

CLASS SCHEDULE

WEST COAST TRAINING, NVIDIA HQ, SANTA CLARA, JAN 2013

Jan 29, 2013		
Time	Presentation	Speaker
8:00 AM	Sign in and Breakfast	
9:00 AM	OLCF Overview	Fernanda Foertter
9:45 AM	Storage @OLCF	Mitch Griffith
10:15 AM	Break	Nvidia
10:30 AM	Titan Architecture	Jeff Larkin
11:15 AM	Cray Programming Environment	Heidi Poxon
12:00 PM	MPI (Review + Cray Gemini/MPT)	Heidi Poxon
12:30 PM	Lunch	Nvidia
1:30 PM	Best Practices at OLCF	Bill Renaud
2:15 PM	Break	Nvidia
2:30 PM	Hands on Lab 1: Running @OLCF	Fernanda Foertter
3:45 PM	GPU Computing Overview	Jeff Larkin
4:00 PM	Intro to Accelerator Directives	Jeff Larkin
4:45 PM	Homework Assignment	Jeff Larkin
Jan 30, 2013		
Time	Presentation	Speaker
8:00 AM	Discussion and Breakfast	
9:00 AM	Homework Review: Accelerator Tech	Jeff Larkin
9:30 AM	GPU: Intro to CUDA	Justin Luitjens
10:15 AM	Break	Nvidia
10:30 AM	Optimization Fundamentals	Paulius Micikevicius
12:30 PM	Lunch	Nvidia
1:30 PM	Hands on Lab 2: CUDA in the raw	Justin Luitjens
2:15 PM	Break	Nvidia
2:30 PM	Hands on Lab 2: CUDA in the raw	Justin Luitjens
3:15 PM	Debugging MPI	Nick Forrington
4:00 PM	Hands on Lab 3: Debugging on Titan	Nick Forrington
4:45 PM	Final Remarks	Fernanda Foertter
Jan 31, 2013		
Time	Presentation	Speaker
8:00 AM	Discussion and Breakfast	
9:00 AM	Scientific Libs (GPU)	Levi Barnes
9:45 AM	Scientific Libs (Cray Software stack)	Heidi Poxon
10:15 AM	Break	Nvidia
10:30 AM	Parallelization Techniques	Michael Brown / Wayne Joubert
11:30 AM	Performance Tools	Heidi Poxon
12:15 PM	Hands on Lab 4: Profiling and Sci Libs	Fernanda Foertter
12:30 PM	Lunch	Nvidia
1:30 PM	Case Studies (Porting Apps to Titan 1)	Michael Brown
2:15 PM	Break	Nvidia
2:30 PM	Case Studies (Porting Apps to Titan 2)	Wayne Joubert
3:15 PM	Homework Review/Buffer	Fernanda Foertter
4:15 PM	Open	
4:30 PM	(Survey Feedback)	