



ICST QShine 2010

Houston, USA

November 17 - 19, 2010

Co-Sponsored by ICST and Create-Net

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IMPORTANT DATES

Full Papers due: September 1, 2010 5PM EST (Extended)

Notification of Acceptance: October 08, 2010

Camera-ready Version due: October 20, 2010

Conference Dates: November 17-19, 2010

7th International ICST Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QShine)

OVERVIEW

The 7th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QShine 2010) will focus on the research challenges associated to the design and implementation of large-scale wired and wireless networks and distributed systems. The aim of this conference is to bring together research and practitioners to present and share the latest results in the areas of performance, configuration, cross-layer approaches, scalability, resilience and survivability of large-scale heterogeneous networks and distributed systems. Following the tradition of the previous QShine meetings, QShine 2010 will feature prominent invited speakers as well as papers by top researchers in the field.

PAPERS

Original papers addressing performance optimization and Quality of Service support, ranging from the link layer to the application layer, over large-scale wired and wireless networks and distributed system, are solicited. Authors are encouraged to submit theoretical and/or experimental results of significance. The scope of the conference includes, but is not limited to:

- Quality of Service provisioning in wired and wireless networks and distributed systems
- Design, implementation or architectures related to QoS-enabled networks and distributed systems
- QoS routing in wired, peer-to-peer, overlay, and wireless networks and distributed systems
- QoS-aware service composition in distributed systems
- QoS in WLAN, WPAN, WMAN and WiMAX (IEEE 802.11/15/16/20)
- QoS in wireless sensor and ad hoc networks
- QoS in cognitive radio networks
- QoS in green communications and networking
- QoS for smart grid
- QoS in vehicular networks
- QoS support across heterogeneous wired and wireless sub-networks
- MAC protocols with QoS support in wireless networks
- Topology control for QoS support in wireless networks
- QoS and survivability in mobile environments
- Scheduling, resource management, queue management, and admission control
- QoS adaptation, modeling and measurements
- Game-theoretic aspects in wired, peer-to-peer, overlay, and wireless networks and distributed systems
- Incentive engineering in wired, peer-to-peer, overlay, and wireless networks and distributed systems
- Pricing, billing, and resource allocation in wired, overlay and wireless networks
- Traffic analysis, traffic engineering, and traffic shaping in heterogeneous environments
- Security protocols and algorithms in wired, overlay and wireless networks
- Scalability of large-scale overlay and wireless networks
- Resilience of overlay and wireless protocols
- Cross-layer protocol design in wireless networks
- Cross-layer performance optimization for energy, network lifetime, and capacity

SUBMISSION INSTRUCTIONS

QShine 2010 invites submission of manuscripts that present original materials and that have not been previously published or under review by another conference or journal. Prospective authors are encouraged to submit a PDF version of the full paper in ACM conference proceedings format, which are limited to 7 single-spaced two-column pages (including all figures and references) in a 9 point font. All paper submissions will be handled electronically through the EasyChair system at <http://www.easychair.org/conferences/?conf=qshine2010>

PUBLICATION

All submitted papers will go through a peer review process. All accepted papers will be included in the QShine 2010 Conference Proceedings. During the review process, all reviewers have to indicate whether the overall scientific quality of the paper they reviewed entitles the paper to candidate for the Best Paper award. Among the best candidates, the Program Chair and the General Chair select the Best Papers presented at QShine 2010. The award is based on relevance, content, significance, originality and presentation. Best Papers are rewarded with a Conference Best Paper Certificate.