

RTSOPS 2012 Seminar Program

Tuesday, July 10, 2012

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| 8:30 – 9:30 | Registration |
| 9:30 – 9:40 | Welcome and Introduction |
| 9:40-10:25 | Open Problems Presentation Session I 09:40 The Real-Time Multi-Resource Task Model Cong LIU 09:55 Dependent Probabilistic Real-Time Luca SANTINELLI 10:10 Undoing the Task: Moving Timing Analysis back to Functional Models Marco DI NATALE and Haibo ZENG |
| 10:25 – 11:00 | Collaborative Session I |
| 11:00 – 11:30 | Coffee Break |
| 11:30 – 12:15 | Open Problems Presentation Session II 11:30 The Chilling Effect of Parallelism: Analysis and Allocation of Parallel Real-Time Jobs for Peak System-Temperature Minimization Joel GOOSSENS and Nathan FISHER 11:45 Exploiting online WCET estimates Sverre HENDSETH and Giorgio BUTTAZZO 12:00 Can Randomness Buy Clairvoyance? A Look into Stochastic Scheduling of Mixed Criticality Real-Time Job Systems with Execution Time Distributions Bader ALAHMAD and Sathish GOPALAKRISHNAN |
| 12:15 – 13:00 | Collaborative Session II |
| 13:00 – 14:30 | Lunch |
| 14:30 – 15:15 | Open Problems Presentation Session III 14:30 Is it possible to schedule target sensitive recurring tasks for increased utility accrual using task level rather than job level information? Raphael GUERRA and Gerhard FOHLER 14:45 Towards optimal priority assignments for real-time tasks with probabilistic arrivals and execution times Dorin MAXIM 15:00 Exploiting Uni-Processor Schedulability Analysis for Partitioned Task Allocation on Multi-Processors with Precedence Constraints Mario BAMBAGINI, Giorgio BUTTAZZO and Sverre HENDSTH |
| 15:15 – 16:00 | Collaborative Session III |
| 16:00 – 16:30 | Coffee Break |
| 16:30 – 17:00 | Open Problems Presentation Session IV 16:30 Energy Saving Exploiting the Limited Preemption Task Model Mario BAMBAGINI, Giorgio BUTTAZZO and Marko BERTOGNA 16:45 Heterogeneous multiprocessor compositional real-time scheduling João Pedro CRAVEIRO and José RUFINO |
| 17:00 – 17:40 | Collaborative Session IV |
| 17:40 – 18:00 | Wrap-up/Discussion |