTENDED !!!**
Acceptance notifications:	January 18, 2013	
Camera-ready due:	February 8, 2013	
Conference:	March 4-7, 2013	

AUTHOR GUIDELINES

All submissions should be written in English with a maximum paper length of eight (8) double-column printed pages (10-point font) including figures. All papers must be formatted according to the **IEEE manuscript template for conference proceedings**. Only PDF files will be accepted for the review process and all submissions must be done through **EDAS**.

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IFIP *(pending)*
HTE: *Hungarian Scientific Association for Infocommunications (Sister Society of IEEE)*
BME: *Budapest University of Technology and Economics*
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