



DESIGN AND MODELLING OF PHYSICO-CHEMICAL PROPERTIES OF SUPRAMOLECULAR MATERIALS FOR ORGANIC ELECTRONICS

1 September 2010

Supramolecular chemistry has been used in the last decades as a tool to engineer functional materials, which hold great potential towards their technological use. The research on the field of organic supramolecularly-engineered nanostructured materials (SENMs) combined with the interfacing with substrates and electrodes, is emerging as a new research area in the field of organic electronics.

In this school, we will tackle the fundamental physico-chemical principles of supramolecular materials by focusing on the design and modelling of the geometric, electronic and optical properties of SENMs. The school will consist in 50' lectures on supramolecular organization, charge transport, interfaces and optical properties that will be given by experts in the field.

Schedule:

14.00 - 15.00 Claudio Zannoni

"Computer simulations of soft matter molecular organization"

15.00 - 16.00 Egbert Zojer

"Understanding the electronic structure of metal-organic interfaces"

16.00 - 16.30 Coffee break

16.30 - 17.30 Yoann Olivier

"Charge transport in organic conjugated materials: from molecular properties to charge carrier mobility"

17.30 - 18.30 Johannes Gierschner

"Conjugated Polymers: Insights from Spectroscopy & Theory"

Contact:

Please confirm assistance by 15th August to:
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Keynote speakers:

Claudio Zannoni University of Bologna, Italy

Egbert Zojer Graz University of Technology, Austria

Yoann Olivier University of Mons, Belgium

Johannes Gierschner IMDEA Nanoscience, Spain

Location:

Meeting room Linus Pauling

University of Mons

Campus Plaine de Nimy

Mons, Belgium

Information:

<http://www.superior-network.eu/>

Organizers:

