Welcome to ETAPS

It is our pleasure to welcome you to the twentieth edition of ETAPS, the European Joint Conferences on Theory and Practice of Software. The city of Uppsala and Uppsala University, founded in 1477, greet all participants of the meeting.

ETAPS is the primary European forum for academic and industrial researchers working on topics relating to Software Science. With close to 500 participants, we are looking forward to a rich meeting and many fruitful discussions. The keynote lectures, workshops, conferences, and tool demonstrations cover a great variety of current themes in program design, testing, verification, and synthesis.

This is the first time that ETAPS takes place in Scandinavia. We hope you enjoy your time with us.

Ha det så trevligt i Uppsala!

Parosh Aziz Abdulla
General chair, ETAPS 2017
Invited Talk: Validation, Synthesis and Optimization for Cyber-Physical Systems

The first day of the main ETAPS conferences will be opened by Joost-Pieter Katoen and Parosh Aziz Abdulla followed by first planery speaker Kim Guldstrand Larsen. Kim G. Larsen is a professor in the Department of Computer Science at Aalborg University within the Distributed, Embedded and Intelligent Systems Unit and director of the ICT-competence center CISS, Center for Embedded Software Systems.

Abstract: The growing complexity of Cyber-Physical Systems increasingly challenges existing methods and techniques. What is needed is a new generation of scalable tools for model-based learning, analysis, synthesis and optimization based on a mathematical sound foundation, that enables trade-offs between functional safety and quantitative performance. In this talk I will provide highlights of theoretical developments and industrial applications of the tool UPPAAL and illustrate how recent branches of the UPPAAL tool suit are making significant progress by combining model checking and machine learning techniques.

Invited Tutorial: Secure composition of security protocols

The first invited tutorial of the conference will be given by Véronique Cortier at 16:30 in Stora Salen, 6th Floor. Véronique Cortier is CNRS research director at Loria (Nancy, France). Her research focuses on formal verification of security protocols, in particular e-voting, using formal techniques such as first order logic or rewriting.

Welcome Reception

The welcome reception will take place at 18:30 on the 6th floor of the main conference building (UKK).