

Uppsala Workshop

on Automata, Logic and Verification

23rd-25th Jan 2023

in Ångström Laboratory, Uppsala, Sweden

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Overview

This is a three-day workshop celebrating [Ahmed Bouajjani](#). He has been awarded an honorary doctorate, doctor honoris causa, at Uppsala University to appreciate his contribution to the scientific community in general and Uppsala University in particular.

Venue

Room 90103
Ångströmlaboratoriet
Lägerhyddsvägen 1, hus 9
Uppsala

Program

Monday

- 08:50–09:00 Opening
- 09:00–09:40 Ahmed Bouajjani
 - TBD
- 09:40–10:20 Javier Esparza
 - Interactive proofs and BDDs
- 10:20–10:50 Coffee Break
- 10:50–11:30 Radu Iosif
 - Reasoning about Distributed Reconfigurable Systems
- 11:30–12:10 Wang Yi
 - MIMOS: from theory to tools for embedded software design & update
- 12:10–13:40 Lunch
 - Restaurant Rullan
- 13:40–14:20 Constantin Enea
 - Reasoning About Consistency of Storage Systems and Applications
- 14:20–15:00 Shaz Qadeer
 - Reasoning with permissions using linear types and first-order logic
- 15:00–15:40 Coffee Break
- 15:40–16:20 Roland Meyer
 - A Concurrent Program Logic with a Future and History
- 16:20–17:00 Markus Müller-Olm
 - Logics for Asynchronous Hyperproperties

Tuesday

- 09:00–09:40 Kostis Sagonas
 - Awaiting for Godot: Stateless Model Checking that Avoids Executions where Nothing Happens
- 09:40–10:20 Rupak Majumdar
 - Recent Results in Context-Bounded Exploration
- 10:20–10:50 Coffee Break
- 10:50–11:30 Tayssir Touili
 - On static malware detection
- 11:30–12:10 Ahmed Rezine
 - Reachability in phaser programs
- 12:10–13:40 Lunch
 - Restaurant Rullan
- 13:40–14:20 Tomás Vojnar
 - Low-Level Bi-Abduction
- 14:20–15:00 Faouzi Atig
 - Flattening String Constraints
- 15:00–15:40 Coffee Break
- 15:40–16:20 Eugene Asarin
 - Timed pattern-matching
- 16:20–17:00 Lukás Holík
 - Counting in Regexes Considered Harmful: Exposing ReDoS Vulnerability of Nonbacktracking Matchers
- 19:00 Workshop Dinner @PepparPeppar Restaurant

Wednesday

- 09:00–09:40 Jean-François Raskin
 - LTL Synthesis with a Few Hints
- 09:40–10:20 Cezara Dragoi
 - TBD
- 10:20–10:50 Coffee Break
- 10:50–11:30 Paul Fiterau-Brostean
 - Automata-Based Automated Detection of State Machine Bugs in Protocol Implementations
- 11:30–12:10 Bengt Jonsson - Model Learning for Automata Models with Data
- 12:10–14:00 Lunch
 - Restaurant Rullan

