

12.04.2017: Call for Papers / Call for Workshop Contributions

Best Practices in Implementing Traceability

Workshop 3 at the 24th EuroAsiaSPI 2017 Conference
5.-8. September 2017
VSB Technical University of Ostrava, Czech Republic
<http://2017.eurospi.net>

Workshop Program Chairs & Moderators



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Definition of Traceability

Traceability is a **concept required by Automotive SPICE, Functional Safety, and Medical Device Industry**. Automotive SPICE requires traceability from customer requirements all way through to the source code. This includes various different development and test levels and also different artefacts of the development. Solutions vary from company to company. In SOQRATES (a working group kicked off by the Bavarian SW initiative in 2003 and now represented by ca. 20 leading electronics and Automotive companies) a best practice was developed and shared. Automotive SPICE 3.0 shows that in future the mechanical V-model and also the electronics V-model will be included in the assessment model and traceability.

Key Contributors

Key contributions will come from European initiatives which developed best practices for traceability. However, the workshop is open to include experts who are willing to share their best practices with the community.

The Automotive SPICE 2.5/3.0 standard Annex D contains a traceability concept which forms the basis for all engineering processes and which all Automotive suppliers must be able to demonstrate.

The ISO 14971 and ISO 62304 standards in the medical device industry requires the traceability of risk measures and counter measures.

The functional safety standards IEC 61508, ISO 26262, ISO 60601, etc. require traceability for the safety goals, functional and technical safety concept, etc.

The IT security standards, e.g. SAE J3061 require traceability for the cybersecurity goals, functional and technical cybersecurity concept and requirements, etc.

The working party traceability of the SOQRATES initiative elaborates traceability concepts which are shared among a group of leading Automotive and electronic suppliers.

Some OEMs (e.g. Volkswagen with Konzerngrundanforderungen Software KGAS) demand additional characteristics like not more than 1:10 decomposition and linking.

We invite experts to share their experiences with the EuroSPI community:

- **Good traceability practices / experiences**
- **Bad traceability practices / experiences**
- **Re-Use of traceability** in "Baukasten" architectures
- **Automatic generation** of reports
- **Environments and tools supporting traceability**

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:

- **What are good practices to repeat?**
- **What are bad practices to be avoided?**
- **How do successful linking strategies work?**
- **What are key success factors?**
- **How do we integrate the traceability concepts to cover all mentioned norms?**
- **What metrics are used?**
- **Do we need a domain specific approach (Automotive versus IT service versus medical etc.)**

Each presentation will be discussed towards these main topics of interest. A panel discussion at the end shall come up with a summary of the solutions presented and with new research topics to focus on to solve this integrated approach (work for next year to meet at next EuroSPI and share again).

Submission Dates

12.04.2017	First Workshop Paper Submissions
30.04.2017	Review by International Programme Committee and Notification of Acceptance
12.06.2017	Camera Ready Version of Paper for Book
31.07.2017	Early Registration Deadline (All presenters register)
30.08.2017	Upload of Powerpoint Conference Presentation

EuroAsiaSPI²2017

European & Asian System & Software Process Improvement and Innovation

Sponsorship for best papers



There will be a sponsorship for the best research papers dealing with one of the following topics:

- Traceability in Automotive/Medicine and Healthcare
- Traceability in industry and research

The sponsorship includes a complete early bird ticket for the EuroAsiaSPI 2018 Conference. Papers based on surveys in the industry are especially welcomed.

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SPRINGER Book Series

EuroAsiaSPI is publishing an annual SPRINGER book which has ca. 13000 downloads per year. **The workshop papers will form a chapter for Traceability in the SPRINGER book.**



Join in and submit your paper before 12.04.2017 to:

<http://eurospi2017.net> ---SUBMISSION

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