**RESEARCH PROJECTS**

**Behavior-based Architectural Conformance Checking**  
Ana Nicolaescu

**DevOps-aware Software Engineering**  
Andreas Steffens

**Domain Model-based Test Data Generation for Application Systems**  
Konrad Fögen

**Enterprise Architecture Roundtrip-Management**  
Simon Hacks

**Cost Benefit based Technical Debt Management**  
Firdaus Harun
**February: 3rd CSE Workshop in Ulm**

Co-located with the German Software Engineering Conference, we organize the 3rd Workshop on Continuous Software Engineering together with colleagues from TU Munich and Nurnberg University.

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**March: Research Stay at KTH Royal Institute of Technology, Stockholm**

Simon Hacks was invited to do a four-week research stay at the department of network and systems engineering of the KTH in Stockholm, Sweden. There he worked in the research group of Professor Pontus Johnson together with Sotirios Katsikeas on the modeling and simulation of vehicular cyber-attacks. Their work resulted in a paper, which was accepted at the ICISSP 2019.
**HIGHLIGHTS**

**JUNE: Master Industry Award 2018**

Our Master student **Jan Döring** received the **2018 Industry Award** at the Computer Science Summer Festival for his outstanding Master Thesis entitled “An Architecture for Self-organizing Continuous Delivery Pipelines”.

The award was handed over by a representative of DSA Aachen.

**Congratulations!**

**JULY: Andreas Steffens and Horst Lichter visited UTM and UTP, Malaysia**

In the context of our DAAD project Andreas Steffens and Horst Lichter gave a one week compact course at UTM Johor Bahru and UTP Seri Iskandar.
JULY: Horst Lichter presented at the MCMC CAPE Workshop on Disruptive Technologies & Software Engineering, Kuala Lumpur, Malaysia

The workshop has been organized and funded by the DAAD project. The talk was entitled “Software Engineering for Disruptive Technologies - Current and Future Challenges”

JULY: Horst Lichter presented a keynote at 15th International Conference on Computer Science and Software Engineering, Bangkok,

The conference was organized by Mahidol University Bangkok, Thailand. The talk was entitled “Reconstruction and Evaluation of Software Architectures”
SEPTEMBER: Ana Nicolaescu’s Ph.D. Defense

On September 13, Ana Nicolaescu successfully passed her Ph.D. defense on “Behavior-Based Architecture Conformance Checking”.

Thanks to Prof. Claus Lewerenz for supporting this defense!

Ana is now with Daimler Stuttgart.

Congratulations!

DECEMBER: 6th QuASoQ Workshop in Nara, Japan

Collocated with the 25th Asia-Pacific Software Engineering Conference (APSEC 2018), we organized the 6th International Workshop “Quantitative Approaches to Software Quality” (QuASoQ) in Nara.

The keynote was given by Hongyu Zhang, University of Newcastle, Australia.

Konrad Fögen chaired the workshop!


