

Organic Semiconductors for Light Harvesting, April 4-5, 2016

University Milano Bicocca, Milan, Italy

A seminar that is organized by Gian Paolo Brivio and given by PROF. M. SCHIEK
Carl von Ossietzky University, Oldenburg-Germany

Topics:

April 4:

2.30 pm 1. lesson: organic semiconductors

general properties of organic semiconductors focusing small molecular semiconductors

3.45 pm 2. lesson: organic solar cells

device architecture and operation principles, especially bulk heterojunction solar cells

April 5

2.30 pm 3. lesson: organic photodetectors

device architecture and operation principles, especially diode-configuration; novel detection functionalities by implementing chiral photoactive materials

3.45 pm 4. lesson: artificial photoreceptors

overview of retinal prosthesis for vision restoration; application of organic semiconductor thin films as artificial photoreceptors