**UCAAT 2014**

**(User Conference on Advanced Automated Testing)  
  
Event Summary**

**http://ucaat.etsi.org/2014/index.html**

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[**ETSI**](http://www.etsi.org) **– The European Telecommunications Standards Institute, QualityMinds and German Testing Day have jointly organized this international conference dedicated to test automation.**

UCAAT is dedicated to the practical engineering and application aspects of automated and model-based testing.  It addresses test methodologies, test management and use of test languages such as TTCN-3. This industrial conference gives users from different application domains a chance to meet, discuss new ideas, debate on the problems and exchange their personal experiences with various testing tools.

UCAAT 2014 attracted 151 guests from 22 countries, including Germany, France, Hungary, Finland, USA, China, Turkey, Great Britain, Israel, and many more. The participants represented various industrial sectors (such as: automotive, defence, telecommunications, banking, internet and information technology) as well as international academic circles, research facilities and testing tool providers. The event was supported by 8 sponsors and 2 media partners.

The participants of the conference had a chance to find out about the newest developments in research, discuss possible solutions to current problems and exchange their opinions after each presentation. The program consisted of a Special Session on Standardization in Testing, two parallel tutorial tracks and many interesting session focusing on various issues from the field of automated testing. During coffee and lunch breaks the guests had an excellent opportunity to further discuss their interests and to network. The online feedback questionnaire distributed to the participants after the event proved that UCAAT met user expectations and provided them with an interesting, varied, high-quality program.

ETSI would like to thank all the sponsors for their support and express their gratitude to this year hosts: QualityMinds and German Testing Day. Their excellent, fully engaged and smooth organisation as well as friendly service helped make this event a big success.

**UCAAT 2014   
Program**

UCAAT 2014 was a three-day event consisting of a special session, two parallel tutorial tracks (Day 1) and the conference program (Days 2 and 3). The poster session took place on the second day of the event.

All presentations are available for download as PDF on the conference website:

<http://ucaat.etsi.org/2014/Program.html>

**Tuesday, September 16th - Special Session on Standardization in Testing**

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| 9:00 – 9:15 | **Welcome**  Stephan Schulz  (ETSI TC MTS Chairman) |
| 9:15 – 9:45 | **Keynote speech**  **Why standardization is important**  Klaus Vedder (Giesecke & Devrient) |
| 9:45 – 12:15 | **Fishbowl session: Challenges, experiences and success stories in standardization**  Moderator : Andrej Pietschker (Giesecke & Devrient)  With position statements from:   * Prof. Ina Schieferdecker (Fraunhofer FOKUS)   **Applied Research Perspective**   * Markus Bechter (BMW)   **AUTOSAR**   * Heiko Englert (Siemens)   **Smart Grid Interoperability – Profiling and Testing**   * Tibor Csöndes (Ericsson)   **Using a standard test language – a success story in unifying testing. Retrospection and future**   * Gyorgy Rethy (Ericsson)   **MTS success story: TTCN-3** |

**Tuesday, September 16th – Tutorials**

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| 10.45 - 12.15 | **From Test Legacy to Model-Based Testing - How to refactor an existing test repository into an MBT model?**  Bruno Legeard & Arnaud Bouzy (Smartesting) | **Introduction to TTCN-3**  Theofanis Vassiliou-Gioles  (Testing Technologies) |
| 12.15 - 13.30 | **Networking Lunch** | |
| 13.30 - 15.00 | **Cutting MBT Adoption Time with Domain-Specific Modelling**  Juha-Pekka Tolvanen (MetaCase) & Stephan Schulz (Conformiq) | **Property-Based Testing**  Thomas Arts (Quviq) |
| 15.00 - 15.20 | **Coffee Break** | |
| 15.20 - 17.00 | **Bringing TDL to Users: A Hands-on Tutorial**  Philip Makedonski (University of Göttingen), Andreas Ulrich (Siemens) , Gusztav Adamis (Budapest University of Technology and Economics), Martti Käärik (Elvior) & Marc-Florian Wendland (Fraunhofer FOKUS) | **Strategy-driven Test Generation with Open Source Frameworks**  Dimitry Polivaev (Giesecke & Devrient) |

