



Advanced HPC and nVidia to present Fermi Technology to UCI

When: June 15th, 10:00am

Where: Room 3008 CalIT2

Lunch will be provided

Agenda:

10:00	Introductions by AdvancedHPC	(30 mins)
10:30	Overview of NVIDIA Tesla GPUs	(15 mins)
	· Why GPU computing	
	· Tesla Architecture	
10:45	The New Fermi GPU Architecture	(45 mins)
	· Hardware overview	
	· Memory Hierarchy	
	· GigaThread System	
	· Changes from GT200 - Fermi	
	· Tesla Products & packaging	
11:30	Overview CUDA	(30 mins)
	· What is CUDA	
	· CUDA Structure	
	· Components	
	· Compilers, Tools & Libraries	
	· CUDA EcoSystem	
12:00	Lunch & break	(30 mins)
12:30	Introduction to GPU programming with CUDA C	(60 mins)
	· The CUDA Tool chain	
	· GPU Memory Management	
	· Kernel and Execution on the GPU	
	· Coordinating CPU and GPU Execution	
	· Development Resources	
1:30	Q&A	(30 mins)

Space is limited to so please register ASAP

To Register:

Contact Name:

Department:

Phone:

Email:

Main Compute Application:

Are you currently using nVidia GPUs and CUDA?