14th International ERCIM/EWICS/ARTEMIS Workshop on "Dependable Smart Embedded and Cyber-Physical Systems and Systems-of-Systems" at SAFECOMP 2019 (DECSoS '19)

Turku (Abo), Finland, Sept. 10, 2019

Co-hosted by the ARTEMIS/ECSEL projects AQUAS, AutoDrive, Productive4.0, iDev40, AfarCloud SECREDAS, ARROWHEAD-Tools and Comp4Drones

Erwin Schoitsch, AIT Austrian Institute of Technology
Amund Skavhaug, NTNU, Trondheim, Norway

Preliminary Programme

9:00 - 10:30 Registration

10:30 – 11:00 Coffee Break

Welcome and Introduction

11:00 – 11:30 ERCIM/EWICS/ARTEMIS DECSoS Workshop: European Research and Innovation Projects in the Field of Cyber-Physical Systems and Systems-of-Systems (Selective Overview);
by Erwin Schoitsch and Amund Skavhaug

Session 1: Safety & Security Analysis

11:30 – 12:00 Comparative Evaluation of Security Fuzzing Approaches
by Loui Al Sardy, Andreas Neubaum, Francesca Saglietti and Daniel Rudrich

12:00 – 12:30 Assuring compliance with protection profiles with ThreatGet
by Magdy El Sadany, Christoph Schmittner and Wolfgang Kastner

12:30 – 13:30 Lunch Break

Session 2: Safety/Security/Privacy Systems Co-Engineering

13:30 – 14:00 A Survey on the Applicability of Safety, Security and Privacy Standards in Developing Dependable Systems, *by Lijun Shan, Behrooz Sangchoolie, Peter Folkesson, Jonny Vinter, Erwin Schoitsch, Claire Loiseaux (invited paper)*

14:00 – 14:30 Combined Approach for Safety and Security
by Siddhartha Verma, Thomas Gruber and Christoph Schmittner

14:30 – 15:00 Towards Integrated Quantitative Security and Safety Risk Assessment
by Jürgen Dobaj, Christoph Schmittner, Michael Krisper and Georg Macher

15:00 – 15:30 Coffee Break

Session 3: IoT Applications

15:30 – 16:00 Potential use of safety analysis for risk assessments in Smart City Sensor network applications
by Torge Hinrichs and Bettina Buth

16:00 – 16:30 Increasing Safety of Neural Networks in Medical Devices
by Uwe Becker

16:30 – 17:00 Smart Wristband for Voting
by Martin Pfatrisch, Linda Grefen and Hans Ehm