GLE2017

Generalised Langevin Equation: Theory & Applications

12 - 13 January 2017

King's College London, London, The Strand, WC2R 2LS, U. K.

$$\mathbf{M}_{11}\partial_t^2\langle\mathbf{x}_1\rangle_t^S = \mathbf{F}_1(t) + \mathcal{R}_1(t) - \int_{t_0}^{t} \mathbf{K}_{11}(t,\tau)\partial_t\langle\mathbf{x}_1\rangle_\tau^S d\tau$$

During this workshop we would like to review current developments and discuss the state-of-the-art in the **dynamics of open classical and quantum systems**, with a specific emphasis on stochastic methods originating from the Generalised Langevin Equation approach.

Additionally, in the afternoon of the 13th of January a GLE based technique (both theory and software implementation) developed at King's College London for performing **MD simulations on an open classical system**, will be presented. We shall also run a tutorial class on practical applications of the method.

Invited speakers

Wang Jian-Sheng (National University of Singapore)
Fernando Bresme (Imperial College, London)
Felix von Oppen (Freie Universitat Berlin)
Fabian Menges (IBM Research, Zurich)
Mads Brandbyge (Technical University of Denmark) - TBC
Suman Kumar Banik (Bose Institute, Chemistry, Kolkata, India) - TBC
Roberto D'Agosta (Universidad del Paıs Vasco, E-20018 San Sebastian, Spain)

Register: http://gle2017.weebly.com

Submission deadline: 20.12.2016 (Extended)

EPSRC Engineering and Physical Sciences Research Council

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