Kim G. Larsen during his invited talk on Validation, Synthesis and Optimization for Cyber-Physical Systems: “There is nothing more practical than a good theory.”

Unifying Public Lecture: Issues in Ethical Data Management

Data science holds incredible promise of improving people’s lives, accelerating scientific discovery and innovation, and bringing about positive societal change. Yet, if not used responsibly, this technology can propel economic inequality, destabilize global markets and affirm systemic bias. In this public lecture, Serge Abiteboul considers issues such as violation of data privacy, or biases in data analysis.

Serge Abiteboul is a researcher at Inria, the Institut National de Recherche en Informatique et Automatique. He has received the ACM SIGMOD Innovation Award in 1998, the EADS Award from the French Academy of Sciences in 2007, and the Milner Award in 2013.

This public lecture is open both to ETAPS participants and the general public. It will take place at 16:30 in Stora Salen (6th floor).
TACAS Invited Talk: The Facebook Infer Static Analyser

Dino Distefano will start the second day of the main ETAPS conferences with a TACAS invited talk on the Facebook Infer Static Analyser. Dino Distefano is Engineering Manager at Facebook and Professor of Software Verification at Queen Mary University of London. His research interests include programming languages, static analysis, logic, and program verification.

Abstract: Infer is an open-source static analyser developed at Facebook. Originally based on Separation Logic, Infer has lately evolved from a specific tool for heap-manipulating programs to a general framework which facilitates the implementation of new static analyses. In this talk, I will report on the Infer team’s experience of applying our tool to Facebook mobile code, each day helping thousands of engineers to build more reliable and secure software. Moreover, I will discuss the team’s current effort to turn Infer into a static analysis platform for research and development useful both to academic researchers and industrial practitioners.

VerifyThis Competition

The winners of the 6th VerifyThis verification competition were announced during lunch on Monday.

Best Team Award: Jean-Christophe Filliâtre (CNRS), Why3
Best Student Teams: Jörg Pfähler and Stefan Bodenmüller (University of Augsburg), KIV / Mario Parreira Pereira and Raphael Rieu-Helft (LRI), Why3
Distinguished user-assistance tool feature: Stephen Siegel (University of Delaware), CIVIL
Best Challenge Submitted: Radu Grigore, University of Kent

29.9%

Acceptance rate of papers submitted to ETAPS 2017