

CERTS 2018 Program

8:30 -- 9:00	Registration
9:00 -- 9:10	<p><i>Welcome and Opening Remarks</i></p> <p>Sibin Mohan, University of Illinois at Urbana-Champaign Mikael Asplund, Linkoping University</p>
9:10 -- 10:10	<p><i>Keynote: "Dependability and Security in Critical Transportation Industries"</i></p> <p>Michael Paulitsch, Intel Labs Europe</p>
10:10 -- 10:30	Q&A
10:30 -- 11:00	Coffee Break
11:00 -- 12:30	Technical Session I: Full Papers
11:00 -- 11:30	<p><i>A Systematic Way to Incorporate Security in Safety Analysis</i></p> <p>Elena Lisova, Malardalen University Aida Causevic, Malardalen University Kaj Hanninen, Malardalen University Henrik Thane, Malardalen University Hans Hansson, Malardalen University</p>
11:30 -- 12:00	<p><i>Validating and Securing DLMS/COSEM Implementations with the ValiDLMS Framework</i></p> <p>Henrique Mendes, University of Lisbon Ibéria Medeiros, University of Lisbon Nuno Neves, University of Lisbon</p>
12:00 -- 12:30	<p><i>Design for Dependability through Error Propagation Space Exploration</i></p> <p>Imre Kocsis, Budapest University of Technology and Sciences</p>
12:30 -- 14:00	Lunch Break
14:00 -- 15:40	Technical Session II : Short and Invited Papers
14:00 -- 14:20	Short Paper: Real-Time Security through a TEE

	<p>Roberto Duenez, University of Houston Albert Cheng, University of Houston</p>
14:20 -- 14:40	<p>Invited Paper: <i>Security-Aware Safety: Development and Assessment Perspectives</i></p> <p>Elena Troubitsyna, Royal Institute of Technology (KTH)</p>
14:40 -- 15:00	<p>Invited Paper: <i>Cyber-Physical Control Systems: Vulnerabilities, Threats, and Mitigations</i></p> <p>Luis Garcia, Rutgers University Saman Zonouz, Rutgers University</p>
15:00 -- 15:20	<p>Invited Paper: <i>Using Schedule-Abstraction Graphs for the Analysis of CAN Message Response Times</i></p> <p>Mitra Nasri, Max Planck Institute for Software Systems Arpan Gujarati, Max Planck Institute for Software Systems Björn B. Brandenburg, Max Planck Institute for Software Systems</p>
15:20 -- 15:40	<p>Invited Paper: <i>Fault-Injection on a Haptic Rendering Algorithm in the Raven Surgical Robot</i></p> <p>Keywhan Chung, University of Illinois at Urbana-Champaign Xiao Li, University of Illinois at Urbana-Champaign Zbigniew T. Kalbarczyk, University of Illinois at Urbana-Champaign Ravishankar K. Iyer, University of Illinois at Urbana-Champaign Thenkurussi Kesavadas, University of Illinois at Urbana-Champaign</p>
15:40 -- 15:45	<p><i>Closing Remarks</i></p> <p>Mikael Asplund, Linkoping University Sibin Mohan, University of Illinois at Urbana-Champaign</p>