Fraunhofer FOKUS

SQC NEWS 05 15

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Dear Sir or Madam,

SQC is setting sail. The exhibition ship "MS Wissenschaft" is touring Germany and Austria for five months, showing ideas and concepts for future cities. On deck, SQC presents its "Triangulum" project for sustainable and intelligent urban development.

For those who prefer to stay on land, there are many opportunities to get in touch with SQC at several upcoming events. The next chance is the Eclipse DemoCamp, taking place in June at Fraunhofer FOKUS, Berlin.

At the System Quality Center (SQC) of Fraunhofer FOKUS, round 100 dedicated experts provide you with methods, processes and tools for the development and quality assurance of software-intense systems that often perform business-critical or security- and safety-relevant functions in urban infrastructures, cars, trains, planes or factories.

If you have questions or feedback you are very welcome to contact us.

Enjoy reading!

Best regards,
Dr. Tom Ritter & Friedrich Schön (Directors SQC) and the Fraunhofer FOKUS SQC-Team

Projects & Activities

Testing Cyber-Physical Systems under Uncertainty

The overall objective of the U-TEST project is to improve the dependability of Cyber-Physical Systems (CPSs) via cost-effective model-based and search-based testing under uncertainty. Therefore, an Uncertainty Taxonomy and holistic modelling and testing frameworks are defined with considerable reliance on standards.

→ more info

MS Wissenschaft

The exhibition ship "MS Wissenschaft" (english: "MV Science") has started its tour through Germany and Austria on April 15, 2015. Around 30 scientific institutions contribute exhibits concerning the topic "Future City". SQC participates with its project Triangulum for sustainable intelligent city development.

→ more info

COOLTURA – TAG CLOUD Platform and App

Within the TAG CLOUD project, a new platform and app have been developed. The COOLTURA app accesses cultural content processed in the COOLTURA platform. It will allow visualizing the cultural content on mobile devices to explore cultural sites through augmented reality, games or social networks.

→ more info

Events & Presentations

Eclipse DemoCamp 2015

On June 16, 2015, one of the Eclipse DemoCamps 2015 takes place at Fraunhofer FOKUS, Berlin. The event offers the possibility to present new Eclipse based technologies and projects and to exchange experiences. The DemoCamp is sponsored by itemis AG, the Eclipse Foundation, and Fraunhofer FOKUS.

→ more info

Security Assessment Workshop – SASSI 2015

The Workshop on Security Assessment for Systems, Services and Infrastructures (SASSI) will take place from September 15 to 16, 2015, at Fraunhofer FOKUS, Berlin. The workshop has a special focus on the interaction between innovations and industrial requirements, especially when security meets the demands of cost efficiency and scalability.

→ more info

SDL Forum – Call for Papers

From October 12 to 14, 2015, the 17th International Specification and Design Languages Forum will take place at Fraunhofer FOKUS, Berlin. In the context of smart city, topics will be: system and software modeling, specification, and analysis of distributed systems, embedded systems, communication systems, and real-time systems.
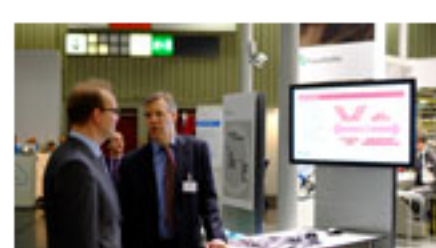
→ more info

STV'15

On October 19, 2015, the 10th Workshop on System Testing and Validation will take place. The workshop will be hosted by ETSI in Sophia Antipolis, France. It is co-located with UCAAT and INTUITEST. The goal of the workshop is to provide a forum for presenting and discussing work in progress, or ideas for future research in response to future trends.

→ more info

embedded world 2015 – Review

At this year's embedded world (Feb. 24-26, Nuremberg), SQC presented its exhibit under the banner "Safety by Design". Scientists demonstrated their competences in quality assurance of embedded systems – ranging from requirement analysis and model based development to verification and certification.

→ more info

Publications & Awards

The ASCENS Case Studies: Results and Common Aspects

Nikola Serbedzija has published a chapter focusing on pragmatic aspects of the ASCENS project illustrating the role and significance of the three major application domains (swarm robotics, cloud computing and e-mobility) that motivate and pragmatically justify the approach to construct autonomous systems.

→ more info

Photo acknowledgement
I. Hendel/beier+wellach projekte (Article 2), TAG CLOUD (Article 3), shutterstock/ hxdbzxy (Article 7)

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