Thursday, October 9th, 2014

09:00-09:20  Welcome to the Harnack House  
M. Scheffler (MPS-FHI)

09:20-10:00  State to state dynamical studies of surface chemistry & energy transfer  
R. Beck (EPFL) and A. M. Wodtke (MPS)

10:00-10:30  Electrochemical characterization of the structure and composition of mixed Au@NPs  
F. Cometto (Max-Planck-EPFL Nano-Lab)

10:30  COFFEE BREAK

11:00-11:40  Biomolecules on their way to solvation,  
G. von Helden and C. Baldauf (MPS), O. V. Boyarkin and T. Rizzo (EPFL)

11:40-11:55  Ordered domains of binary-component self-assembled monolayers on flat surfaces  
N. Nianias (EPFL-PhD)

12:00  LUNCH

13:30  General discussion

14:00-14:40  Joined project by J. Maier (MPS) and M. Grätzel (EPFL)  
speakers: T.-Y. Yang (MPS), N. Pellet (EPFL-PhD)

14:40-15:20  Photoelectrochemical water splitting by GaAs nanowire arrays on Si  
A. Fontcuberta i Morral (EPFL), B. Lotsch (MPS) + speakers: E. Alarcon-Lladó (EPFL), F. Podjaski (MPS)

15:20  COFFEE BREAK

16:00-16:40  Realistic materials for Li-ion batteries: A combined experimental and theoretical approach, and the challenge of modeling mixed-valence transition-metal oxides  
N. Marzari (EPFL) and J. Maier, B. Lotsch (MPS) + speaker: M. Cococcioni (EPFL)

16:40-17:20  Towards the first-principles discovery of (novel) thermoelectric materials  
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  Bottom-up molecular assembly of cellular focal adhesion-associated proteins at nanopattern membrane interfaces,  
A. Radenovic (EPFL) and J. Spatz (MPS)

09:40-10:20  Bioengineering interactions and droplet-based microfluidics approaches for synthetic cell applications,  
J. Hubbell (EPFL) and J. Spatz (MPS), speakers: I. Platzman (MPS) + Z. Julier (EPFL)

10:20  COFFEE BREAK

10:50-11:20  Reactivity of Bio-inspired Ionic Networks for CO₂ activation  
D. Hurtado (EPFL-PhD)

11:20  Final discussion

12:00  LUNCH