Safe Automotive soFtware architEcture (SAFE)

Newsletter No. 03

Welcome to the SAFE newsletter

Welcome to the third newsletter of the SAFE project. With the beginning of 2013 we reached half time of the project. Although half of the project is still in front of us we already published several of our conceptual results.

This newsletter informs you about why we have done this and what we request from you!

If you are new to SAFE you can find a short summary of the project at the end of this newsletter.

Concept review

Although we have still more than one year to work in the SAFE project we are happy to announce that we published several concept documents in March 2013 and will publish our integrated meta-model in May 2013. All documents are in a draft version as the project still continues until June 2014. But, with that initiative we ask the market for review such that we are able to consider your feedback already during the final project lifetime. The documents are available either through the ITEA2 project site for SAFE or at the Internet page www.safe-project.eu.

Please address your comments before June to the project coordinator, Stefan Voget. With the help of your feedback we will improve the concepts during the remaining project lifetime.

These conceptual results are the core of the SAFE project. The target is to use model based techniques to fulfill the requirements of the ISO26262 norm. The set of published concept documents consists of proposals for extension of existing meta-models for

- hazard and environment modeling
- safety requirement expression modeling
- safety case modeling
- software and system modeling
- hardware modeling
- error failure and propagation

The concepts are integrated in a meta-model. To enable the development of tools, also an Eclipse Ecore file as well as a XML schema will be published.

Upcoming Events

June 2013

Actually the SAFE project team evaluates if the meta-model can be standardized together with the OMG. An open technical workshop will be organized in June in Berlin, Germany. More information about the workshop is available at http://www.omg.org/news/meetings/tc/berlin-13/info.htm.

September 2013

Training is one important mean to make a meta-model usable. Therefore, the SAFE project partners organize an Automotive Summerschool in cooperation with the University of Applied Science in Regensburg, Germany. More information about the Summerschool is available at http://www.hs-regensburg.de/weiterbildung/fachtagungen/automotive-summerschool-2013.html.

Best regards by the SAFE consortium partners

 (SAFE is an ITEA2 project)

- aquintos GmbH
- BMW Car IT GmbH
- Continental Automotive France SAS
- Continental Automotive GmbH
- Continental Teves AG & Co. oHG
- Dassault Systèmes SA
- FZI Forschungszentrum Informatik
- ITEMIS France SARL
- Laboratoire Bordelais de Recherche en Informatique
- OFFIS e.V.
- Pure Systems GmbH
- TÜV Nord Mobilität IFM
- Valeo Equipements Electriques Moteur
- ZF Friedrichshafen AG

 (SAFE-E is an EUROSTARS project, which is entirely affiliated with SAFE)

- AVL Software and Functions GmbH
- Fortiss GmbH
- Infineon Technologies AG
- TTTech Computertechnik AG

SAFE - Project Summary

The SAFE project provides solutions to demonstrate compliance with the automotive functional safety standard "ISO26262" for the development of safe automotive applications based on the "AUTOSAR" architecture.

Objectives

- Minimize modelling effort by the integration of safety documentation and analysis
- Enable application of ISO26262 in AUTOSAR architecture and methodology
- Enable ISO26262 compliant processes

Expected results

- Assessment model for demonstration of compliance to the ISO 26262
- Technology platform for development of automotive products
- Proposal for extension of the AUTOSAR standard, with specialized properties for safety analysis

For more information about SAFE, please have a look at our website www.safe-project.eu. Project information, publicly available results and news from the project are presented there.

Acknowledgement

This newsletter has been sent to you because you were mentioned as possibly interested in the SAFE project. If you want to receive further newsletters in the future please register with an e-mail to the project coordinator stefan.voget@continental-corporation.com.