Weekly newsLetter in Statistical Physics: conferences, academic jobs and post-doc positions

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ACADEMIC JOBS

Tenure-track associate professor position in Mathematical Physics at the Department of Mathematics of Università di Milano, Italy

See https://www.unimi.it/it/ateneo/lavora-con-noi/reclutamento-ricercatori/selezioni-ricercatori/ricercatore-tipo-b-sc-01/a4-ssd-mat/07-codice-4547
the deadline for applications is on March 17. We will welcome applications in any sector of Mathematical Physics.

From: Giuseppe Gaeta <Giuseppe.Gaeta@unimi.it>

CONFERENCES

Advanced School in Soft Condensed Matter "Solutions in the Summer", 5-9 July 2021, virtual event

The aim of this School is to provide a comprehensive foundation for researchers in the field of soft matter, liquids and complex fluids. The School is directed towards postgraduate students from a wide range of backgrounds including physics, chemistry, chemical engineering and biophysics. Register before 30 June 2021 at the website
http://ascm2021.iopconfs.org

From: Sergey Lishchuk <sergey.lishchuk@gmail.com>

POST-DOC POSITIONS

Post-doctoral position in theoretical soft-matter at the "Interdisciplinary Laboratory on Nanoscale and Supramolecular Organization", CEA-Saclay, France

The theoretical understanding of solvation properties of molecules/macromolecules/ interfaces in the domains of biology, colloidal physics, electrochemistry and material sciences requires an explicit molecular solvent level of description with atom-atom classical force-fields. Beside the standard and time-consuming numerical simulation, we have developed recently a powerful liquid physics theory based on 3D classical density functional theory. Up to now, it is solved within the HNC approximation which neglects the so-called "bridge" correlation functions. The project consists in developing the theory beyond this standard approximation by constructing various bridge functionals or functions which extend simple spherical liquid approaches to molecular solvents and solutes governed by highly anisotropic interactions and correlations. The new theory will be implemented in the existing MDFT code and its results compared to molecular simulations performed in parallel.
See: http://iramis.cea.fr/Pisp/luc.belloni/

From: Luc Belloni luc.belloni@cea.fr

MISCELLANEOUS

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