

4th of September

9:00 – 9:30	Welcome
9:30 – 10:30	Keynote
10:30 – 11:00	Coffee
11:00 – 11:30	<i>Dynamic Mutant Subsumption Analysis using LittleDarwin</i> Ali Parsai and Serge Demeyer.
11:30 – 12:00	<i>Hybrid Monkey Testing: Enhancing Automated GUI Tests with Random Test Generation</i> Thomas Wetzlmaier and Rudolf Ramler.
12:00 – 12:30	<i>Collaborative Economy for Testing Cost Reduction on Android Ecosystem</i> Kenyo Abadio Crosara Faria, Eduardo Noronha De Andrade Freitas and Auri Marcelo Rizzo Vincenzi.
12:30 – 13:30	LUNCH
13:30 – 15:00	<p>Hands-on “Do it yourself” automated GUI testing with TESTAR</p> <p>Testing applications at the Graphical User Interface (GUI) level is an important yet expensive and labour-intensive activity. Several tools exist to automate UI level testing. These tools are based on capture replay or visual image recognition. We present TESTAR, a tool for automated GUI testing that takes a totally different approach and has demonstrated to be highly useful in practice.</p>  <p>Ramón de Vries has a broad computer science experience and has been working on Linux and open source for the past 20 years. Currently he is working as an independent consultant to automate the management of systems of systems in the cloud. Since 2016 he is involved with TESTAR.org. He got an MSc degree from the University of Delft in The Netherlands.</p>
15:00 – 15:30	Coffee break
15:30 – 17:30	Hands-on “Do it yourself” automated GUI testing with TESTAR (cont.)

5th of September

9:30 – 10:30	<p>Keynote from Atif Memon (University of Maryland, USA)</p>  <p>Atif M. Memon is an Assistant Professor at the Department of Computer Science, University of Maryland. He received his BS, MS, and Ph.D. in Computer Science in 1991, 1995, and 2001 respectively. He was awarded a Gold Medal in BS. He was awarded a Fellowship from the Andrew Mellon Foundation for his Ph.D. research. His research interests include program testing, software engineering, artificial intelligence, plan generation, and code improving compilation techniques. He is a member of the ACM and the IEEE Computer Society.</p>
10:30 – 11:00	Coffee
11:00 – 11:30	<p><i>Evaluating Quality of Security Testing of the JDK</i> Paddy Krishnan, Jerome Loh, Rebecca O'Donoghue and Larissa Meinicke.</p>
11:30 – 12:00	<p><i>Comparing automated visual GUI testing tools: an industrial case study</i> Vahid Garousi, Wasif Afzal, Adem Çağlar, İhsan Berk Işık, Berker Baydan, Seçkin Çaylak, Ahmet Zeki Boyraz, Burak Yolaçan and Kadir Herkiloğlu.</p>
12:00 – 12:30	<i>A-TEST panel</i>
12:30 – 13:30	LUNCH
13:30 – 15:00	<p>Hands-on “Do it yourself” Model-Based Testing session</p> <p>Model Based Testing (MBT) is the next step in test-automation. It is a technique that enables total automation of the test-process. This means that a computer can help with test-case generation, execution and checking of the outcome of the test-execution. As a result MBT can test with unprecedented speed and thoroughness. The crux of MBT is in the modeling. How do you explain to a computer what a computer system is? In this workshop you get hands-on experience with Model Based Testing in the Axini toolset. You will get a birds eye view of what it means to model, execute tests and analyse the results.</p> <p>Machiel van der Bijl is co-founder of Axini BV, Amsterdam, The Netherlands. Machiel has a broad experience in both theoretical and practical computer science. Before founding Axini he worked for several companies in the financial and embedded/high tech sector. Machiel has a MSc and a PhD degree in computer science from the University of Twente.</p> 
15:00 – 15:30	Coffee break
15:30 – 17:30	Hands-on “Do it yourself” Model-Based Testing session (cont.)