



The SQC-Newsletter will inform you quarterly about the projects, events and publications of the System Quality Center of Fraunhofer FOKUS.

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During this year's InnoTrans, SQC presented current results in implementing a standard for uniform signal and train control solutions.



SQC and ASQF invite to a discussion about empirical research methods in software engineering at Fraunhofer FOKUS on October 20th.



Prof. Dr. Ina Schieferdecker exemplifies the dynamisation of static structures through information and communication technologies in new acatech publication.

projects & activities



Europe by Train – OpenETCS (European Train Control System)

To travel safely, economically and inexpensively by train through Europe, [openETCS](#) aims at implementing a standard for uniform signal and train control solutions. Scientists of SQC presented their current results and the possibilities of certification from September 23-26 at [InnoTrans 2014](#) in Berlin.



SQC participates in Conference on Open Learning Methods

The [9th European Conference on Technology Enhanced Learning \(ECTEL\)](#) took place from September 16-19 in Graz, Austria. [Arun Prakash](#) from SQC contributed a conference poster to this event. He also participated at the plenary meeting where the progress on the [EAGLE project](#) was presented. The project focuses on developing open educational resources and open source tools for rural governments.



RASEN Track during UCAAT 2014

SQC presented the [RASEN](#) approach of combining security testing with security assessment at the User Conference on Advances Automated Testing ([UCAAT](#)) from September 16-18 in Munich. Johannes Viehmann presented the RACOMA tool that combines compositional risk analysis with automated security testing. Martin Schneider was involved in a presentation about model-based security testing with test patterns.



TAGCLOUD: SQC develops a tool that harvests data from cultural sites.

The 4th Plenary Meeting of the [TAGCLOUD project](#) took place on September 29-30 in Trento, Italy. [Arun Prakash](#) of SQC developed the Data Management Module which performed the harvesting of data from various cultural sites. The modules were integrated into the platform during a one week hackathon.

events & presentations



SQC invites to ASQF meeting about empirical research methods in Software Engineering

The Association for Software Quality and Further Education (ASQF) and SQC cordially invite to this year's meeting of the [ASQF group for software testing and SOA/MW](#). The meeting takes place on October 20th at Fraunhofer FOKUS and includes a presentation „In God we trust, everyone else bring data“ by Prof. Dr. Harald Störrle. Free [registration](#).



Interaction and Collaboration at the 2nd RISK Workshop

Fraunhofer FOKUS will present three papers at the 2nd International Workshop on Risk Assessment and Risk-driven Testing ([RISK](#)). By providing a platform for discussion, interaction and collaboration, the objective of this workshop is to bring industry and science together. It addresses systematic approaches that combine risk assessment and testing. Further details on the [RISK workshop](#).



OPENSYM 2014: Open Collaboration

From August 27-29, 2014, the 10th edition of the „International Symposium on Open Collaboration (OpenSym)“ took place at Fraunhofer FOKUS for the first time. Researchers from different fields debated on topics of public cooperation, e.g. Wiki, Social Media and Open Source Software. More about the [OpenSym Conference 2014](#).



Keynote: Approaches to Automation and Interoperability in Systems Engineering

On September 28th, 2014, the director of System Quality Center (SQC) [Dr. Tom Ritter](#) was keynote speaker at the „[1st International Workshop on Model-Driven Development Processes and Practices \(MD2P2\)](#)“ in Valencia, Spain. In his talk „Approaches to Automation and Interoperability in Systems Engineering“, he presented challenges and solutions in engineering efforts. Read the [proceeding](#).

publications & awards



New Acatech Publication on ICT

As part of the new publication „[Integrierte Informations- und Kommunikationstechnologien \(IKT\) für die Stadt der Zukunft](#)“ (only available in German) of the National Academy of Science and Engineering (acatech), [Prof. Dr. Ina Schieferdecker](#) of Fraunhofer FOKUS defines fields of action in urban processes and dynamisation of static structures through information and communication technologies (ICT). Read [more](#).

With best regards
Dr. Tom Ritter & Friedrich Schön and the Fraunhofer FOKUS SQC-Team

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