**Wednesday, September 17th – Conference Day 1**

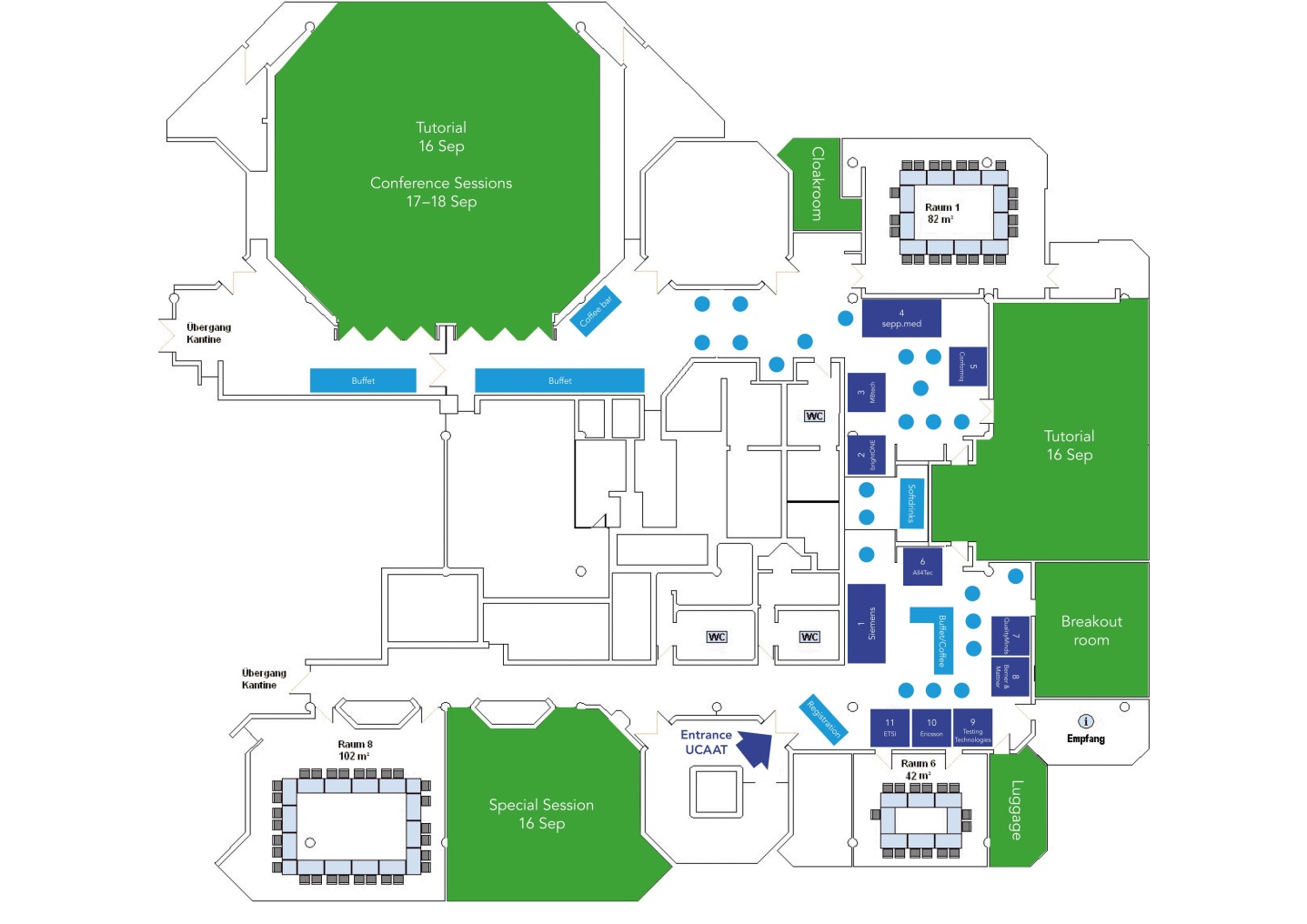
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| 9:15- 9:30 | **CONFERENCE OPENING** |
| 9:30- 10:15 | **Testing with Fault Models** Alexander Pretschner (Technical University of Munich) |
| **Session 1, ETSI Activities** | |
| 10:15-10:35 | **Applying TDL to describe tests of a distributed real-time control system**  Joachim Froehlich, Sylvia Jell and Andreas Ulrich (Siemens) |
| 10:35-10:55 | **A TTCN-3-based Compliance Assessment Framework for Intelligent Transport Systems**  Sebastian Mueller (ETSI) |
| 10.55 - 11.25 | **Coffee Break** |
| **Session 2, Robustness** | |
| 11:25 - 11:45 | **Property verification on traces**  Emmanuel Gaudin (PragmaDev) |
| 11:45 - 12:05 | **Using MBT to Generate Test Suites for Robustness Testing**  Håkan Fredriksson (Ericsson) |
| 12:05 - 12:25 | **Model Based Testing of a Game Engine using a Mono/.NET port of GraphWalker**  Marek Turski (Unity Technologies) |
| 12:25 - 12:30 | **Poster Session** |
| 12:55 - 13:45 | **Networking Lunch** |
| **Session 3, Application in industry** | |
| 13:45 – 14:05 | **Automated testing of an X-Ray medical device**  Bryan Bakker (Sioux Embedded Systems) |
| 14:05 – 14:25 | **Test generation from functional 3D virtual environment models**  Barath Kumar (dSPACE) , Rainer Drath (ABB) & Jürgen Jasperneite (Fraunhofer IOSB) |
| 14:25 - 14:45 | **Deploying MBT-based test automation in an agile development project for financial industry**  Jani Koivulainen (Conformiq)& Simone Krämer (brightONE) |
| 14:45 – 15:05 | **MBT and Test automation for ADAS validation**  Laurent Raffaelli (ALL4TEC), Xavier Rouah (Intempora) and Philippe De Souza (SNCF) |
| 15:05 – 15:35 | **Coffee Break** |

