

Wednesday, 6 July 2016

	Library 110 Conference Hall (I)	Library 111 Conference Hall (II)
9:00-9:30	invited Presentation (Chair: Takaji Inamuro) Qinjun Kang (P.24) <i>Multi-scale lattice Boltzmann modeling of gas flow in shale formations</i>	
9:30-10:00	invited Presentation (Chair: Takaji Inamuro) Paull Dellar (P.30) <i>Lattice Boltzmann formulation for reaction cross-diffusion systems with cross-colliding fluxes and nonlinear reactions</i>	
10:00-10:20	Tea Break	
10:20-10:40	LBM-IBM (Chair: Takaji Inamuro) Joseph O'Connor(P.80) <i>Flow control capability of hairy surfaces using the lattice Boltzmann-immersed boundary method</i>	Gas Kinetic (Chair : Santosh Ansumali) Haijun Zhang (P.100) <i>Extended velocity slip boundary condition for non-equilibrium gas flows from the method of moments</i>
10:40-11:00	Benjamin Owen(P.76) <i>An assessment of structure models for joint structure interaction using lattice Boltzmann method and the immersed boundary method</i>	Xin Liu (P.103) <i>Investigation on fluid flows around a circular cylinder with a splitter plate by discrete unified gas kinetic scheme</i>
11:00-11:20	Zhe Li (P.63) <i>A synchronous coupling of finite element and lattice Boltzmann methods via an immersed boundary scheme for fluid-structure interaction problems</i>	Shenmao Hou (P.105) <i>Numerical Study on Two-Dimensional Micro-channel Flows Using Gas-kinetic Unified Algorithm</i>
11:20-11:40	Benjamin Owen/Joseph O'Connor (P.58) <i>A fluid-structure interaction simulation framework with immersed boundary-lattice Boltzmann and finite element method</i>	Junlin Wu (P.93) <i>Rarefied Unsteady Planar Jet Expansion into a Vacuum</i>
11:40-12:00	Knut Küllmer(P.79) <i>Numerical Simulation of Electrohydrodynamics in microfluidic Devices using the Lattice Boltzmann Method</i>	Kainan Hu (P.84) <i>A decoupled scheme based on the Hermite expansion to construct lattice Boltzmann models for the compressible Navier-Stokes</i>
12:00-14:00	Lunch: Buffet in Guest House	
14:00-14:30	invited Presentation (Chair: Lianping Wang) Timm Kruger (P.28) <i>Blood flow simulations with the immersed-boundary-lattice- Boltzmann method: from the basics to applications</i>	
14:30-15:00	invited Presentation (Chair: Lianping Wang) Klaus Regenauer-Lieb	
15:00-15:20	LBM-Method 2 (chair : Lianping Wang) Jose Daniel Munoz (P.74) <i>A lattice-Boltzmann method for the interaction between mechanical waves and solid mobile bodies</i>	Particles (Chair : Itai Einav) XiaoDong Niu (P.39) <i>Investigation of self-assembly of nonmagnetic particles in magnetized magnetic fluid</i>
15:20-15:40	Haihu Liu (P.106) <i>A hybrid lattice Boltzmann and finite difference model for droplet dynamics with insoluble surfactants</i>	Robin Trunk(P.36) <i>Approaches to the Simulation of Particle-Laden Flows with OpenLB</i>
15:40-16:00		Lianping Wang (P.91) <i>Simulation of high-rayleigh-number convection flows using mesoscopic methods</i>
16:00-17:00	Tea Break and Poster	
18:00-21:00	Banquet	