Message from the SE'20 Workshop Chairs

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This volume includes the proceedings of the Workshops of the 2020 Software Engineering conference (SE'20). SE is the leading conference on software engineering in German-speaking countries and is annually organized by the Gesellschaft für Informatik (GI). SE serves as a platform to exchange experiences and insights in the area of software engineering. The conference addresses a mixed audience from practice and academia. SE'20 was hold in Innsbruck, Austria. The workshops were hold on the 24th and 25th of February 2020.

I. WORKSHOPS

The workshops were selected by the workshop chairs, considering the feasibility of the proposed workshop and the potential to attract an engaged audience. All four submitted proposals were of high quality and therefore were accepted.

17th Workshop on Automotive Software Engineering (ASE'20) ASE'20 focuses on methods, techniques, and tools for support software development in the automotive domain. The workshop contributions addressed techniques to support consistency of requirements, approaches to model architectures for safety critical software systems in the automotive domain, and run-time debugging techniques.

2nd Workshop on Avionics Systems and Software Engineering (AvioSE'20) AvioSE'20 focused on system and software development in the aerospace domain, especially considering issues caused by increasing complexity of systems. The contributions of this workshop concerned an approach to systematically test signal definitions for aircraft systems, the use of formal methods is prototyping, automated reasoning over under-specifications for safety-critical systems, and software architectures for decentralized avionics and rocket missions.

7th Collaborative Workshop on Evolution and Maintenance of Long-Living Systems (EMLS'20) The EMLS series focuses on the different phases in the software life-cycle, considering especially the need for long-living systems. This year's contributions discussed model-driven development approaches to evolve secure software systems, methods for co-migration of test cases, and maintenance of long-living smart contracts.

1st Workshop Requirement Management in Enterprise Systems Projects (AESP'20) AESP was concerned with requirements engineering, focusing especially on the quality of system requirements. Papers published at the workshop were concerned with task-oriented functional requirements, handling item characteristics in ERP systems, professionalization in ERP selection, a framework for combining corporate budgeting with agile project management, a procedural model for selecting enterprise systems, and lean management methods.

II. ACKNOWLEDGMENTS AND THANKS

We would like to thank all those who contributed to making the SE workshops possible.

First of all, we would like to thank the workshop organizers for their workshop ideas and the engagement and energy they put into making the workshops a reality. Namely, we thank:

- Patrick Ebel, Steffen Helke, Ina Schaefer, and Andreas Vogelsang for organizing the 17th Workshop on Automotive Software Engineering (ASE 2020)
- Christoph Weiss and Johannes Keckeis for organizing the 1st Workshop Requirement Management in Enterprise Systems Projects (AESP 2020)
- Björn Annighöfer, Andreas Schweiger, and Marina Reich for organizing the 2nd Workshop on Avionics Systems and Software Engineering (AVIOSE 2020)
- Reiner Jung, Marco Konersmann, and Eric Schmieders for organizing the 7th Collaborative Workshop on Evolution and Maintenance of Long-Living Systems (EMLS 2020)

Furthermore we are grateful to the members of the workshop program committees, who reviewed the workshop submissions and ensured quality of the presented works. An additional thanks goes to the authors of all workshop submissions and the attendees of the workshops.

A special thanks goes to the Chair of the General Chair of the SE'20 Michael Felderer and his local organization team, namely Ilona Zaremba and Reiner Jung, for their continued and outstanding support. Their work helped the workshop organizers to create a great environment for the workshops.

Finally, we would like to acknowledge the team at CEUR who made publishing this volume possible, as well as the EasyChair team, whose software was instrumental during the review processes.

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Regina Hebig and Robert Heinrich