

Berkeley-Stanford Computational Fest

Sibley Auditorium, Bechtel Engineering Center
UC Berkeley Campus, Saturday, May, 7, 2005

Note: A link can be found at <http://www.me.berkeley.edu/compfest/>

Note: A map can be found at <http://www.berkeley.edu/map/>

Note: Please register by sending an email to Ms. Catherine Ocampo (caocampo@me.berkeley.edu)

- 8:00-8:50 Breakfast (buffet)
- 8:50-9:00 Welcome
- 9:00-9:35 Eric Darve, Microstructure in the sedimentation of anisotropic and deformable particle
- 9:35-10:10 Panos Papadopoulos, Certain Theoretical and Computational Aspects of Anisotropic Friction between Solids
- 10:10-10:45 Amin Saberi, Algorithmic Game Theory and Internet Computing
- 10:45-11:00 BREAK
- 11:00-11:35 Tad Patzek, The Support-Operators Method (SOM)
- 11:35-12:10 Wei Cai, Self-consistent Regularization of Dislocation Singularities
- 12:10-1:00 Buffet Lunch
- 1:00-1:35 Philip Marcus, Numerical Simulations of 3D Vortices in Highly-Stratified, Rotating, Shearing Protoplanetary Disks
- 1:35-2:10 Adrian Lew, On Discontinuous Galerkin methods for elasticity
- 2:10-2:45 Shao Fan Li, Recent Developments on Meshfree Simulations of Ductile Failures
- 2:45-3:00 BREAK
- 3:00-3:35 Sanjiva Lele, Computational aeroacoustics of high-speed jets
- 3:35-4:10 Sanjay Govindjee, Modeling and simulation of high-frequency electromechanical signal-processing elements
- 4:10-4:25 BREAK
- 4:25-5:00 Charbel Farhat, A Time-Domain-Decomposed Implicit Methodology for the Time-Parallel Solution of Second-Order Hyperbolic Problems
- 5:00-5:35 Tarek Zohdi, Modeling and simulation of nonstandard multifield granular flows
- Pizza!