

Max Planck - EPFL Center for Molecular Nanoscience & Technology Science Day – EPFL 5th-6th October 2017

Starling Hotel Lausanne <http://shlausanne.com>

Thursday, October 5th, 2017	
09:20	Welcome
09:30-10:00	Photoelectrochemical water splitting by GaAs nanowire arrays on Si and CO ₂ reduction, <u>A. Fontcuberta</u> (EPFL) and <u>F.M. Podjaski</u> (MPS)
10:00-10:30	Novel solid electrodes and electrolytes for Li-ion and Li-metal batteries, <u>G. Materzanini</u> (EPFL) and <u>G. Kucinskis</u> (MPS)
	COFFEE BREAK
11:00-11:30	First-principles high-throughput design and discovery of novel materials, and its application to thermoelectrics, <u>N. Marzari</u> , <u>A. Cepellotti</u> (EPFL) and <u>C. Carbogno</u> (MPS)
11:30-11:50	ARPES studies on lead bromide perovskites, <u>S.Polishchuk</u> (EPFL)
12:00	LUNCH
14:00-14:30	Synthetic nanomotors, <u>M. Alarcon</u> (MPS) and <u>N.Nianias</u> (EPFL)
14:30-15:00	Molecular optomechanics : Amplification of vibrations in SERS, <u>H.-H. Jeong</u> (MPS) and <u>Ch.Galland</u> (EPFL)
15:00-15:30	The effect of light on the ionic conduction of hybrid organic-inorganic lead halides perovskite, <u>G.Y. Kim</u> (MPS) and <u>N.Pellet</u> (EPFL)
	COFFEE BREAK
16:00-16:30	State-to-state dynamical studies of surface chemistry and energy transfer, <u>A. Wodtke</u> (MPS) and <u>R. Beck</u> (EPFL)
16:30-17:00	In-situ and atomic-scale investigations of degradation mechanisms in solid oxide fuel cell devices, <u>C. Hébert</u> (EPFL) and <u>Zhu-Jun Wang</u> (MPS)
17:00-18:00	Scientific Board meeting
19:30	DINNER at "Gina's"
Friday, October 6th, 2017	
09:00-09:30	Biomolecules on their way to solvation, <u>G. von Helden</u> , <u>C. Baldauf</u> (MPS) and <u>C. Masellis</u> (EPFL)
09:30-10:00	Peptides at surfaces : Simulating organic-inorganic interface systems, <u>M. Ceriotti</u> (EPFL) and <u>M. Rossi</u> (MPS)
	COFFEE BREAK
10:30-11:00	Nanocapillary and nanopore interfaces to 2D materials, <u>A. Radenovic</u> (EPFL) and <u>K. Balasubramanian</u> (MPS)
11:00-11:30	Bottom-up molecular assembly of cellular focal adhesion-associated proteins at nanopattern membrane interfaces, <u>I. Platzmann</u> (MPS) and <u>A. Radenovic</u> (EPFL)
11:30-11:50	Final discussion
12:00	LUNCH