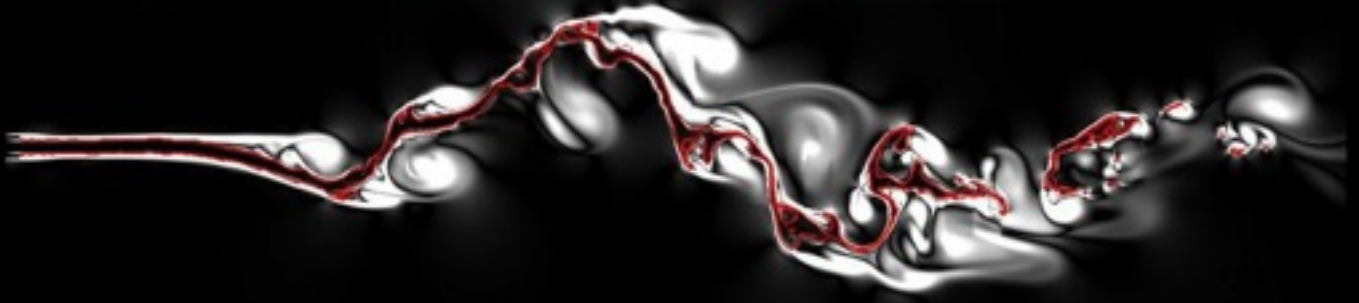


HPC Day 2016

Center for Scientific Computing & Visualization Research



Virtually every important break through in modern science depends on computing resources, which have become the “third leg” of scientific discovery along with theory and experimentation.

Research computing infrastructure is now critical to the ability of research groups to attract funding and retain the best scientific and engineering talent.

Please join us on **May 17, 2016 9am– 6pm** at **Woodland Commons, UMass Dartmouth** as we showcase compute intensive research through talks from several members of the MGHPCC and a special poster session with awards for students. This is an exciting opportunity to network and collaborate.

Featuring a keynote talk by **Jeremy Kepner** (MIT LLSC) on *Interactive Supercomputing for High Performance Data Analysis*.

Free registration (by May 12th) and more information at CSCVR.umassd.edu

Zlatan Aksamija (UMass Amherst) on *Numerical Simulation of Thermal Transport in Semiconductor Nanostructures*
Valeri Barsegov (UMass Lowell) on *Influence of Solvent-Induced Hydrodynamic Interactions on Dynamic Structural Transitions in Protein Assemblies*
Vanni Bucci (UMass Dartmouth) on *Engineering microbial systems for the prevention of enteric infections*
Geoff Cowles (UMass Dartmouth) on *Optimizing Tidal Kinetic Energy Generation Across Multiple Scales*
Qianqian Fang (NEU) on *BioMedical Optics*
Chris Hill (MIT) on *Machine Learning and Discovery Science*
Hanchen Huang (NEU) on *Nanorod Atomistic Simulation*
Kurt Keville (MIT) on *RISC-V and the Path to Exascale*
Li-Jun Ma (UMass Amherst) on *Genome dynamics and fungal pathogenicity*
Jiannan Tu and Paul Song (UMass Lowell) on *Multifluid Collisional MHD model and its Application to Dynamic Magnetosphere-Ionosphere Coupling*.

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