6.2.2013, 06.02.2013, 13:00 - 18:15

13:00 - 14:00	Registration
14:00 - 14:15	Opening
14:15	Günther Grün
	On convergent schemes for diffuse interface models for two-phase flow of incompressible
	fluids with general mass densities
15:00	Jan Giesselmann (Program modification !)
	Modeling of compressible electrolytes with phase transition
15:30	Frédéric Charve
	Convergence of capillary fluid models: from non-local to local models
16:00 - 16:30	Coffee Break
16:30	Elisabetta Rocca
	Nonlocal Cahn-Hilliard-Navier-Stokes systems with nonconstant mobility
17:15	Gabriele Witterstein
	Incompressible Limit of Compressible Phase Change Flows
17:45	Mirko Kränkel
	Numerics for a compressible Allen-Cahn-Navier-Stokes-System

7.2.2013, 07.02.2013, 09:00 - 22:00

Spatio-temporal chaos in chemotaxis models 10:15	09:00	Thomas Hillen
Modelling phase transition for compressible multi-phase flows Edwige Godlewski A possible hierarchy between a two-pressure bifluid model and a drift model: example of coupling of two models with different sizes 10:45 - 11:15 Coffee Break 11:15 Boris Andreianov Solutions of Buckley-Leverett equation in heterogeneous medium and their approximation Hélène Mathis Error estimate based on relative entropy for finite volume approximations of smooth solutions to hyperbolic systems Mathieu Girardin Asymptotic preserving numerical scheme for the gas dynamics equations in the low Mach limit 13:00 - 14:00 Lunch Break Frederic Coquel Vanishing phase in Baer-Nunziato models and Entropy dissipation Christoph Zeiler Curvature Driven Liquid-Vapour Flow with Phase Transition: Exact and Approximative Riemann Solvers Jochen Neusser An order parameter model for phase transitions 15:45 - 16:00 Coffee Break 16:00 Barbara Wagner Exploring the limits: Evolution equations for interfaces at the nano scales Vincent Le Chenadec A Volume-of-Fluid based framework for the Direct Numerical Simulation of turbulent primary atomization 17:15 Bugra Kabil The influence of surface tension and configurational forces on the stability of liquid-vapor interfaces		Spatio-temporal chaos in chemotaxis models
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19:00 - 22:00 Dinner	14:45 15:15 15:45 - 16:00 16:00	Vanishing phase in Baer-Nunziato models and Entropy dissipation Christoph Zeiler Curvature Driven Liquid-Vapour Flow with Phase Transition: Exact and Approximative Riemann Solvers Jochen Neusser An order parameter model for phase transitions Coffee Break Barbara Wagner Exploring the limits: Evolution equations for interfaces at the nano scales Vincent Le Chenadec A Volume-of-Fluid based framework for the Direct Numerical Simulation of turbulent primary atomization
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8.2.2013, 08.02.2013, 09:00 - 12:45

09:00	Athanasios Tzavaras
	The onset of cavitation for the equations of polyconvex elasticity
09:45	Christian Dickopp
	Coupling of Elastic Solids with Compressible Two-Phase Fluids for the Numerical Investigation of Cavitation Damaging
10:15	Jonathan Jung
	Computing liquid-gas compressible flows on GPU
10:45 - 11:00	Coffee Break
11:00	Boris Haspot
	Existence of global strong solution and vanishing capillarity-viscosity limit in one dimension
	for the Korteweg system
11:30	Marica Pelanti
	A mixture-energy-consistent approximation of a two-phase flow model with liquid-vapor
	transition for the simulation of cavitating fluids
12:00	Adam Larat
	A high order realizability preserving Discontinuous Galerkin method for Eulerian simulation
	of spray transport on unstructured meshes
12:30 - 12:45	Closing