

events

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Main Topics	Schedule	Speaker	Affiliation	Type of presentation	Title (tentative)	Download
Workshop Day 1	Monday June 27th					
Registration	08:30					
Welcome and Introduction	09:00	Marc Snir + Franck Cappello	INRIA & UIUC	Background	Welcome Workshop objectives and organization	
	09:15	François Sillion / Jean Roman	INRIA	Background	INRIA and HPC	
Keynote Chair: Marc Snir	09:30	Don Wuebbles	UIUC	Joint Results	Taking the science of climate change to exascale	
	10:30	Break				
From Petascale to Exascale Chair: Bill Kramer	11:00	Jean-François Mehaut	INRIA	Background	Mont-Blanc, European scalable and power efficient HPC platform based on low-power embedded technology	DW talk for INRIA.pptx
	11:30	Michel Kern		Background	"La Maison de la Simulation"	
	12:00	Marc Snir and Franck Cappello, INRIA&UIUC		Joint Results	Joint-Lab 2010-2011 activity report	
	12:30	Lunch				
System software Chair: Bruno Gaujal	14:00	Bill Kramer	UIUC	Background	BlueWaters	
	14:30	Franck Cappello	INRIA & UIUC	Joint Results	Introduction of the activities in System	
	14:40	Gabriel Antoniu / Matthieu Dorier	INRIA	Joint Results	Damaris: Leveraging Multicore Parallelism to Mask I/O Jitter (ACM ICS Student Competition Awardee)	
	15:10	Break				
Chair: Franck Cappello	15:40	Mathias Jacquelin	INRIA	Joint Results	Comparing archival policies for BLUE WATERS	
	16:10	Derrick Kondo/Ana Gainaru	UIUC	Joint Results	Modeling and Tolerating Heterogeneous Failures in Large Parallel Systems (to be presented as ACM/IEEE SC11)	
	16:40	Leonardo Bautista Gomez	INRIA & Titec	Joint Results	Fault Tolerance Interface: Over 100Tflops earthquake simulations using more than 1000 GPUs on TSUBAME2.0 (to be presented as ACM/IEEE SC11, top score student paper, special recognition certificate)	
	17:10	Amina Guermouche	INRIA	Joint Results	HydEE: A Cluster-Based Hybrid Checkpointing Protocol for MPI Applications	
Workshop Day 2	Tuesday June 28th					
System Software cont. Chair: Philippe Navaux	09:00	Bogdan Nicolae	INRIA	Joint Results	BlobCR: Efficient Checkpoint-Restart for HPC Applications on IaaS Clouds using Virtual Disk Image Snapshots (to be presented as ACM/IEEE SC11)	
	09:30	Frederic Vivien	INRIA	Joint Results	Checkpointing strategies for parallel jobs (to be presented as ACM/IEEE SC11)	
Programming models Chair: Sanjay Kale	10:00	Sanjay Kale	UIUC	Joint Results	Introduction of the activity in Programming Models	
	10:10	Emmanuel Jeannot	INRIA	Joint Early Results	Topology and communication-aware load balancing	
	10:40	Break				
	11:10	Jean-François Méhaut	INRIA	Joint Early Results	Improving Parallel System Performance with a NUMA-aware Load Balancer	
	11:40	Julien Bigot	INRIA	Joint Early Results	Gluon+: <u>turning Charm+</u> applications into components	
	12:10	Lunch				
Exascale Chair: Denis Trystram	13:30	Dimitri Komatitsch	INRIA	Background	Solving large inverse problems in seismology using hybrid computing	
Libraries Chair: Bill Gropp	14:00	Bill Gropp	UIUC	Joint Results	Introduction of the activities in Numerical Libraries	
	14:10	Laura	INRIA	Joint Early Results	Performance tuning through locality and advanced scheduling of novel algorithms in linear algebra	

	14:40	François Pelegriani	INRIA	Joint Early Results	Experiments in Charm++ with advanced partitioning features of Scotch	
	15:10	Marc Baboulin	INRIA	Joint Early Results	Fast linear system solvers for hybrid CPU/GPU architectures	
	15:40	Break				
Chair: Laura Grigori	16:10	Jocelyne Ehrel	INRIA	Joint Early Results	Deflated parallel GMRES	
	16:40	Torsten Hoeffer	UIUC	Joint Early Results	Modeling and Improving the 3D-FFT efficiency on parallel systems	
	17:10	Jean-Roman/Luc Giraud	INRIA	Potential collaboration	Preliminary investigations on linear solvers naturally resilient	
	17:40	Franck & Marc	INRIA & UIUC	Preparation of Day3		
	18:10	Franck & Marc	INRIA & UIUC	Closing		
	19:00	Banquet			Restaurant la corne d'or, 159, route de Chartreuse, 38700 CORENC Tél : 04 38 86 62 36 - Fax : 04 38 86 62 37 email : info@cornedor.fr - site : www.cornedor.fr	
Workshop Day 3	Wednesday June 29th					
Working groups	9:00					
	12:00	Lunch			5 parallel working groups	
Working groups cont.	13:30					
	16:30	Adjourn			2 parallel working groups	