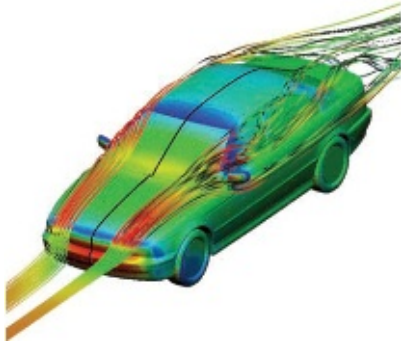


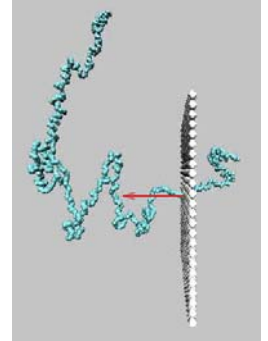


*For all students and Staff*

Physics Meetings Room F11  
15 November 2006  
10:00-16:30



**Lattice Boltzmann  
at all-scales: from  
turbulence to DNA  
translocation  
Workshop Program**



**9:30-10:00 Coffee and free discussion**

**10:00-10:40 Lattice Boltzmann techniques applied to modelling flow in liquid crystals, blood and dense colloids**

Chris Care

*Materials and Engineering Research Institute, Sheffield Hallam University*

**10:50-11:30 Swimming at Low Reynolds Numbers**

Chris Pooley,

*Rudolf Peierls Centre for Theoretical Physics, Oxford University*

**11:40-12:20 LBM stability and stabilisation**

R. Brownlee, A.N. Gorban, J. Levesley

*University of Leicester*

**12:30-14:00 LUNCH**

**14:00-14:40 Hydrodynamic interactions and Brownian forces in colloidal suspensions: Coarse-graining over time and length-scales**

Ard A. Louis

*Rudolph Peierls Centre for Theoretical Physics, Oxford University*

**14:50-15:30 Lattice and discrete Boltzmann methods for supersonic flows**

Paul Dellar

*Imperial College London, London*

**15:40-16:00 Modelling Drops Moving on Superhydrophobic Surfaces**

Halim Kusumaatmaja

*University of Oxford*

**16:05 Coffee**

**At 17:00, Lecture Theatre 1, Ken Edwards Building**

***Distinguished lecture: Lattice Boltzmann at all-scales: from turbulence to DNA translocation***

Sauro Succi

*IAC-CNR, Rome, Italy, and Harvard University, Cambridge, USA*

E-mail: [mmc@mcs.le.ac.uk](mailto:mmc@mcs.le.ac.uk) for all questions