IEEE REAL-TIME SYSTEMS SYMPOSIUM • Hardward Software Architecture • Real-time Operating Systems and Scheduling

RTSS 2013 DECEMBER 3-6, VANCOUVER, CANADA







4th Analytic Virtual Integration of Cyber-Physical Systems Workshop (AVICPS)

Sessions: Salon D	Lunch: Tuscany Room
9:00 – 9:10	Introduction and Welcome Gabor Karsai and David Broman
9:10 – 10:30	Some Challenges for Model-Based Simulation
Paper Session I: Mathematical	Walid Taha and Robert Cartwright
Fundamentals	Operational Semantics for a Modular Equation Language
Chair: David Broman	Christoph Höger
10:30 - 11:00	Break
11:00 - 12:30	Verifying Consistency Between Models August Schwerdfeger, Hazel Shackleton, and Steve Vestal
Paper Session II: Model	August Schwer Geger, Huzet Shuckleton, und Stebe Vestul
Integration	Towards a Safe Compositional Real-Time Scheduling Theory for Cyber-Physical Systems
Chair: Gabor Karsai	Linh Thi Xuan Phan
12:30 - 14:00	Lunch
14:00 - 15:30	
Discussion session	Challenges and Opportunities in Analytic System Integration
15:30 - 16:00	Break
16:00 - 17:15	Early Phase Memory Leak Detection in Embedded Software Designs with Virtual Memory Management Model
Paper Session 3: Model Analysis	Mabel Mary Joy, Wolfgang Mueller, and Franz Rammig
Chair: David Broman	Refinement of AADL models using early-stage analysis methods <i>Guillaume Brau, Jérôme Hugues, and Nicolas Navet</i>
17:15	Workshop Closing