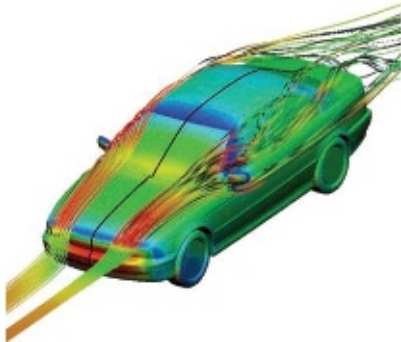


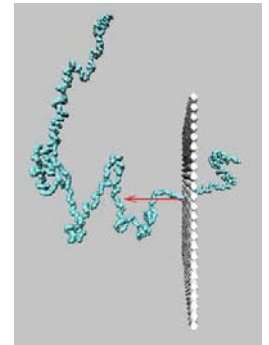


For all students and Staff

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



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



Invited talks

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

Lattice Boltzmann techniques applied to modelling flow in liquid crystals, blood and dense colloids

Chris Care

Materials and Engineering Research Institute Sheffield Hallam University

Swimming at Low Reynolds Numbers

Chris Pooley,

Rudolf Peierls Centre for Theoretical Physics, Oxford University

LBM stability and stabilisation

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

University of Leicester

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

Distinguished lecture:

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

Sauro Succi

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

E-mail: mmc@mcs.le.ac.uk for all questions