



# Barcelona Multicore Workshop

## 21st-22nd October, 2010

Sala d'actes ETSEIB



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## Thursday 21 October

09:00	Registration
09:20	Welcome, Mateo Valero (BSC/UPC) and Fabrizio Gagliardi (Microsoft)
09:30	Jose Maria Cela (BSC), Seismic Imaging on Accelerators
10:00	Burton Smith (Microsoft), <a href="#">Operating System Resource Management</a>
10:30	Timothy Roscoe (ETH-Zurich), Barrelfish and the Multicore Challenge for System Software
11:00	Coffee break
11:30	Guri Sohi (Wisconsin), <a href="#">Rethinking Parallel Execution for Multicore Processors</a>
12:00	David Grove (IBM), <a href="#">Multicore Software Challenges</a>
12:30	Walid Najjar (UC-Riverside), <a href="#">Experiences with High-Level Language Programming of FPGA Accelerators</a>
13:00	Lunch
14:30	Panel Chaired by Avi Mendelson (Microsoft): <a href="#">Can Software Cope with the Pace of Hardware Development?</a>
16:30	Coffee break
16:45	Jesus Labarta (BSC), <a href="#">Hybrid/Heterogeneous Programming with StarSs</a>
17:15	Manolis Katevenis (Forth), <a href="#">Replicate and Migrate Objects in the Runtime, not Cache Lines or Pages in Hardware</a>
17:45	Martin Pohlack (AMD), <a href="#">Brief introduction: AMD's Advanced Synchronization Facility (ASF)</a>
18:15	MareNostrum visit
19:00	End of sessions

## Friday 22 October

09:00	Panel Chaired by Koen De Bosschere (Gent): <a href="#">Recent FP7 Successes in Multi-core Computing</a>
11:00	Coffee break
11:30	Brad Chamberlain (CRAY), <a href="#">Chapel at the Petascale and on the Desktop: Challenges and Potential</a>
12:00	Krisztián Flautner (ARM), Evolving Multiprocessing from a Tool to a Solution
12:30	Kunle Olukotun (Stanford), <a href="#">A Domain Specific Approach To Heterogeneous Parallelism</a>
13:00	Workshop close