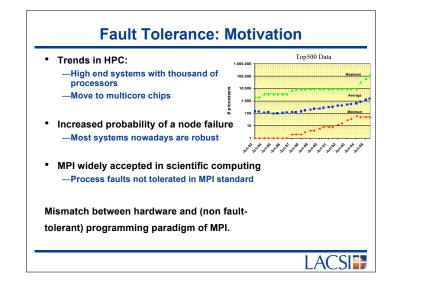
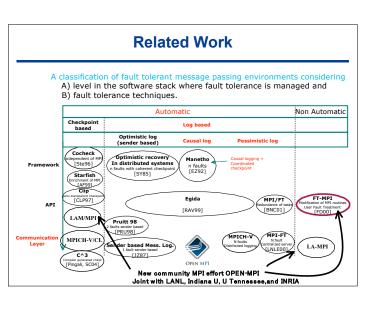
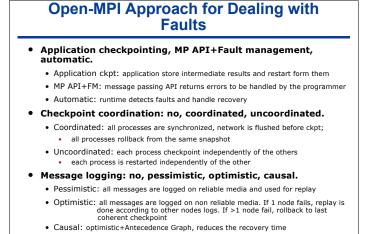


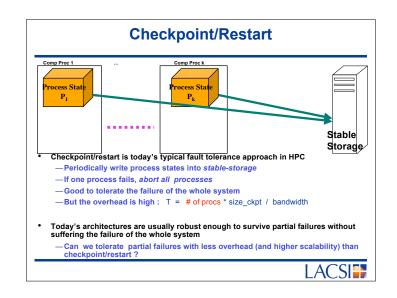
Outline

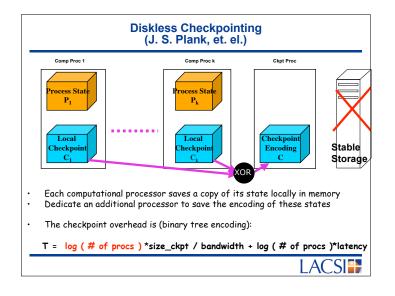


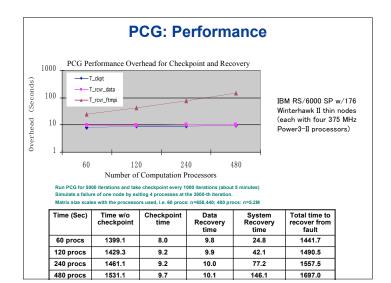


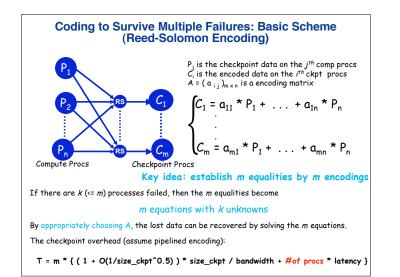




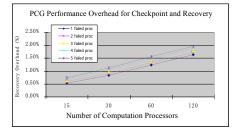






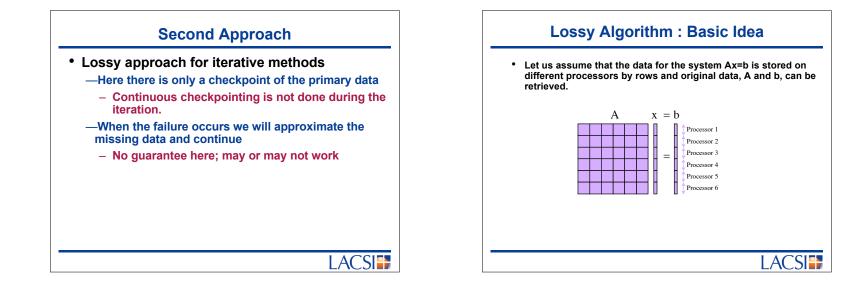


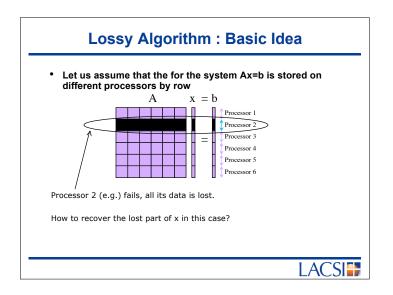
PCG: Performance Overhead of Recovery

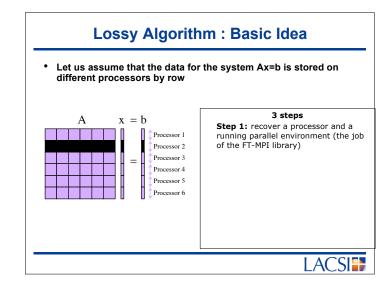


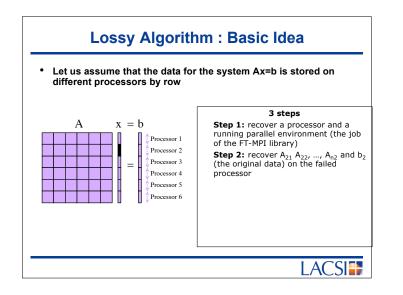
Run PCG for 20000 iterations and take checkpoint every 2000 iterations Simulate a failure by exiting some processes at the 10000-th iteration

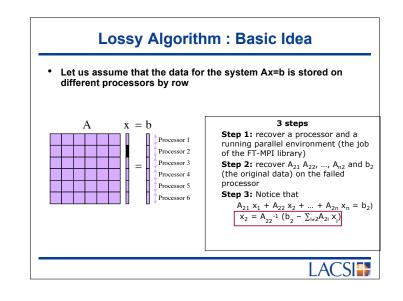
T (ckpt T)	0 failures	1 failures	2 failures	3 failures	4 failures	5 failures
15 comp	517.8	521.7 (2.8)	522.1 (3.2)	522.8 (3.3)	522.9 (3.7)	523.1 (3.9)
30 comp	532.2	537.5 (4.5)	537.7 (4.9)	538.1 (5.3)	538.5 (5.7)	538.6 (6.1)
60 comp	546.5	554.2 (6.9)	554.8 (7.4)	555.2 (7.6)	555.7 (8.2)	556.1 (8.7)
120 comp	622.9	637.1 (10.5)	637.2 (11.1)	637.7 (11.5)	638.0 (12.0)	638.5 (12.5)