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| **Session 4, Cloud** | |
| 15:35 – 15:55 | **Test@Cloud - MBT and cloud-testing - a powerful combination**  Martin Beisser (sepp.med), Matthias Pruksch (sepp.med) & Steffen Limmer (Fraunhofer HHI) |
| 15:55 - 16:15 | **Model-driven Testing in the Cloud**  Steffen Herbold (University of Göttingen) |
| 16:15 – 17:15 | **Vendor Track** |
| 17:45 | **Departure Social Event** |

**Thursday, September 18th – Conference Day 2**

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| **9:00 – 9:45** | **Mining Oracles for Fully Automated Test Generation**  Andreas Zeller (University of Saarbrücken) |
| **Session 5, Security** | |
| 9:45 – 10:05 | **Model-Based Security Testing with Test Patterns**  Julien Botella (Smartesting), Jürgen Grossmann (Fraunhofer FOKUS), Bruno Legeard (Smartesting), Fabien Peureux (University of Franche-Comté), Martin Schneider(Fraunhofer FOKUS) & Fredrik Seehusen (SINTEF ICT) |
| 10:05 - 10:25 | **Compositional risk analysis combined with automated security testing - the RACOMAT tool**  Johannes Viehmann (Fraunhofer FOKUS) |
| 10:25 - 10:45 | **How to derive high level test procedures from a risk model**  Fredrik Seehusen (SINTEF ICT) |
| 10:45 - 11:15 | **Coffee Break** |
| **Session 6, Experiences from applied research** | |
| 11:15 - 11:35 | **Raspberry Pi Single-Board Computers for Testing: How Berry Traces have Changed our Lives**  Andreas Lauterbach, Dirk Lüdtke & Fabian Staudinger (AWTC Europe) |
| 11:35 - 11:55 | **Testing a webservices based ecosystem using MBT: the case of the Future Internet Public Private Partnership (FI-PPP)**  Franck Le Gall & David Guillén Jiménez (Easy Global Market), Laurent Artusio & Thierry Nagellen (Orange), Julien Bernard (University of Franche-Comté), Lucas Gruber (Jet1Oeil), Eddie Jaffuel (Smart-Consulting) & Bruno Legeard (Smartesting) |
| 11:55 - 12:15 | **An efficient Approach for Model-Based Testing: Siemens Use case in the MBAT European Project**  Helene Le Guen (ALL4TEC), Ralf Pinger (Siemens) & Deepa Vijayaraghavan (MBTech) |
| 12:15 - 13:30 | **Networking Lunch** |
| **Session 7, Advanced topics** | |
| 13:30 - 13:50 | **Towards UML Testing Profile 2**  Marc-Florian Wendland (Fraunhofer FOKUS), Markus Schacher (KnowGravity), Jon Hagar (Grand Software Testing) , Zhen Ru Dai (Hamburg University of Applied Sciences), Ina Schieferdecker (Fraunhofer FOKUS), Andreas Hoffmann (Mohnke Facility Management), Alessandra Bagnato & Etienne Brosse (Softeam), Shaukat Ali & Tao Yue (Simula) |
| 13:50 - 14:10 | **Acceptance testing in Devops projects with a Business Domain Language & refactoring techniques**  Arnaud Bouzy (Smartesting) |
| 14:10 – 14:30 | **Automatic test generation based on functional coverage**  Emmanuel Gaudin (PragmaDev) |
| 14:30 – 14:50 | **A structured approach to identify the best fitting test automation solution for a specific project**  René Biewald, Michael Karlinsky & Simone Krämer (brightONE) |
| 14:50- 15:20 | **Coffee Break** |
| **Session 8, Process** | |
| 15:20 - 15:40 | **Interactive Testing of Automotive Functions**  Hermann Ilmberger (BMW) |
| 15:40 - 16:00 | **Making a MBT-based test process more efficient**  **by the reuse of analysis models**  Alexander Kraas (T-Systems) |
| 16:00 – 17:00 | Best Presentation Award and Conference Closure |

