17th Workshop on Automotive Software Engineering

Patrick Ebel
TU Berlin
Berlin, Germany
patrick.ebel@tu-berlin.de

Steffen Helke
Fachhochschule Südwestfalen
Hagen, Germany
helke.steffen@fh-swf.de

Ina Schaefer
TU Braunschweig
Braunschweig, Germany
i.schaefer@tu-braunschweig.de

Andreas Vogelsang
TU Berlin
Berlin, Germany
andreas.vogelsang@tu-berlin.de

The 17th Workshop on Automotive Software Engineering (ASE'20) addresses the challenges of software development in the automotive sector and consequently with suitable methods, techniques, and tools for this specific area. With the increasing amount of connected vehicles, modern driver assistance systems and the challenges of fully automated driving, automotive software plays an important role today more than ever.

Furthermore, the distraction-free and intuitive operation of vehicle applications via voice control plays an increasingly important role. The trend towards networking has long since reached the vehicle. Driving a car is thus being changed by the advancing "digital cultures": Services such as WhatsApp, Skype or even Facebook will be integrated in the car in the near future and can then be operated by users while driving.

The main objectives of the workshop are the exchange and discussion of how current challenges in automotive software engineering can be mastered. The thematic orientation offers many cross-references to the Software Engineering (SE) conference to which the workshop is colocated. The workshop addresses researchers, developers, and users from the automotive industry as well as scientists from research institutes and universities working in the field of automotive software engineering. Traditionally, the focus is less on theory than on applied research.

Two reviewers were selected for each of the four contributions submitted to this year's workshop. Based on the reviews, we selected three high-quality papers for publication and presentations. Many thanks to all the reviewers who contributed with great commitment to the review process.

As in previous years, the workshop will be opened with a keynote speech. We would like to thank Dr. Alessio Gambi (Chair of Software Engineering II, University of Passau), who agreed to give this keynote. In addition, this year there are two invited talks by Rüdiger Heimgärtner (German UPA) and Stefan Kugele (TU München) and a session regarding the role of Automotive Software Engineering in teaching with the objective to create an Automotive Software Engineering curriculum.

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Patrick Ebel
Technische Universität Berlin

Prof. Dr. Steffen Helke
Fachhochschule Südwestfalen

Prof. Dr. Ina Schaefer
Technische Universität Braunschweig

Prof. Dr. Andreas Vogelsang
Technische Universität Berlin

For many years, this workshop has been organized by the GI interst group (Fachgruppe) "Automotive Software Engineering"[1]. The steering committee was consequently involved in the organization of this workshop as well.

[1] http://fg-ase.gi.de/