Agenda

	Wednesday, June 10	
10:00 a.m.	Registration/coffee	
10:30 a.m.	Ceremonial opening	
10:30 a.m.	Michel Cosnard opening statements INRIA President and CEO	
10:50 a.m.	Thom Dunning NCSA/IACAT Director	
11:10 a.m.	Michel Israel opening statements Counselor for the Office of Science and Technology at Embassy of France	
11:30 a.m.	Marc Snir Co-director of the Joint Laboratory, University of Illinois at Urbana-Champaign	
11:50 a.m.	Franck Cappello Co-director of the Joint Laboratory and Senior Researcher, INRIA	
12:30 p.m.	Lunch	
	Workshop on programming models	
	Session chair: Franck Cappello	
2:00 p.m.	Parallel Shared Memory Programming Languages	Marc Snir, University of Illinois at Urbana-Champaign
2:30 p.m.	Programming hierarchical multicore using hybrid approaches: a runtime's perspective	Raymond Namyst, INRIA and University of Bordeaux
3:00 p.m.	Hybrid parallelism on real applications and simulations	Jean François Mehaut, Laboratoire d'Informatique de Grenoble
3:30 p.m.	Break	
4:00 p.m.	Kaapi: an adaptive runtime system for parallel computing	Thierry Gautier, INRIA
4:30 p.m.	Strong Programming Model to bridge Distributed and Multi-Core Computing	Denis Caromel, INRIA
5:00 p.m.	Programming Methodologies beyond petascale, based on adaptive runtime systems	Sanjay Kale, University of Illinois at Urbana-Champaign
5:30 p.m.	Discussions	
8:00 p.m.	Banquet	
	Thursday, June 11	
	Workshop on numerical libraries	
	Session chair: Laura Grigori	
9:00 a.m.	Optimizing Sparse Data Structures for Matrix-Vector Multiply	Bill Gropp, University of Illinois at Urbana-Champaign
9:30 a.m.	Communication optimal algorithms in linear algebra	Laura Grigori, INRIA
10:00 a.m.	Toward robust hybrid parallel sparse solvers for large scale applications	Jean Roman, ENSEIRB, LaBRI and INRIA
10:30 a.m.	Break	
11:00 a.m.	Hybrid iterative-direct domain decomposition based solvers for the time-harmonic Maxwell equations	Stéphane Lanteri, INRIA
11:30 a.m.	The MUMPS library	Jean Yves L'Excellent, INRIA
12:00 p.m.	Solvers and partitioners in the Bacchus project	François Pellegrini, INRIA
12:30 p.m.	Discussions	

1:00 p.m.	Lunch	
	Workshop on fault-tolerance	
	Session chair: Thomas Hérault	
2:30 p.m.	Challenges in Resilience for Peta-ExaScale systems and research opportunities	Franck Cappello, INRIA
3:00 p.m.	Rollback Recovery in Message Passing Systems: MPICH-V and Open MPI	Thomas Hérault, INRIA
3:30 p.m.	ProActive SPMD and Fault Tolerance: Protocols and Benchmarks	Brian Amedro, INRIA-Univ. Nice Sophia Antipolis-CNRS
4:00 p.m.	Break	
4:30 p.m.	Asynchronous iterative methods and fault tolerance	Mourad Hakem, University of Franche-Comté
5:00 p.m.	Providing consistency guarantees in large-scale distributed systems	Marc Shapiro, INRIA
5:30 p.m.	Scalable Fault Tolerance Schemes using Adaptive Runtime Support	Eric Bohm, University of Illinois at Urbana-Champaign
6:00 p.m.	Discussions	
	Friday, June 12	
	Open topics: accelerators, compilers, communication libraries, etc.	
	Session chair: Franck Cappello	
9:00 a.m.	Hybrid Parallel Programming	François Bodin, INRIA
9:30 a.m.	Automatic Design	Olivier Temam, INRIA
10:00 a.m.	New Abstractions for Data Parallel Programming	María J. Garzarán, University of Illinois at Urbana-Champaign
10:30 a.m.	Break	
11:00 a.m.	High Performance Computing with Accelerators	Volodymyr Kindratenko, NCSA
11:30 a.m.	Optimizing communication on multicore clusters	Alexandre Denis, INRIA
12:00 p.m.	Discussions	
12:30 p.m.	Closing: Marc Snir + Thom Dunning	
1:00 p.m.	Lunch	