



Lattice Boltzmann 2016

9-10 June 2016

Room U.M. GRASSANO

Thursday 9th June 2016

9.30-10.30: Coffee

10.30-11.20: **Timm Krueger**: “The Immersed-boundary-lattice-Boltzmann method: introduction and applications”

11.20-12.10: **Marcello Sega**: “CFD with the ESPResSo simulation package”

12.10-13.00: **Miller Mendoza**: “An Overview on Relativistic Lattice Boltzmann Models”

13.00-14.30: Lunch

14.30-15.20: **Giacomo Falcucci**: “Lattice Boltzmann Modeling of Hull Slamming and Water Entry Problems”

15.20-16.10: **Alessio Festuccia**: “A coupled Lattice Boltzmann and Finite Volume Method for porous media simulations”

16.10-16.50: Coffee

16.50-17.40: **Victor Ambrus**: “Lattice Boltzmann models based on Gauss quadratures”

17.40-18.30: **Gianluca di Staso**: “DSMC and hybrid DSMC-LBM for non equilibrium flows”



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Friday 10th June 2016

9.30-10.30: Coffee

10.30-11.20: Andrea Montessori: “Lattice Boltzmann simulation of water flows through ultrathin Graphene-Oxides membranes “

11.20-12.10: Halim Kusumaatmaja: “Applications of free energy LBM: Contact Line slip and ternary phase separation ”

12.10-13.00: Ciro Semprebon: “Lattice Boltzmann Simulations of Liquid Infused Substrates ”

13.00-14.30: Lunch

14.30-15.20: Andrea Scagliarini: “Lattice Boltzmann approach to the rheology of complex fluids: from soft-glassy materials to suspensions”

15.20-16.10: Giovanni di Ilio: “Sudden expansion flow for non-Newtonian fluids with Lattice Boltzmann Method”

16.10-16.50: Coffee