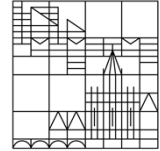


Physikalisches Kolloquium

Universität
Konstanz

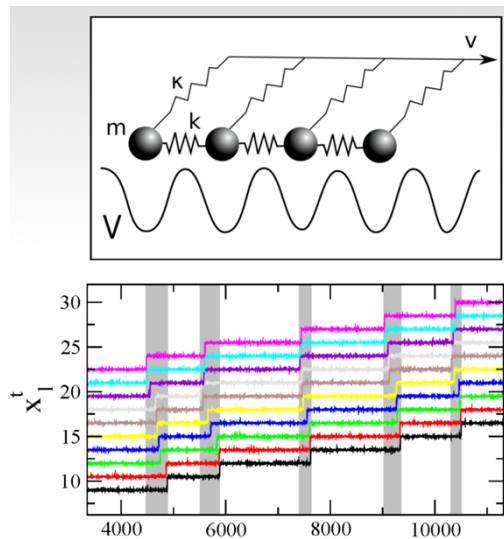


Di 22.05.18
15:15 Uhr
14:45 Uhr, Kaffee/Tee
R 513



Prof. Dr. Erio Tosatti

International School for Advanced Studies (SISSA)
Abdus Salam (ICTP)
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Nanofriction: Classical and Quantum Non-Equilibrium Physics

Friction encompasses physical phenomena full of practical and technological importance, yet poorly explored and understood when it comes to physics-based predictive theory. The advent of nanofriction experiments and emulations has made this mismatch even more striking, starting a modern renaissance of friction. I will describe fresh attempts, based upon ongoing modeling and simulation work, currently reducing this gap in some lucky cases.

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(**) In collaboration with P.P. Baruselli, A. Benassi, O. Brovko, R. Capozza, Y. Crespo, M. Fabrizio, L. Gigli, R. Guerra, A. Laio, D. Mandelli, N. Manini, E. Panizon, F. Pellegrini, S. Prestipino, G.E. Santoro, M. Teruzzi, A. Vanossi, T. Zanca.