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Quality, Reliability, Security and Robustness in Heterogeneous Networks

7th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, QShine 2010, and Dedicated Short Range Communications Workshop, DSRC 2010, Houston, TX, USA, November 17–19, 2010
Revised Selected Papers

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Preface

The 7th International ICST Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QShine 2010) was held during November 17–19, 2010 at the Doubletree Hotel Houston Downtown in Houston, USA. Following the tradition of excellence in the previous QShine editions, QShine 2010 continued to focus on the forefront research challenges associated with the designs and implementations of large-scale wired and wireless networks and distributed systems.

QShine 2010 was a successful three-day event. We were delighted to have Behnaam Aazhang, IEEE Fellow, from Rice University, USA, and Parameswaran Ramanathan, IEEE Fellow, from the University of Wisconsin, Madison, USA, to give keynote speeches on "Context-Aware Wireless Networks: A Physical Layer Perspective" and "Seamless Support for End-to-End Gigabit Throughput in Cognitive Radio Mesh Networks," respectively. Both keynote speeches provided great insights on wireless networks and distributed systems, and were very well received by the conference participants.

QShine 2010 had a very exciting and diverse technical program, which included 37 papers for presentation at the main conference and seven papers at the Dedicated Short Range Communications (DSRC) Workshop. Conference papers were organized into nine technical sessions, covering the topics of cognitive radio networks, security, resource allocation, wireless protocols and algorithms, advanced networking systems, sensor networks, scheduling and optimization, routing protocols, and multimedia and stream processing. Workshop papers were organized into two sessions: DSRC Networks and DSRC Security.

QShine 2010 had participants from both industrial and academic sectors from various parts of the world such as Germany, France, Italy, Australia, and Canada. The conference provided tea and coffee breaks as well as lunch at the hotel for all participants throughout the conference. A Conference Banquet event was also organized on the first day of the conference. The quality of the venue, services provided by the hotel staff, and the quality of food and drinks were all highly appreciated by the participants.

The success of QShine 2010 would not have been possible without the support and dedication of many people. We would like to thank the QShine Steering Committee Chairs: Imrich Chlamtac and Sherman (Xuemin) Shen, Workshop Co-chairs: Yunxin (Jeff) Li and Vojislav B. Misic, Invited-Paper Co-chairs: Hsiao-Chun Wu, Richard Yu, and Lijun Qian, Local Arrangements Co-chairs: Zhu Han and Rong Zheng, Publication Chair: Richard Yu, Publicity Co-chairs: Qinghe Du and Jose Saldana, Web Chair: Hang Su, Conference Coordinator: Mona Hezso, and the ICST Conference Director: Edit Marosi. This conference was organized

under the sponsorship of ICST and CREATE-NET. Our special thanks to the members of the Technical Program Committee and many additional reviewers for their professional and timely reviews. We would also like to thank all the authors for their submissions.

We very much look forward to the continuous success of future QShine conferences in the forthcoming years.

November 2010

Xi Zhang
Daji Qiao

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