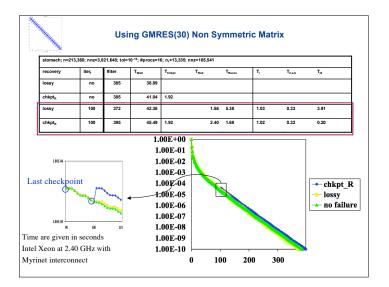


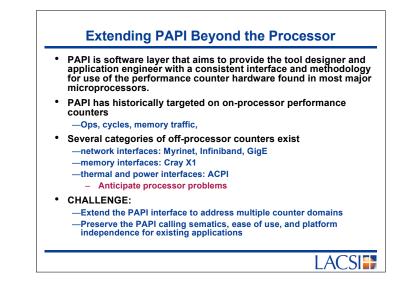


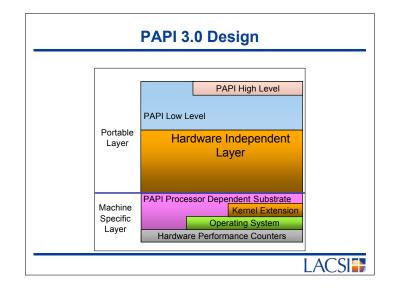


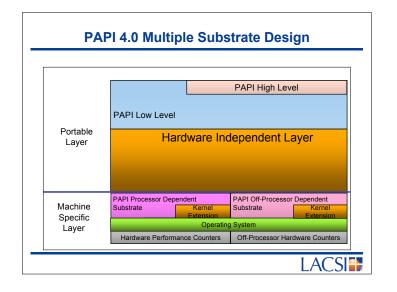


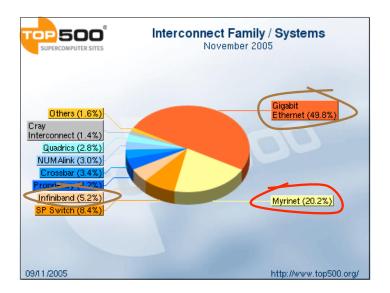


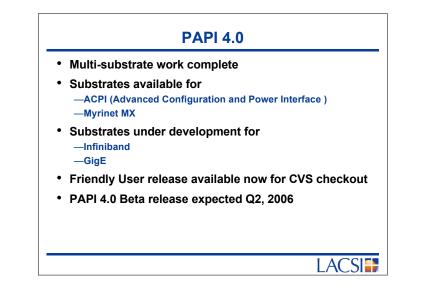


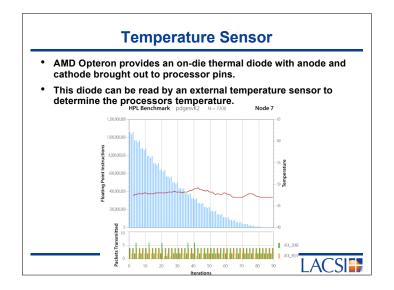


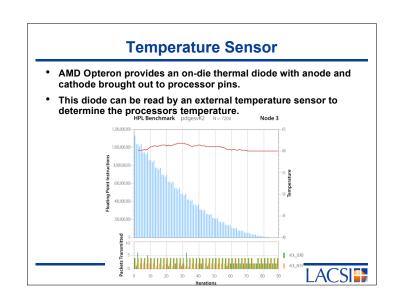


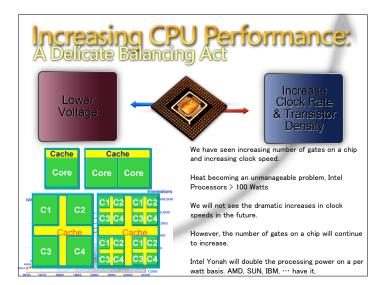


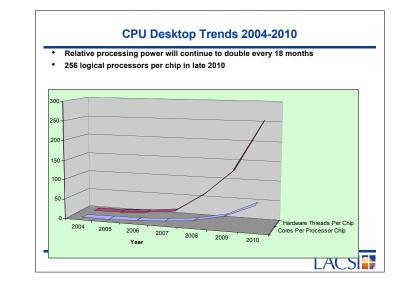


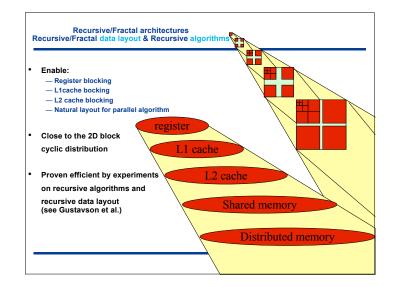


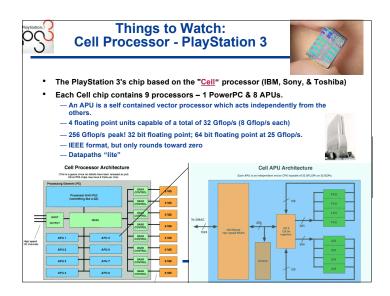


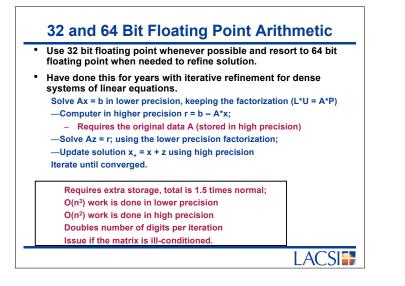












Shirley Moore, Staff, ICL	Jeffery Chen, Graduate Student
 Graham Fagg, Staff, ICL 	 Jelena Pjesivac-Grbovic, Graduate Student
George Bosilca, Post Doc, ICL	Haihang You, Graduate Student
Interactions at LANL with	h:
—Open-MPI group at LANL	
 FT-MPI and Open MPI (effort
 Eclipse effort at LANL PAPI and Eclipse effort 	
- Performance group at LAN	
 Multicore and performa 	

