Foreword for the Industry Track
DSN 2017

The extensive reliance on computing systems and networks raises numerous dependability challenges. Researchers and practitioners face complex interdisciplinary issues, from manufacturing technology to hardware and software development, networking, integration of complex systems, and cyber-security. The industry track provides a forum for interaction between industry and academia, and presentation of the latest R&D and operational challenges, practical solutions, case studies, and field dependability data. The state of the practice often highlights new challenges, encountered obstacles on applying novel solutions, and real world lessons about operation of dependable systems and networks.

The objective of this track is not to compete with the main DSN track, where finalized research and development work is reported, but to give the members of industry and academic communities the opportunity to discuss hot topics regarding the present and the future of dependable systems and networks, and to share experiences among different industrial domains and contexts. Therefore, priority was placed on practical relevance of the papers.

This year we have accepted 9 short papers, of a total of 17 submissions. Each paper was reviewed by at least three members of the industry track program committee (some by more), following which we had extensive online discussions among the PC members. The authors of accepted contributions come from different countries; Greece, India, Italy, Singapore, Switzerland, Taiwan, and the USA. The Industry Track also features two invited speakers, Robert Baumann of Texas Instruments, and Benjamin Zorn of Microsoft Research.

The papers have been organized into 3 sessions: Architecture and Evaluation of Dependable Systems and Networks, Cloud Computing and the Internet of Things, and Dependability Data and Security. Three of the papers involve only industry authors, while the other six papers are collaborations between industry and academia, and/or national laboratories. All accepted short papers are published in the DSN supplemental volume and made available in IEEE Xplore.

We are delighted to welcome all of you to a lively DSN2017 Industry Track in Denver, Colorado, USA! We hope you find the accepted papers and invited talks both informative and interesting.

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