Message from the Program Chairs

We cordially welcome you to the 43rd Euromicro Conference on Software Engineering and Advanced Applications (SEAA), August 30 - September 1, 2017 in Vienna, Austria. The Euromicro SEAA conference series is a long-standing international forum for researchers, practitioners from business and industry, and students to present and discuss the latest innovations, trends, experiences, and concerns in the field of Software Engineering and Advanced Applications in information technology for software-intensive systems. Over the years, Euromicro SEAA series have reflected and represented the continuous changes in this area by focusing on new, innovative and advanced software engineering methodologies and applications. The 43rd Euromicro SEAA continues this tradition with several tracks and special sessions that reflect up-to date trends in research and practice. This year main tracks include:

- Embedded Software Engineering (ESE)
- Model-based Development, Components, and Services (MOCS)
- Software Management: Measurement, Peopleware and Innovation (SM)
- Software Process and Product Improvement (SPPI)
- Software Product Lines and Software Ecosystems (SPLSEco)
- Systematic Literature Reviews and Mapping Studies (SMSE)

In addition to these main conference tracks, the program also includes special sessions on emerging and promising topics that are likely to have an impact on both research and industry in the near future:

- Estimation and Prediction in Software & Systems Engineering (EsPreSSE),
- Software Engineering for Startups (SE4SU)
- Cyber-Physical Systems (CPS)
- Advancing Business Process Management (A-BPM)
- Teaching, Education, Training and Standardization for CPS and SoS to Build Sustainable Innovation Ecosystems (TETS-CPSoS)
- Software Engineering and Technical Debt (SEaTeD)
- Software Engineering for Sustainability (SE4S)

This year, SEAA has received 110 submissions that have been rigorously peer reviewed by the program committee members and reviewers. As a result, 39 were accepted as full papers and 26 as short papers. We believe that these accepted contributions constitute a stimulating program and will provide many new ideas and insights.

In addition to the research papers, there are two keynote speeches. One is given by Prof. Paris Avgeriou, who is currently serving as Professor of Software Engineering at the University of Groningen, Netherlands. The second keynote speech is given by Daniel Schall, who is senior software architect and research scientist at Siemens Corporate Technology in Vienna, Austria.
Many people have contributed to make this year’s event possible and successful. First, we are grateful to the General Chair Erwin Schoitsch, Austrian Institute of Technology, Austria, for his coordination and support. We would like to thank the chairs of all the tracks and special sessions:

- Etienne Borde and Severine Sentilles for organizing the ESE track,
- Tomas Bures and Manuel Wimmer for organizing the MOCS track,
- Onur Demirörs and Lefteris Angelis for organizing the SM track,
- Stefan Biffl, Rick Rabisier and Dietmar Winkler for organizing the SPPI track,
- Imed Hammouda and Thorsten Berger for organizing the SPLSeco track,
- Steve Counsell and Stephen Swift for organizing the SMSE track,
- Frank Elberzhager and Dietmar Winkler for organizing the EsPreSSE special session,
- Michel Chaudron, Tommi Mikkonen, Jürgen Münch and Anh Nguyen Duc for organizing the SE4SU special session,
- Amund Skavhaug and Erwin Schoitsch for organizing the TETS-CPSSoS special session,
- Christian Berger and Karl-Erwin Großpietsch for organizing the CPS special session,
- Oktay Turetken and Werner Schmidt for organizing the A-BPM special session.
- Antonio Martini and Paris Avgeriou for organizing the SEaTeD special session,
- Stephanie Betz, Norbert Seyff and Colin C. Venters for organizing the SE4S special session, and finally
- Karl-Erwin Großpietsch and Konrad Klöckner for organizing the work-in-progress session.

Special thanks go to the general chair Erwin Schoitsch, the chairman of Euromicro Karl-Erwin Großpietsch, Brigitte Klöckner and Tanya Silayeva from the Euromicro office, the publication chair Amund Skavhaug, and the webmaster Karin Hiebler.

Last, but not least, we thank all the authors, reviewers and presenters of this year’s conference.

EUROMICRO SEAA 2017 Program Chairs
Michael Felderer and Helena Holmström Olsson