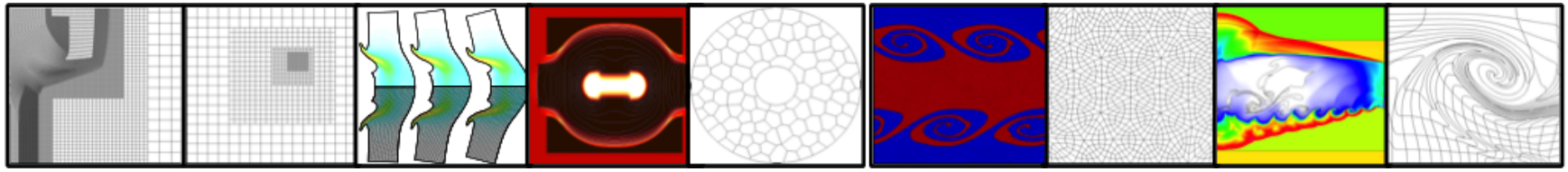
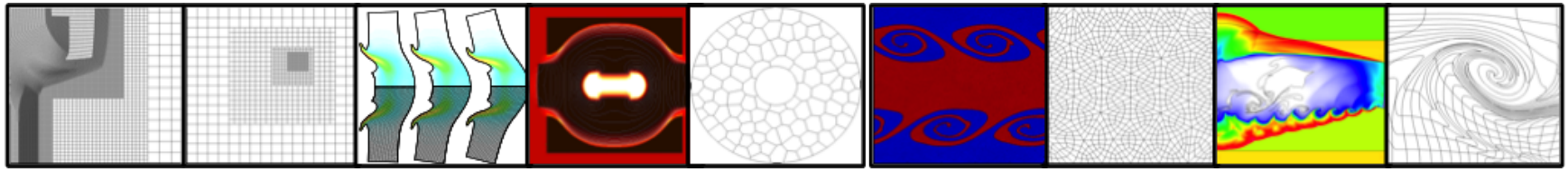


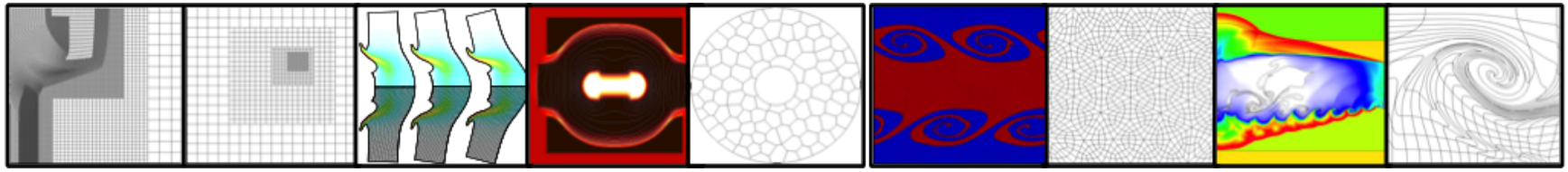
Monday 2013/09/02

Time	Speaker	Title
8:30 – 9:00		Opening/Intro
9:00 – 9:30	Barlow	A high order cell centred Lagrangian Godunov scheme for elastoplastic flow
9:30 – 10:00	Rider	Revisiting Numerical Advection and Remap Algorithms
10:00 – 10:30		**Coffee Break**
10:30 – 11:00	Menshov	Some Aspects of Numerical Modeling in Heterogeneous Mechanics
11:00 – 11:30	Burton	An intersection based ALE scheme (xALE) for cell centered hydrodynamics
11:30 – 12:00	Kenamond	Exact intersection remapping of multi-material domain decomposed polygonal meshes
12:00 – 12:30	Breil	A swept-intersection-based remapping method for axisymmetric ReALE computation
12:30 – 14:00		**Lunch**
14:00 – 14:30	Waltz	Operator splitting and time accuracy in Lagrange plus remap methods
14:30 – 15:00	Carnes	A Stable and Accurate Method for Tetrahedral Elastic-Plastic Computations
15:00 – 15:30	Morgan	A Godunov-like point-centered Lagrangian hydrodynamic approach
15:30 – 16:00		**Coffee Break**
16:00 – 16:30	Mattson	Artificial Viscosity: Back to Basics
16:30 – 17:00	Mosso	Extending van Leers Algorithm to Multiple Dimensions
17:00 – 17:30	Vachal	A Symmetry Preserving Dissipative Artificial Viscosity in r-z Geometry
19:00 – 21:00		**Reception**



