

Molecular assemblies on semiconductors and insulating surfaces

Project meeting, 11. - 12.10.2012

Location: University of Basel, Department of Physics, **Room 2.04**

Program:

Thursday, 11.10.2012

9:00-9:30 arrival and meeting in room 2.04

9:30-13:00 scientific presentations (~40min each)

- High resolution imaging and spectroscopy at low temperature (*Rémy Pawlak*)
- Nanopatterns on ion irradiated TiO₂(110) (*Marek Kolmer*)
- Imaging "molecular orbitals" on passivated semiconductors (*Szymon Godlewski*)
- Electrospray ionization for the deposition of large molecules in UHV conditions (*Antoine Hinaut*)

13:00-14:00 lunch (Mensa, Physics Department)

14:00-16:00 scientific presentations (~40min each)

- Dye sensitized solar cells (*Gino Günzburger*)
- Aromatic molecules on rutile surfaces: a subjective review (*Jakub Prauzner-Bechcicki*)

16:15-17:15 **Extraordinary lecture by Prof. Dr. Marek Szymonski (Hörsaal 1)**

"Construction of dangling bond logic gates on passivated semiconductors"

18:30- dinner Löwenzorn (<http://www.loewenzorn.ch/>)

Friday, 12.10.2012

9:00-11:00 scientific presentations (~40min each)

- Self assembly and optoelectronic properties of donor-acceptor molecules (*Sweetlana Fremy*)
- Chiral clusters of functionalized helicenes on Ag(111) (*Bartosz Such*)
- Friction on phase transition (*Marcin Kisiel*)

11:00-12:30 Project Planing

12:30-13:30 lunch (Mensa, Physics Department)

Saturday, 13.10.2012

11:00 meeting [St. Chrischona](#) Restaurant Waldrain, hiking to Inzlingen

12:30 lunch in Inzlingen [Wasserschloss](#)

15:00 hiking to Riehen, [Fondation Beyeler](#) and visit of the exhibition