RTSOPS 2010 Seminar Program

Tuesday, July 6, 2010	
8:30 – 9:00	**Registration**
9:00 – 9:15	**Welcome and Introduction**
9:15 – 10:30	**Open Problems Presentation Session I:** *Conjecture about global fixed-priority preemptive multiprocessor scheduling of implicit-deadline sporadic tasks: The utilization bound of SM-US($\sqrt{2}$-1) is $\sqrt{2}$-1* Bjorn Andersson *Dual Priority Scheduling: Is the Processor Utilisation bound 100%.* Alan Burns *Influence of the task model on the precision of Scheduling Analysis for preemptive Systems* Sebastian Altmeyer and Claire Maiza *On the Complexity of PROFINET IRT Scheduling* Olaf Graeser and Oliver Niggemann *Real-Time Analysis of Round-based Distributed Algorithms* Alexander Kößler, Heinrich Moser and Ulrich Schmid *Problems in Scheduling Self-Suspending Tasks* Karthik Lakshmanan, Shinpei Kato and Ragunathan Rajkumar
10:30 – 11:00	**Coffee Break**
11:00 – 12:30	**Collaborative Session**
12:30 – 13:30	**Lunch**
13:30 – 14:45	**Open Problems Presentation Session II:** *Scheduling of self-suspending tasks: state of art and new insights* Frédéric Ridouard and Pascal Richard *Efficient RMS schedulability tests* Dirk Mueller and Matthias Werner *A note on task-parallelism upon multiprocessors* Joel Goossens and Shelby Funk *Improvement of schedulability bound by task splitting in partitioning scheduling* Frédéric Fauberteau, Serge Midonnet and Laurent George *Impact of job dropping on the schedulability of uniprocessor probabilistic real-time systems with variable execution times* Olivier Buffet and Liliana Cucu-Grosjean *A sharp threshold for rate monotonic schedulability of real-time tasks* Sathish Gopalakrishnan
14:45 – 15:30	**Collaborative Session**
15:30 – 16:00	**Coffee Break**
16:00 – 17:45	**Collaborative Session**
17:45 – 18:00	**Wrap-up/Discussion**