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## Conference on Computational Physics (CCP2007) – COST-ESF Involvement

COST and ESF (European Science Foundation) sponsor the Conference on Computational Physics (CCP2007). The annual event is organised in Europe every three years and this year's edition – organised in Brussels from 5 to 8 September 2007 – focuses on computational developments in physics ranging from electronic structure computations to simulations in astrophysics.

Of the more than thirty Actions active in COST's Materials, Physics and NanoSciences (MPNS), three are particularly involved in the event and will showcase their work to the more than 400 participants expected to participate.

COST Action P10 "Physics of Risk" relates to understanding the phenomenology of risk through the study of dynamic features and interactions that influence the onset of extreme events within society. This COST Action will feature recent work carried out by physicists concerned with the nature of societal income distributions based on elementary agent models at the conference. This work sheds light on the underlying competitive processes that cause such distributions to remain more or less constant over time and across different societies and poses challenges to those who advocate extreme egalitarian redistributions.

COST Action P13 "Forging the missing link: From Molecular Simulations to Nanoscale Experiments" contributes with two central conference sessions covering topics such as applications of computational methods, soft matter systems and solids and clusters. These topics are the core of the Action since its main objective is to initiate a concerted European effort to develop novel computational tools to model matter at the nanoscale: the regime where advanced computation and modern experimental techniques meet.

Finally, COST Action P19 Multiscale Modeling of Materials will organise a session in which the recent advances related to the theoretical and practical aspects of the Lattice Boltzmann Method (LBM) are addressed through a presentation of the recent developments in research performed by the Institute of Energy Technology - ETH Zurich; CUI – Scientific & Parallel Computing group - University of Geneva and the University of Lyon - INSA Lyon – CREATIS.

For more information on CCP2007, please visit [ccp2007.ulb.ac.be/index.php](http://ccp2007.ulb.ac.be/index.php).



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