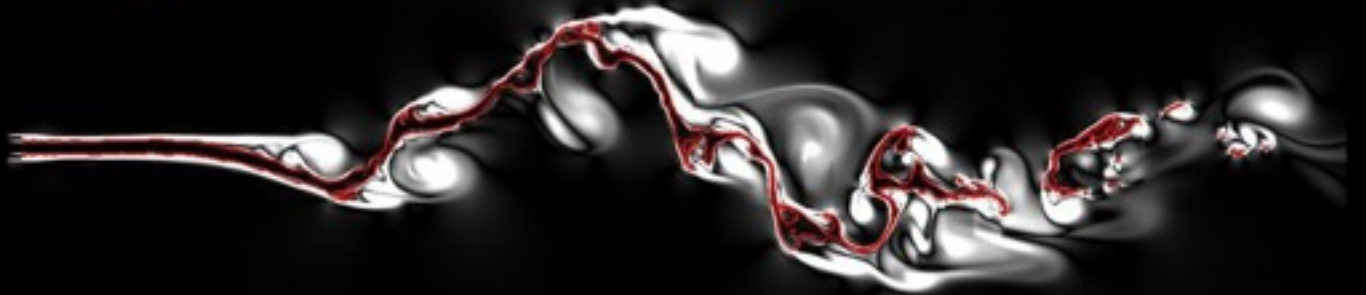


HPC Day 2016

Center for Scientific Computing & Visualization Research



- 9:15am** *Opening Remarks*
- 9:30am** **Vanni Bucci** (UMass Dartmouth) on *Engineering microbial systems for the prevention of enteric infections*
- 9:55am** **Hanchen Huang** (NEU) on *Nanorod Atomistic Simulation*
- 10:20am** **Chris Hill** (MIT) on *Machine Learning and Discovery Science*
- 10:45am** *Coffee Break and Poster Session*
- 11:15am** **Li-Jun Ma** (UMass Amherst) on *Genome dynamics and fungal pathogenicity*
- 11:40am** **Jiannan Tu and Paul Song** (UMass Lowell) on *Multifluid Collisional MHD model and its Application to Dynamic Magnetosphere-Ionosphere Coupling.*
- 12:05pm** **Qianqian Fang** (NEU) on *BioMedical Optics*
- 12:30pm** *Lunch sponsored by Microway*
- 2:00pm** **Kurt Keville** (MIT) on *RISC-V and the Path to Exascale*
- 2:25pm** **Valeri Barsegov** (UMass Lowell) on *Influence of Solvent-Induced Hydrodynamic Interactions on Dynamic Structural Transitions in Protein Assemblies*
- 2:50pm** **Zlatan Aksamija** (UMass Amherst) on *Numerical Simulation of Thermal Transport in Semiconductor Nanostructures*
- 3:15pm** **Geoff Cowles** (UMass Dartmouth) on *Optimizing Tidal Kinetic Energy Generation Across Multiple Scales*
- 3:40pm** *Coffee Break and Poster Session*
- 4:00pm** *Education Roundtable*
- 5:00pm** **Keynote Lecture: Jeremy Kepner** (MIT LLSC) on *Interactive Supercomputing for High Performance Data Analysis.*
- 5:45pm** *Student poster awards sponsored by SIAM, MathWorks, and NVIDIA*
- 6:00pm** *Closing Remarks*

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