

## Max Planck - EPFL Center for Molecular Nanoscience & Technology Science Day – EPFL 11th-12th October 2018

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

<b>Thursday, October 11<sup>th</sup>, 2018</b>	
09:00	Welcome
09:15-10:00	Thermal and magnetic field stability of the smallest permanent magnets, <u>H.Brune</u> (EPFL)
10:00-10:30	Charge carrier chemistry of halide perovskites under light, <u>A.Senocrate</u> (MPS)
	<b>COFFEE BREAK</b>
11:00-11:30	Ultrafast electronic and structural dynamics in perovskites, <u>M.Chergui</u> (EPFL), <u>R.Ernstorfer</u> (MPS)
11:30-11:50	Growth of Zinc Phosphide nanowires using Molecular Beam Epitaxy – a novel photovoltaic material, <u>S. Escobar Steinvall</u> (EPFL)
<b>12:00</b>	<b>LUNCH</b>
14:00-14:30	Solar battery based on a hybrid organic-inorganic scheme, <u>F.M. Podjaski</u> (MPS)
14:30-15:00	Dynamics at the gas-liquid interface: Molecular beam scattering on aqueous solution surfaces, <u>B.Credidio</u> (EPFL)
15:00-15:30	Surface dynamics of the tunable graphene-covered Cu catalyst for electrochemical CO <sub>2</sub> reduction, <u>K.Banjac</u> (Nanolab of the MPS-EPFL-Center)
	<b>COFFEE BREAK</b>
16:00-16:30	Unraveling the growth mechanism of shaped nanoparticles towards a rational design of novel catalysts for CO <sub>2</sub> revalorization, <u>U. Lorenz</u> (EPFL)
16:30-17:00	Conclusion of the “State-to-state dynamical studies of surface chemistry and energy transfer” project, <u>R. Beck</u> (EPFL)
17:00-17:30	Molecular vibrations in solids and at interfaces, <u>A. Gutierrez</u> (EPFL)
17:30-18:00	Superconducting nanowire infrared photon detection, <u>J.Lau</u> (MPS)
<b>19:30</b>	<b>DINNER at “Gina’s”</b>
<b>Friday, October 12<sup>th</sup>, 2018</b>	
09:00-09:30	Detection of chirality-dependent optical forces on engineered chiral nanoparticles, <u>P. Fischer</u> (MPS) and <u>Ch. Galland</u> (EPFL)
09:30-10:00	Machine learning of experimental observables in surface and interface science, <u>M. Ceriotti</u> (EPFL) and <u>N. Raimbault</u> (MPS)
	<b>COFFEE BREAK</b>
10:30-11:00	Sequential assembled synthetic cells as a playground for 4D microscopy, <u>K. Grussmayer</u> (EPFL) and <u>I. Platzman</u> (MPS)
11:15-11:45	Meeting of the Scientific Board
<b>12:00</b>	<b>LUNCH</b>