



International Conference on
**Ultra
 Modern
 Telecommunications**

12 – 14 October 2009, St.-Petersburg, Russia

Final Call for Papers

RNDM 2009

International Workshop on Reliable Networks Design and Modeling

co-located with

International Conference on Ultra Modern Telecommunications

12-14.10.2009, St. Petersburg, Russia

<http://www.icumt.org/>

Technical co-sponsorship



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Communication networks spanning large areas are subject to frequent failures, mostly being unintentional. The reasons include natural disasters, as well as human errors. However, many failures are now often the result of intentional interruptions, also referred to as malicious attacks. Network operators thus need their networks to be reliable. One of the means towards assuring the certain level of service reliability is to make the networks survivable, i.e. capable of providing the continuous service in the presence of failures.

The aim of the workshop is to provide a forum for researchers from both academia and industry to present the high-quality results in the area of reliable networks design and modeling.

The topics cover, but are not necessarily limited to the following:

- wired/wireless network survivability,
- optical networks survivability,
- models and algorithms of survivable networks design and modeling,
- methods for measurement, evaluation, or validation of survivability,
- role of redundancy in survivable networks,
- design of dedicated/shared backup paths, p -cycles and other structures,
- impact of detection accuracy and latency on survivability,
- fast service recovery,
- service resilience differentiation,
- theory and methods of reliability and availability,
- fault management and control in survivable networks,
- multilayer network survivability,
- survivability under traffic grooming in multilayer networks,
- coordination of multilayer survivability operations,
- restoration strategies under different types of failures,
- modeling malicious behaviour or attacks on networks,
- use of self-healing techniques in surviving attacks,
- self-regenerative networks.

The authors are encouraged to submit full papers describing original, previously unpublished research results, not currently under review by another conference or journal, addressing state-of-the-art research and development in the area of reliable networks design and modeling. All papers will be reviewed. Accepted papers will be published in **IEEE Xplore** (approved) and indexed in relevant databases. Papers must be submitted electronically via EDAS (following the ICUMT 2009 link). The total length of a paper should not exceed 6 pages formatted according to the instructions *Template and Instructions on How to Create Your Paper* (DOC, 92KB), available at <http://www.ieee.org/web/publications/authors/transjnl/>

Extended version of best papers of special merit will be considered for possible fast track publication in the **Computer Communications Journal (Elsevier)**.

The RNDM 2009 workshop will be co-located with International Conference on Ultra Modern Telecommunications (ICUMT), held in St. Petersburg – the meeting point of East and West. Through its stunning architecture and wonderful art galleries and museums, among a number of other attractions, the wealth of history of East and West can be seen and felt in this beautiful city.

Contact: jrak@ieee.org

Important dates:

Paper submission: **June 15, 2009**

Acceptance notification: **July 15, 2009**

Camera ready: **August 15, 2009**

