

# Workshop on Hot Topics in Parallel Computing

May 10<sup>th</sup>, 2013 – Ewing Room, Perkins Student Center – University of Delaware – Newark, DE

Time	Event
9:00–9:15	<i>Opening Remarks</i> John Cavazos – University of Delaware
Section 1	
9:15–9:45	<i>A Case for a Value-Aware Cache</i> Per Stenström – Chalmers University Of Technology
9:45–10:15	Break
Section 2	
10:15–10:45	<i>Rethinking the Architecture of Warehouse-Scale Computers: Improving Efficiency and Utilization</i> Jason Mars – University Of California, San Diego
10:45–11:15	<i>Fast Modeling Technology in the Multicore Era</i> Erik Hagersten – Uppsala University
11:15–12:00	<i>A Pathway to Usability in the Face of Extreme Concurrency (ACM Distinguished Lecture)</i> Bronis de Supinski – Lawrence Livermore National Laboratory
12:00–1:30	Lunch
Section 3	
1:30–2:00	<i>Performance Analysis in GPUs</i> Amirali Baniyasadi – University Of Victoria
2:00–2:30	<i>A Platform to Help Migrating OpenMP code to Heterogeneous Systems</i> François Bodin – Caps Entreprise
2:30–3:00	<i>Phalanx: Designing a Unified Programming Model for Heterogeneous Machines</i> Bryan Catanzaro – NVIDIA
3:00–3:30	Break
Section 4	
3:00–3:30	<i>Probabilistic pointer analysis in SSA form and the applications</i> Jenq Kuen Lee – National Tsing-Hua University
3:30–4:00	<i>Improving Processor Efficiency by Statically Pipelining Instructions</i> David Whalley – Florida State University
4:00–5:00	<i>Using the General-Purpose Part of a Special-Purpose Machine: The Fast Fourier Transform on Anton</i> Clifford Young – D.E. Shaw
5:00–5:15	<i>Closing Remarks</i> John Cavazos – University of Delaware