

Student	Presentation Title	Date
Sara Baghsorkhi	Automated Transformation for Performance-Critical Kernels	17-Oct
Patrick Simmons	Scaling to the End of Silicon with EDGE Architectures	22-Oct
Alexandre Duchateau	Loop Optimization using Hierarchical Compilation and Kernel Decomposition	24-Oct
Michael Wolf	On the memory access patterns of supercomputer applications: benchmark selection and its i	31-Oct
Jayanta Mukherjee	Achieving high sustained performance in an unstructured mesh CFD application	31-Oct
Stephen Heumann	Extending Stability Beyond CPU Millennium	5-Nov
Elena Caraba	The Landscape of Parallel Computing Research	7-Nov
Hao Zhu	A Parallel Hashed Oct-Tree N-Body Algorithm	12-Nov
Xiaohuang Huang	Introduction to UPC and Language Specification	12-Nov
Hormuzd Galvari	Avoiding Communication in Sparse Matrix Computations	14-Nov
Lukasz Wesolowski	Topology Mapping for Blue Gene/L Supercomputer	14-Nov
Charles Tucker	A comparative study of the NAS MG benchmark across parallel languages and architectures	3-Dec
I-Jui Sung	Programmability of the HPCS Languages: A Case Study with a Quantum Chemistry Kernel	3-Dec
Brian Taylor	Superconducting Technology Assessment	5-Dec

Order	Category	Project Proposal	Project Topic
1	node/arch	Yes	GPGPU Estimates
2	node/arch		
3	node/arch	Yes	Graph
4	node/arch/alg	Yes	SpMV pgming
5	node/parallel		
6	parallel	Yes	Collision algorithms
7	parallel/alg	Yes	AX=B
8	parallel/alg	Yes	MPI Collectives
		Yes	UPC/CUDA
9	parallel/alg	Yes	
10	parallel/alg		
11	programming	Discussing	Genome?
12	programming	Yes	
13	arch/exotic		