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Test Automation Research for Industry

11 April 2019

In Collaboration with



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PROGRAM

Location SE KI 20 01 740 Lars Magnus, Torshamnsgatan 21, Kista, Sweden

- 08.30 – 09.00** Registration
- 09.00 – 09.10** Welcome and Introduction
- 09.10 – 09.30** The Next Level of Test Automation, TESTOMAT Project – Sigrid Eldh, Ericsson
- 09.30 – 09.50** Automated Testing in Software Center, SWC – Kristian Sandahl, LiU
- 09.50 – 10.10** Software Testing Amplification in DevOps, STAMP Project – Benoit Baudry, KTH
- 10.10 – 10.30** Excellence in Variant Testing, XIVT Project – Gunnar Widforss, Bombardier

Coffee break

- 11.00 – 11.20** Mutation Testing at SAAB – Joakim Brännström, SAAB
- 11.20 – 11.40** Certifying HIL Simulation of a Safety-critical System – Athanasios Stratis, Bombardier
- 11.40 – 12.00** What does this mean for Safety Critical systems? Discussion – Q&A session
- Lunch – Visit the POSTERS and TOOL DEMO's with Discussion**
- 13.00 – 14.30 Pitches**
- 13:00 – 13:07 [Tool] LittleDarwin: A Feature-Rich and Extensible Mutation Testing Framework for Large and Complex Java Systems – Ali Parsai, University of Antwerpen
- 13:08 – 13:15 [Poster] Speeding up mutation testing via the cloud: lessons learned for further optimizations – Sten Vercammen, University of Antwerpen
- 13:16 – 13:23 [Tool] Scriptless GUI test automation with TESTAR – Pekka Aho, The Open University of the Netherlands
- 13:24 – 13:31 [Poster] Flakey Tests – Azeem Ahmad, LiU
- 13:32 – 13:42 [Tool] CodeScene: Prioritize Technical Debt in Automated Tests as if Time and Money Matters – Adam Tornhill, Empear
- 13:43 – 13:50 [Tool] Utilizing SWEET for Static Flow Analysis of ALF action language – Jean Malm, MDH
- 13:51 – 13:58 [Poster] Automatic Radio Configurations and Test Case Generation – Xeuchun Lu, KTH & Ericsson
- 13:59 – 14:06 [Poster] Test Prioritization – Francisco Gomes de Oliveira Neto, Chalmers
- 14:07 – 14:14 [Poster] Predicting Bad Commits – Oscar Werneman, Master Thesis, LTH & RISE & Verifyter
- 14:15 – 14:22 [Poster] Metamorphosis Test and Machine Learning, Aravind Ashok, KTH
- 14:23 – 14:30 [Poster] Machine Learning to Guide Performance Testing: An Autonomous Test Framework – Mahshid Helali Moghadam, RISE
- Coffee break**
- 14.50 – 15.10** Trained, not coded – Toward Test Automation for Safe Machine Learning - Markus Borg, RISE
- 15.10 – 15.30** Sufficiently Advanced Automation is Indistinguishable from Magic - What are the Challenges we Face? – Kristian Wiklund, Ericsson
- 15.30 – 15.50** Towards Stepwise Improvement of Test Automation – Serge Demeyer, University of Antwerpen
- 15.50 – 16.10** Discussion – Q&A session
- 16.10 – 16.20 Closing**