

OSPERT 2016 Program

Tuesday, July 5th 2016	
8:30 – 9:30	Registration
9:30 – 10:45	Keynote talk: <i>From Research to Reality: Releasing System Software to the Masses</i> <i>Adam Lackorzynski</i>
10:45 – 11:00	Short Paper Towards versatile Models for Contemporary Hardware Platforms <i>Hendrik Borghorst, Karen Bieling, Olaf Spinczyk</i>
11:00 – 11:30	Coffee Break
11:30 – 13:00	Session 1: Multicore and Parallel Systems A communication framework for distributed access control in microkernel-based systems <i>Mohammad Hamad, Johannes Schlatow, Vassilis Prevelakis, Rolf Ernst</i> Tightening Critical Section Bounds in Mixed-Criticality Systems through Preemptible Hardware Transactional Memory <i>Benjamin Engel</i> GPU Sharing for Image Processing in Embedded Real-Time Systems <i>Nathan Ottermess, Vance Miller, Ming Yang, James H. Anderson, F. Donelson Smith, Shige Wang</i>
13:00 – 14:30	Lunch
14:30 – 15:00	Discussion on Open Research Challenges in Real-Time Operating Systems
15:00 – 16:00	Session 2: Real-Time and Predictability Combining Predictable Execution with Full-Featured Commodity Systems <i>Adam Lackorzynski, Carsten Weinhold, Hermann Härtig</i> Timeliness Runtime Verification and Adaptation in Avionic Systems <i>José Rufino and Inês Gouveia</i>
16:00 – 16:30	Coffee Break
16:30 – 18:00	Session 3: OS and System Modelling Effective Source Code Analysis with Minimization <i>Geet Tapan Telang, Kotaro Hashimoto, Krishnaji Desai</i> Towards Real-Time Operating Systems for Heterogeneous Reconfigurable Platforms <i>Marco Pagani, Mauro Marinoni, Alessandro Biondi, Alessio Balsini, Giorgio Buttazzo</i> An implementation of the flexible spin-lock model in ERIKA Enterprise on a multi-core platform <i>Sara Afshar, Maikel P.W. Verwielen, Paolo Gai, Moris Behnam, Reinder J. Bril</i>
18:00 – 18:15	Closing Remarks
Wednesday, July 6th – Friday, July 8th 2016	
ECRTS main conference.	