**Conference Floor Plan**

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**Media Clippings**

**(direct clippings June to September 2014, without calendar entries, blogs or social media posts)**

<http://www.hanser-automotive.de/aktuelle-branchen-n>[ews/article/ucaat-user-conference-on-automated-testing-2014-erstmal-in-muenchen.html](http://www.hanser-automotive.de/aktuelle-branchen-news/article/ucaat-user-conference-on-automated-testing-2014-erstmal-in-muenchen.html)

<http://www.pressebox.de/inaktiv/qualityminds-gmbh/Die-Leitkonferenz-fuer-Software-und-Embedded-Testing-Automation-UCAAT-2014-erstmals-in-Muenchen/boxid/692783>

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<http://blog.utest.com/2014/07/24/focus-on-automated-testing-discount-for-utesters-ucaat/>

<http://www.meetup.com/UCAAT_User-ConferenceAdvancedAutomatedTesting/>

<http://model-based-testing.info/tag/ucaat/>

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<http://www.sps-magazin.de/?Termine&art=Sonstiges>

[https://www.imbus.de](https://www.imbus.de/)

<http://www.embedded-design.net/?seminare>

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[http://www.testingexperience.com](http://www.testingexperience.com/)

<http://02elf.net/wirtschaft/brightone-laedt-auf-der-ucaat-zum-informationsaustausch-ueber-testmethoden-modellbasiertes-testen-und-testautomatisierung-ein-783759>

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<http://www.ad-hoc-news.de/brightone-laedt-auf-der-ucaat-zum-informationsaustausch--/de/News/38709608>

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<http://www.wallstreet-online.de/nachricht/6983280-brightone-laedt-ucaat-informationsaustausch-ueber-testmethoden-modellbasiertes-testen-testautomatisierung>

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**UCAAT 2014 in Social Media:**

**Facebook Event Page:**

[**https://www.facebook.com/events/1422238358055089/**](https://www.facebook.com/events/1422238358055089/)

**Xing Event Page:**

[**https://www.xing.com/events/ucaat-2014-user-conference-advanced-automated-testing-1409608**](https://www.xing.com/events/ucaat-2014-user-conference-advanced-automated-testing-1409608)

**LinkedIn event group:**

[**https://www.linkedin.com/groups/User-Conference-on-Advanced-Automated-6733756/about**](https://www.linkedin.com/groups/User-Conference-on-Advanced-Automated-6733756/about)

**Photos from the event**

All pictures from the event can be found under the following link:

<http://photo.ucaat.qualityminds.de>

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| **C:\Users\Hanae\Downloads\IMG_4506 (640x427).jpg** | **C:\Users\Hanae\Downloads\IMG_4404 (640x427).jpg** |
| **Siemens Conference Center** | **Main Conference Room** |
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| **Special Session** | **Special Session** |

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| **Presentations** | **Tutorials** |
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| **Tutorials** | **Speakers** |
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| **Networking** | |

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| **Sponsor and Organizer Booths** | |
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| **Registration** | **Paulaner Brewery Tour** |

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| **Social Event** | **Social Event** |
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| **QualityMinds Team with Emmanuelle and Andrej** | **Bavarian Tradition** |