

Max Planck - EPFL Center for Molecular Nanoscience & Technology Science Day – EPFL 10th-11th October 2019

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

Thursday, October 10th, 2019	
09:00	Welcome
09:10-10:00	Functional nanostructured interfaces: from atoms to medicine (Magalí Lingenfelder, Nanolab of the MPS-EPFL-Center) COFFEE BREAK
10:30-11:10	Direct Observations of Morphology Changes in Copper Nanoparticles during Electrochemical Cycling Using Liquid Cell TEM (See Wee Chee, FHI)
11:10-11:50	Molecular vibrations in solids and at interfaces (Ana Gutiérrez Gonzáles, EPFL)
12:00	LUNCH
14:00-14:40	Dynamics at the gas-liquid interface: Molecular beam scattering on aqueous solution surfaces (Bruno Credidio, EPFL)
14:40-15:20	Detection of chirality-dependent optical forces on engineered chiral nanoparticles (Johannes Sachs, MPI-IS and Martin Pototschnig, EPFL) COFFEE BREAK
16:00-16:40	Charge carrier chemistry of halide perovskites under light (Alessandro Senocrate, MPI-FKF and Algirdas Ducinkas, EPFL)
16:40-17:20	Solar battery based on a hybrid organic-inorganic scheme (Anna Fontcuberta, EPFL and Andreas Gouder, MPI-FKF)
18:00	Scientific Board meeting
19:30	DINNER at the "Gina"
Friday, October 11th, 2019	
09:20-10:00	Sequential assembled synthetic cells as a playground for 4D microscopy (Iliia Platzman, MPI-MR and Aleksandra Radenovic, EPFL) COFFEE BREAK
10:30-11:10	Ultrafast electronic and structural dynamics in perovskites (Serhii Polishchuk, EPFL and Helene Seiler, FHI)
11:10-11:50	Machine learning of experimental observables in surface and interface science (Andrea Grisafi, EPFL and Dmitrii Maksimov, FHI)
12:00	LUNCH