Message from the Program Chair

On behalf of the organizing committee and program committee, I welcome you to the 12th International Symposium on High Assurance Systems Engineering (HASE). The symposium is a forum for discussion of systems and software engineering approaches to achieving high assurance systems. It focuses on integrated approaches for assuring reliability, availability, integrity, privacy, confidentiality, safety, and real-time performance of complex systems; and methods for assessing assurance levels of these systems to a high degree of confidence. HASE 2010 is co-located with the 21st IEEE International Symposium on Software Reliability Engineering (ISSRE 2010), offering participants the opportunity to contribute to and benefit from two strong technical programs.

This year, we received a total of 74 submissions, from 16 countries. After the standard IEEE review process, a total of 17 research papers and five fast abstracts were accepted for presentation and publication in the proceedings; based on technical contribution, originality, quality of presentation, and relevance. The research paper acceptance rate was 24%. The final program begins with a plenary panel on the state of the art and practice in high assurance systems. Six paper sessions have been organized; on fault tolerance, modeling, testing, formal methods, information and system assurance, and case studies, respectively. A seventh session, on fast abstracts, provides exposure to work-in-progress on a diverse array of related topics.

HASE 2010 is the culmination of efforts from many individuals. I thank the authors for submitting their work for consideration, the organizing committee for the many hours they spent on administrative tasks, the program committee and other reviewers for their diligent review and careful selection of papers, and the steering committee for their guidance. Thanks are also due to Juan Guerrero, of the IEEE Computer Society, for his assistance with the publication of the proceedings.

On behalf of the HASE community, I would like to express sincere appreciation to the ISSRE 2010 organizing committee for all of their efforts in making co-location of the two events possible. We are especially indebted to ISSRE for the significant local arrangements associated with hosting the conference in San Jose.

I hope that your participation in HASE will be a rewarding experience, and thank you for your support of HASE 2010.

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