

## **Program Risk Workshop 2018, Tuesday October 18<sup>th</sup>, 9:00 – 17:30**

**9:00 – 10:00**

**Keynote (shared with ICTSS)**

Arnaud Gotlieb: **Constraint-Based Test Suite Optimization**

**10:30 – 12:00: Security Risk Management (Session 1)**

Session chair: Jürgen Großmann

*10:30 – 10:45*

*Welcome by Jürgen Großmann and Michael Felderer*

10:45-11:10

Johannes Viehmann: **Business Driven ICT Risk Management in the Banking Domain with RACOMAT**

11:10- 11:35

Gencer Erdogan, Marit Natvig, Aida Omerovic and Isabelle C.R. Tardy: **Towards Transparent Real-Time Privacy Risk Assessment of Intelligent Transport Systems**

11:35 -12:00

Benjamin Aziz and Jeyong Jung: **Check Your Blind Spots: A New Cyber-Security Metric for Measuring Incident Response Readiness**

**13:20 – 15:00: Security Risk Analysis (Session 2)**

Session Chair: Michael Felderer

13:20 – 13:45

Pontus Johnson, Alexandre Vernotte, Dan Gorton, Mathias Ekstedt and Robert Lagerström: **Quantitative Information Security Risk Estimation using Probabilistic Attack Graphs**

13:45 – 14:10

Steve Muller, Carlo Harpes and Cédric Muller: **Fast and Optimal Countermeasure Selection for Attack Defence Trees**

14:10 – 14:35

Laurens Lemaire, Jan Vossaert, Bart De Decker and Vincent Naessens: **An Assessment of Security Analysis Tools for Cyber-Physical Systems**

14:35 – 15:00

Daniel Angermeier, Alexander Nieding and Jörn Eichler: **Supporting risk assessment with the systematic identification, merging and validation of security goals**

**15:30 – 17:30: Risk-based Testing (Session 3)**

Session chair: Jürgen Großmann

15:30 – 15:55

Gencer Erdogan and Ketil Stølen: **Design Decisions in the Development of a Graphical Language for Risk-Driven Security Testing**

15:55 – 16:20

Rudolf Ramler and Michael Felderer: **Towards a Lightweight Approach for Estimating Probability in Risk-Based Software Testing**

16:20 – 16:45

Martin Schneider and Marc-Florian Wendland: **Gaining Certainty about Uncertainty Testing for Uncertainties of Cyber-Physical Systems at the Application Level**

16:45 – 17:10

Michael Felderer, Florian Auer and Johannes Bergsmann: **Risk Management during Development: Results of a Survey in Software Houses from Germany, Austria and Switzerland**

17:10 – 17:30

*Wrap up and next steps*