Final Program

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<th>Time</th>
<th>9th December</th>
<th>10th December</th>
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<td>9.15 – 9.30</td>
<td>Welcome</td>
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<td>9:30 – 10.30</td>
<td>Keynote speaker</td>
<td>Industrial session</td>
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<td>10.30 – 11.45</td>
<td>Session 1</td>
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Welcome from the Chairs

Keynote speaker – Alain Pannetrat

Session 1: Model based testing 1
Session Chair: Franz Wotawa
Using Model Learning for the Generation of Mock Components
Sebastien Salva and Elliott Blot

Learning Abstracted Non-Deterministic Finite State Machines
Andrea Pferscher and Bernhard K. Aichernig

Using an SMT solver for checking the completeness of FSM-based tests (SHORT)
Evgenii Vinarskii, Andrey Laputenko and Nina Yevtushenko

Session 2: Model based testing 2
Session Chair: Sergio di Martino
Interrogating Virtual Agents: In Quest of Security Vulnerabilities
Josip Bozic and Franz Wotawa

Giving a Model-based Testing Language a Formal Semantics via Partial MAX-SAT
Bernhard Aichernig and Christian Burghard

Architecture based on keyword driven testing with domain specific language for a testing system (SHORT)
Ricardo Pereira, Miguel Brito and Ricardo Machado

Session 3: Testing methods and applications
Session Chair: Umberto Villano

A Technique for Parallel GUI Testing of Android Applications
Porfirio Tramontana, Nicola Amatucci and Anna Rita Fasolino

Trigger Alarm A Smart NFC Sniffer for High-Precision Measurements
Martin Erb, Christian Steger, Martin Troyer and Josef Preishuber-Pugl

Methods for Live Testing of Cloud Services
Oussama Jebbar, Ferhat Khendek and Maria Toeroe

Session 4: Testing methods and automation 1
Session Chair: Alessandra De Benedictis
Automatic Fairness Testing of Machine Learning Models

Methods for Live Testing of Cloud Services
Inspecting Code Churns to Prioritize Test Cases
Francesco Altiero, Anna Corazza, Sergio Di Martino, Adriano Peron and Luigi Libero Lucio Starace

Session 5: Security testing 1
Session Chair: Massimiliano Rak

APPregator: a large-scale platform for mobile security analysis
Luca Verderame, Davide Caputo, Andrea Romdhana and Alessio Merlo

Vulsploit: a module for semi-automatic exploitation of vulnerabilities
Arcangelo Castiglione, Francesco Palmieri, Mariangela Petraglia and Raffaele Pizzolante

About the Robustness and Looseness of Yara Rules
Gerardo Canfora, Mimmo Carapella, Andrea Del Vecchio, Laura Nardi, Antonio Pirozzi and Corrado Aaron Visaggio

Session 6: Security testing 2
Session Chair: Valentina Casola

Measurement-based analysis of a DoS Defense Module for an Open Source Web Server
Marta Catillo, Antonio Pecchia and Umberto Villano

Trust is in the air: a new adaptive method to evaluate mobile wireless networks
Alexandra Mocanu, Bogdan-Costel Mocanu, Christian Esposito and Florin Pop

Enabling Next-Generation Cyber Ranges with Mobile Security Components
Enrico Russo, Luca Verderame and Alessio Merlo

Hacking Goals: a goal-centric attack taxonomy in computer systems (SHORT)
Francesco Caturano, Gaetano Perrone and Simon Pietro Romano

Session 7: Testing methods and automation 2
Session Chair: Ana Cavalli

Automated Transition Coverage in Behavioural Conformance Testing
Lina Marsso, Radu Mateescu and Wendelin Serwe

An Executable Mechanised Formalisation of an Adaptive State Counting Algorithm
Robert Sachtleben

A Comparative Study on Combinatorial and Random Testing for Highly Configurable Systems (SHORT)
Hao Jin, Takashi Kitamura, Eun-Hye Choi and Tatsuhiro Tsuchiya