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SQC NEWS | 14 | 03

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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Eclipse UML Profile Repository (UPR) launched which allows to master complexity in the Eclipse modeling landscape

5th Eclipse Integrated Development Day in June 2014 focuses on today's interoperability challenges in system engineering

Paper Published on „Design and Evaluation of Techniques for Resilience and Survivability of the Routing Node"

projects & activities

MASTERING COMPLEXITY – ECLIPSE UML PROFILE REPOSITORY

In January, SQC has launched the Eclipse Profile Repository (UPR), a approach, to tackling incompatibilities in the Eclipse modeling landscape. UPR offers implementations of standardized UML-Profiles and thereby achieves more interoperability between Eclipse-based applications. The repository provides daily downloads on the Eclipse Website.

SYSTEM QUALITY ON DISPLAY – SHOWROOM OPENS IN APRIL

The SQC showroom will open its doors in April 2014, displaying the various services offered by the System Quality Center. The exhibit covers a wide range of projects, including the interoperability frame-work ModelBus® or MUSE, an architecture enabling the position tracking of spacecraft. Dr. Tom Ritter and Friedrich Schön, Directors of the Competence Center, are looking forward to demonstrating the projects.

FRAUNHOFER FOKUS & VATTENFALL FOUND INDUSTRY FORUM

SQC is collaborating on an industry forum with Vattenfall and IT4Energy. They will cooperate on a certification scheme for VHPready (Virtual Heat and Power ready). VHPready standardizes the control of decentralized energy facilities, enabling their easy and economic integration into virtual power plants. The industry forum has been officially launched during this year's E-world Energy & Water in Essen.

SPRINT – SIMPLIFYING THE DESIGN OF COMPLEX SYSTEMS

The SPRINT project – short for Software Platform for Integration of Engineering and Things was completed successfully after 4 years of development. The new Internet platform connects various tools, both virtual and physical components to simplify verification. It supports the entire development process from product design over integration up to deployment. Further informations are available on www.sprint-iot.eu

events & presentations

5TH ECLIPSE INTEGRATED DEVELOPMENT DAY (IDD) ANNOUNCED

SQC will host the next Eclipse IDD on June 3rd, 2014. This edition focuses on today's interoperability challenges in system engineering such as data interoperability, data consistency, data variants, traceability and tool integration. SQC invites experts and practitioners using Eclipse techno-logy. Register for free as attendee or participate as speaker!
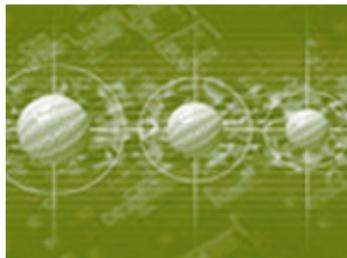
‚OPEN DATA RESEARCH TRACK' AT OPENSYM 2014

The 10th International Symposiums OpenSym will be hosted by Fraunhofer FOKUS from August 27-29 and is dedicated to open collaboration research. The ‚Open Data Research Track' contributes to the increasing awareness on Open Data research and is open for submissions till April 20th. Registration for OpenSym 2014 will be open soon.

IN RETROSPECT: SQC AT EMBEDDED WORLD 2014

From February, 25-27, SQC experts participated at the embedded world 2014 in Nuremberg. They presented a test environment for testing of systems for the Vehicle-to-X-communication as well as an exhibit for the development of control devices with safety features. Such control systems are used in mobile machines like mechanical diggers.

publications & awards

PAPER PUBLISHED ON „DESIGN AND EVALUATION OF TECHNIQUES FOR RESILIENCE AND SURVIVABILITY OF THE ROUTING NODE"

Nikolay Tcholtchev, research associate at the System Quality Center, has collaborated with international researchers on a paper concerned with resilience and survivability in autonomic networks. The paper was published in the International Journal of Adaptive, Resilient and Autonomic Systems and can be accessed via the journal's website.

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

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