



www.aria.org

The Fifth International Conference on Communication Theory, Reliability, and Quality of Service

CTRQ 2012

April 29 - May 4, 2012 - Chamonix / Mont Blanc, France

<http://www.aria.org/conferences2012/CTRQ12.html>

Important deadlines:

Submission (full paper)	December 5, 2011
Notification	January 23, 2012
Registration	February 7, 2012
Camera ready	February 7, 2012

Tracks:

Communication theory

Fundamentals in communication theory; Communications switching and routing; Communications modeling; Communications security; Autonomic communications; Performance in communications; Computer communications; Distributed communications; Wired and wireless communications; Signal processing in communications; Multimedia and multicast communications; High-speed communications; Delay-tolerant communications; Fault-tolerant networks; Reliable and safe communications; Iterative coding and decoding techniques

Reliability

Reliability modeling; Reliability stress analysis; Dependency-related reliability; Reliability prediction technologies; Reliability-aware topology control; Reliability in highly dynamic networks and distributed systems; Reliability in sensitive networks (ehealth, financial, etc.); Service versus network reliability; Reliability and human-related risks; Software reliability; Software-based safety kernels; Reliability testing; Maintenance tools for system reliability; QoS-driven reliability;

Quality of Service

QoS Design and architectures for networks and distributed systems; QoS modeling, adaptation and monitoring; QoS policy assessment; QoS metrics and measurement; QoS-based routing; QoS-aware applications and services; Provisioning and monitoring QoS constraints; QoS-based admission control; QoS negotiation and mediation; User-profile QoS-aware mechanisms; QoS-network device mechanisms (scheduling, queue management, traffic engineering, etc.); QoS and opportunistic scheduling; QoS-aware resource management; QoS in WLAN, WPAN, WMAN and WiMAX (IEEE 802.11/15/16/20); QoS in wireless sensor and ad hoc networks; QoS support in wireless networks for MAC protocols; QoS and survivability in mobile environments;

Quality

Quality of Experience (QoE); QoS/QoE relationship; QoS/QoE mapping; QoS/QoE management; QoS/QoE issues in wireless networks; Quality of Handoff; Quality of Diagnosis; Quality of Context;