

**Max Planck - EPFL Center for Molecular Nanoscience & Technology
Science Day – Fritz Haber Institute
9th-10th October 2014**

Harnack Haus Berlin www.harnackhaus-berlin.mpg.de

	Thursday, October 9th, 2014
09:00-09:20	<i>Welcome to the Harnack House</i> M. Scheffler (MPS-FHI)
09:20-10:00	<i>State to state dynamical studies of surface chemistry & energy transfer</i> R. Beck (EPFL) and A. M. Wodtke (MPS)
10:00-10:30	<i>Electrochemical characterization of the structure and composition of mixed Au@NPs</i> F. Cometto (Max-Planck-EPFL Nano-Lab)
10:30	COFFEE BREAK
11:00-11:40	<i>Biomolecules on their way to solvation,</i> G. von Helden and C. Baldauf (MPS), O. V. Boyarkin and T. Rizzo (EPFL)
11:40-11:55	<i>Ordered domains of binary-component self-assembled monolayers on flat surfaces</i> N.Nianias (EPFL-PhD)
12:00	LUNCH
13:30	General discussion
14:00-14:40	<i>Joined project by J. Maier (MPS) and M. Grätzel (EPFL)</i> speakers: T.-Y. Yang (MPS), N. Pellet (EPFL-PhD)
14:40-15:20	<i>Photoelectrochemical water splitting by GaAs nanowire arrays on Si</i> A. Fontcuberta i Morral (EPFL), B. Lotsch (MPS) + speakers: E.Alarcon-Lladó (EPFL), F.Podjaski (MPS)
15:20	COFFEE BREAK
16:00-16:40	<i>Realistic materials for Li-ion batteries: A combined experimental and theoretical approach, and the challenge of modeling mixed-valence transition-metal oxides</i> N.Marzari (EPFL) and J. Maier, B. Lotsch (MPS) + speaker: M. Cococcioni (EPFL)
16:40-17:20	<i>Towards the first-principles discovery of (novel) thermoelectric materials</i> M. Scheffler (MPS) and N. Marzari (EPFL) speakers : C. Carbogno (MPS), A.Cepellotti (EPFL)
17:30	Meeting of the Scientific Board
19:30	DINNER
	Friday, October 10th, 2014
09:00-09:40	<i>Bottom-up molecular assembly of cellular focal adhesion-associated proteins at nanopattern membrane interfaces,</i> A. Radenovic (EPFL) and J.Spatz (MPS)
09:40-10:20	<i>Bioengineering interactions and droplet-based microfluidics approaches for synthetic cell applications,</i> J.Hubbell (EPFL) and J.Spatz (MPS), speakers: I.Platzman (MPS) + Z.Julier (EPFL)
10:20	COFFEE BREAK
10:50-11:20	<i>Reactivity of Bio-inspired Ionic Networks for CO₂ activation</i> D. Hurtado (EPFL-PhD)
11:20	Final discussion
12:00	LUNCH