

## 2008 DOE Summer School in Multiscale Mathematics and High Performance Computing

*Hosted by Pacific Northwest National Laboratory, Richland, WA*

*August 4 - 6, 2008*

*Located at WSU - Tri-Cities, CIC Bldg, Room 210, 2770 University Dr., Richland, WA 99354*

	Monday, August 4	Tuesday, August 5	Wednesday, August 6	
8:30 - 9:30am	Begin at 11:30am Introduction to Summer School ( <i>Whitney/Ferris</i> )	Overview of the Global Arrays Parallel Software Development Toolkit ( <i>Palmer</i> )	Homogenization of Multiscale Problems ( <i>Showalter</i> )	8:30 - 9:30am
9:30 - 10:30am		Specialising Generators for High Performance Monte-Carlo Simulations ... in Haskell ( <i>Stewart</i> )	Computational Multiscale Methods for Coupled Phenomena in Subsurface ( <i>Peszynska</i> )	9:30 - 10:30am
10:30 - 10:45am		Break	Closing Remarks ( <i>Whitney/Ferris</i> )	10:30 - 10:45am
10:45 - 11:45am		Adjour at 10:45am	Knowledge Discovery with Star-P ( <i>Shah</i> )	
11:45am - 1:30pm	Lunch		Lunch	11:45am - 1:30pm
1:30 - 2:30pm	Horizons in Extreme Computing ( <i>Nieplocha</i> )		Hybrid Particle Simulations: An Approach to the Spatial Multiscale Problem ( <i>Lin</i> )	1:30 - 2:30pm
2:30 - 3:30pm	Evolution of Computational Approaches: NWChem ( <i>Bylaska</i> )		Coarse-grained Projective Schemes for Particle Filters ( <i>Givon</i> )	2:30 - 3:30pm
3:30 - 3:45pm	Break		Break	3:30 - 3:45pm
3:45 - 4:45pm	Multithreaded Systems for Emerging High-Performance Applications ( <i>Chavarria</i> )		Graph-based Pattern Learning ( <i>Holder</i> )	3:45 - 4:45pm