Welcome Message from Workshop Organizers

Welcome to the 2010 IEEE Workshop on Quantitative Evaluation of large-scale Systems and Technologies (QuEST-10) and to Australia.

Modern society has become intrinsically dependent on large-scale distributed information and networking systems. These systems’ availability, reliability, dependability, security, and privacy, all lend support to many core societal needs including: critical utility infrastructure, finance and banking, health services, production and manufacturing, leisure and entertainment, and e-Government. Improving our ability to engineer such systems requires a good understanding of how they behave at-scale in the real world. Unfortunately, resource constraints have generally restricted research from pursuing such evaluation and testing work. Recently, test beds in the order of 100-node have become relatively common place, and combined with the development of larger-scale platforms such as EmuLab and DETER, they have advanced our knowledge considerably.

This workshop focuses on the issues, requirements, and tools to support real-world representative systems, at-scale testing and applications. The Workshop has attracted submissions from Asia, Australia, Europe, and North America, including contributions from government laboratories, commercial organizations, and universities. After a thorough reviewing process conducted by the Program Committee—with each paper being reviewed by at least 2 referees, 5 high-quality papers have been selected for presentation at the Workshop and publication in the Proceedings.

We would like to express our sincere gratitude to the members of the Program Committee for their efforts, the IEEE, the IEEE Computer Society, Curtin University of Technology, and the IEEE 24th International Conference on Advanced Information Networking and Applications (AINA 2010) for co-hosting QuEST-10. Most importantly, we thank all the authors for their submission and contribution to the Workshop.

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