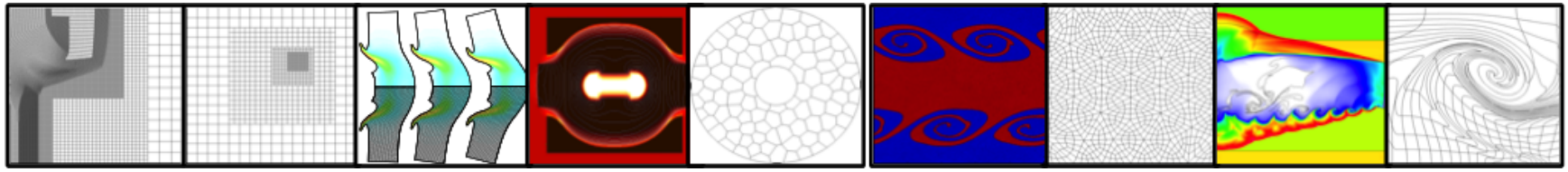
Tuesday 2013/09/03

Time	Speaker	Title
8:30 – 9:00	Vilar	High-order Discontinuous Galerkin method for two-dimensional gas dynamics equations written using a total Lagrangian formalism on general unstructured Bezier grids
9:00 – 9:30	Kolev	High-Order Discontinuous Galerkin Remap Methods for Curvilinear ALE Hydrodynamics
9:30 – 10:00	Boscheri	High Order Arbitrary-Lagrangian-Eulerian One-Step WENO Finite Volume Schemes on Unstructured Meshes
10:00 – 10:30		**Coffee Break**
10:30 – 11:00	Lew	Universal meshes: high-order simulation of problems with evolving geometries
11:00 – 11:30	Schilling	New Developments in Multicomponent Reynolds Averaged Navier Stokes Modeling of Reshocked Richtmyer Meshkov Instability and Turbulent Mixing
11:30 – 12:00	Mathiaud	Some improvements in the understanding of the k-omega model for supersonic re-entry
12:00 – 12:30	Morel	Radiative Shock Solutions with Grey-S_N-Transport
12:30 – 14:00		**Lunch**
14:00 – 14:30	Clair	Contact algorithms for cell-centered lagrangian schemes
14:30 – 15:00	Del Pino	A conservative slide line method for cell-centered semi-lagrangian and ALE schemes in 2D
15:00 – 15:30	Vitali	Contact with friction for the eXtended Eulerian Method
15:30 – 16:00		**Coffee Break**
16:00 – 16:30	Loubère	High-order remapping using MOOD paradigms
16:30 – 17:00	Diot	Extension of the MOOD method to multi-material compressible flows
17:00 – 17:30	Hoch	Local convex-Hull preserving second-order extension for cell-centered ALE schemes



