



RTSOPS 2013

The 4th Real-Time Scheduling Open Problems Seminar

July 9 2013 - Paris, France

(held in conjunction with ECRTS 2013)

Program

8:30 a.m. REGISTRATION	
SESSION 1	
9:30 a.m.	INVITED TALK: ALIX MUNIER, UNIVERSITY OF PARIS VI
10:15 a.m.	IS AUDSLEY'S SCHEME THE MOST EXPRESSIVE OPTIMAL PRIORITY ASSIGNMENT SCHEME?
10:30 a.m.	REALITY CHECK: THE NEED FOR BENCHMARKING IN RTS AND CPS
10:45 a.m.	COLLABORATIVE SESSION 1
11:00 a.m. COFFEE BREAK	
SESSION 2	
11:30 a.m.	GLOBAL LAXITY-BASED SCHEDULING ON MULTIPROCESSOR RESOURCE RESERVATIONS
11:45 a.m.	UNIFORM MULTIPROCESSOR PERIODIC RESOURCE MODEL
12:00 p.m.	SCHEDULABILITY ANALYSIS WITH AN EXTENDED TIMING DEFINITION LANGUAGE
12:15 p.m.	COLLABORATIVE SESSION 2
1:00 p.m. LUNCH	
SESSION 3	
2:30 p.m.	TOWARDS A SHARED DATA-AWARE MULTICORE SCHEDULER
2:45 p.m.	IMPROVEMENTS TO STATIC PROBABILISTIC TIMING ANALYSIS FOR SYSTEMS WITH RANDOM CACHE REPLACEMENT POLICIES
3:00 p.m.	STATIC PROBABILISTIC TIMING ANALYSIS FOR MULTICORE PROCESSORS WITH SHARED CACHES
3:15 p.m.	COLLABORATIVE SESSION 3
4:00 p.m. COFFEE BREAK	
SESSION 4	
4:30 p.m.	ENERGY-AWARE SCHEDULING FOR TASKS WITH MIXED ENERGY REQUIREMENTS
4:45 p.m.	EXPLOITING PERIOD COMPATIBILITY FOR PARTITIONED RATE-MONOTONIC SCHEDULING USING CIRCULAR STATISTICS
5:00 p.m.	COLLABORATIVE SESSION 4 + WRAP-UP