

Preface

This volume contains the papers presented at SAFECOMP 2017, the 36th International Conference on Computer Safety, Reliability, and Security, held in Trento, Italy, in September 2017.

The European Workshop on Industrial Computer Systems, Technical Committee 7 on Reliability, Safety, and Security (EWICS TC7), established the SAFECOMP conference series in 1979. It has since then contributed considerably to the progress of the state of the art of dependable computer systems and their application in safety-related and safety-critical systems, for the benefit of industry, transport, space systems, health, energy production and distribution, communications, smart environments, buildings, and living. It covers all areas of dependable systems in the “Smart World of Things”, influencing our everyday life. Embedded systems, cyber-physical systems, (industrial) Internet of Things, autonomous systems, systems-of-systems, safety and cybersecurity, digital society and transformation are some of the keywords. For all the upcoming megatrends, safety, reliability, and security are indispensable – SAFECOMP addresses them properly from a technical, engineering, and scientific point of view, showing its increasing relevance for today’s technology advancements.

We received a good number of high-quality submissions (65), and the international Program Committee, more than 50 members from 14 countries, worked hard to select 22 for presentation and for publication in the SAFECOMP 2017 proceedings (Springer LNCS 10488). The review process was thorough with at least three reviewers with ensured independency. Three renowned speakers from the international community were invited to give a keynote: Marcel Verhoef, “From Documents to Models: Towards Digital Continuity”; John McDermid, “Safety of Autonomy: Challenges and Strategies”; and Radu Grosu, “CPS/IoT: Drivers of the Next IT Revolution”. As in previous years, the conference was organized as a single-track event, allowing intensive networking during breaks and social events, and participation in all presentations and discussions.

This year we had again five high-quality workshops in parallel the day before the main conference, ASSURE, DECSoS, SASSUR, TELERISE (for the first time co-located with SAFECOMP), and TIPS. These workshops differed according to the topic, goals, and organizing group(s), and are published in a separate SAFECOMP workshop proceedings volume (LNCS 10489).

We would like to express our gratitude and thanks to all those who contributed to making this conference possible: the authors of submitted papers and the invited speakers; the Program Committee members and external reviewers; EWICS and the

supporting organizations; and last but not least, the Local Organization Committee, who took care of the local arrangements, and the Publication Chair for finalizing this volume.

We hope that the reader will find these proceedings interesting and stimulating.

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Erwin Schoitsch
Stefano Tonetta



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