Max-Planck – EPFL Center for Molecular Nanoscience & Technology

Welcome





Science Day

9:30-10:00 Molecular optomechanics: Amplification of vibrations in SERS Ph. Rölli (EPFL) and HH. Jeong (MPS) Bottom-up molecular assembly of cellular focal adhesion-associated proteins at nanopattern membrane interfaces J. Spatz (MPS) and H. Deschout (EPFL) 10:30-10:00 COFFEE BREAK Peptides at surfaces: Simulating organic-inorganic interface systems C. Baldauf (MPS) and M. Ceriotti (EPFL) 11:30-11:50 Study of molecular dissociation of diatomics on Au(111) and Ag(111) J. Geweke and J. Altschäffel (MPS-BPC) 12:00 LUNCH First-principles high-throughput design and discovery of novel materials, and its application to thermoelectrics C. Carbogno (MPS) and A. Marcolongo (EPFL) Synthetic nanomotors P. Fischer (MPS) and N. Nianias (EPFL) Nanocapillary and nanopore interfaces to 2D materials K. Balasubramanian (MPS) 15:30-16:30 COFFEE BREAK Biomolecules on their way to solvation C. Masellis (EPFL) and M. Schneider (MPS) Photoelectrochemical water splitting by GaAs nanowire arrays on Si A. Fontcuberta (EPFL) and F.M. Podjaski (MPS) Novel solid electrodes and electrolytes for Li-ion and Li-metal batteries M. Cococcioni (EPFL) and S. Harm (MPS) Adding a puzzle piece to the picture of biomolecular conformation: local study of peptides at solid/liquid interfaces B. Stel (MPS-EPFL Nanolab) Annual discussion meeting of the Center at the "Ilysia" in Stuttgart-Vaihingen		9:20	K. Kern and T. Rizzo			
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-Köster Lecture Hall 2R4

State-to-state dynamical studies of surface chemistry and energy transfer 9:00-9:30 R. Beck (EPFL) and A. Wodtke (MPS) Friday, October 14th, 2016 Charge carrier chemistry and interface effects in organic perovskites 9:30-10:00 for solar cells with enhanced efficiency A. Senocrate (MPS) and N. Pellet (EPFL) 10:00-10:30 **COFFEE BREAK** In-situ and atomic-scale investigations of degradation mechanisms 10:30-11:00 in solid oxide fuel cell devices C. Hébert (EPFL) and Z.J. Wang (MPS) Meeting of the Scientific Board (SB) 11:00-12:00 12:00 Report from the SB meeting and concluding remarks 13:00 K. Kern and T. Rizzo