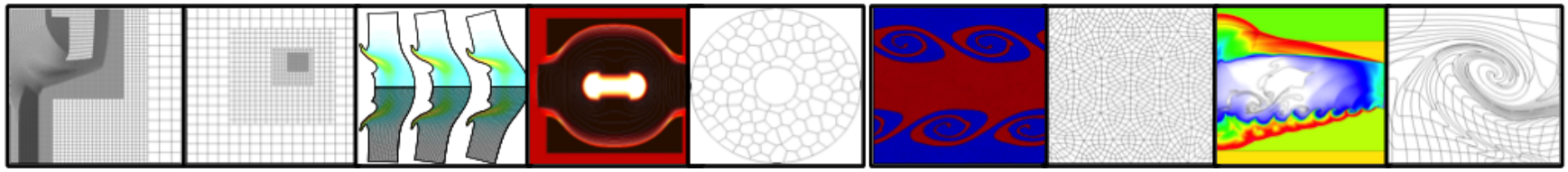
Wednesday 2013/09/04

Time	Speaker	Title
9:00 – 9:30	Lung	Toward a Vorticity Preserving Lagrangian Scheme
9:30 – 10:00	Chiravalle	An hourglass control method for three dimensional lagrangian hydrodynamics
10:00 – 10:30		**Coffee Break**
10:30 – 11:00	Shashkov	Interface aware sub-scale dynamics closure model for multimaterial ALE methods
11:00 – 11:30	Francois	Pressure Relaxation for Single Velocity Multimaterial Flow Model
11:30 – 12:00	Kramer	Automatic Ordering for Volume-of-Fluid Interface Reconstruction in Multi-material Elements
12:00 – 12:30	Anderson	Multi-material Zone Treatments in an ALE-AMR Hydrocode
12:30 – 14:00		**Lunch**
14:00 – 14:30	Barton	Low numerical dissipation Eulerian cut-cell method for coupled compressible solid/turbulent-fluid problems
14:30 – 15:00	Wohlbier	Programming for Modern Architectures in the CHICOMA Hydrocode
15:00 – 15:30	Fung	Considerations for computational performance of algorithms for hydrocodes on advanced architectures
15:30 – 17:30		**Posters**



Thursday 2013/09/05

Time	Speaker	Title
9:00 – 9:30	Claisse	A compatible energy-preserving entropic modification of Lagrangian time- and space-staggered hydrodynamic schemes
9:30 – 10:00	Robinson	Representation and Propagation of Uncertainty for Tabular Multiphase Equation-of-State Models
10:00 – 10:30		**Coffee Break**
10:30 – 11:00	Maire	A Simple Elasticity Model at Large Deformations and its Compatible Discretization for both Reference and Deformed Configurations
11:00 – 11:30	Schofield	Remap of material damage and failure in unstructured ALE calculations
11:30 – 12:00	Ghidaglia	Simulation of Blast Wave Attenuation by Aqueous Foams
12:00 – 12:30	Canfield	Simulation of multi-material flows using a finite element Riemann solver and adaptive unstructured grids
12:30 – 14:00		**Lunch**
14:00 – 14:30	Fochesato	Surviving to filaments and fragments in a VOF hydrodynamics simulation code
14:30 – 15:00	Bo	Reconnection-based Arbitrary-Lagrangian-Eulerian (ReALE) Method with Adaptive Mesh Refinement and Coarsening
15:00 – 15:30	Starinshak	Parallel ReALE Calculations of Large-Scale, Multimaterial Problems
15:30 – 16:00		**Coffee Break**
16:00 – 16:30	Voth	An eXtended Finite Element/Arbitrary Lagrangian Eulerian (XFEM/ALE) approach for multi-material mechanics
16:30 – 17:00	Rebourcet	Stability of collocated finite volume schemes for Lagrangian hydrodynamics
17:00 – 17:30	Johansen	An Adaptive Embedded Boundary Discretization for Multimaterial Simulation
19:00 – 21:00		**Banquet**



Friday 2013/09/06

Time	Speaker	Title
9:00 – 9:30	Dawes	Multi-material polygon based finite volume method for diffusion
9:30 – 10:00	Dai	High order diffusion solvers for three-dimensional material mixing
10:00 – 10:30		**Coffee Break**
10:30 – 11:00	McClarren	Self-similar radiation-hydrodynamics solutions in the high energy density regime
11:00 – 11:30	Harrison	New capabilities for modeling creation and breakup of ejecta in the FLAG code
11:30 – 12:00	Owen	Smoothed Voronoi Particle Hydrodynamics: a new meshless method
12:00 – 12:30		Closing
12:30		**Close**