Transport and Molecular Organisation in Organic and Bioorganic Electronics: a MODECOM workshop

Wednesday 14 January 2009
Venue:
Salone Marescotti,
Dipartimento di Musica e Spettacolo
via Barberia, 4 – 40123 Bologna
http://www.muspe.unibo.it

08.45 Registration
09.15 Prof. Claudio Zannoni, University of Bologna (Italy): Welcome
09.20 Prof. Alison Walker, University of Bath (UK) and MODECOM coordinator
"Charge and Energy Transport from micro- to macro-scale"
10.00 Dr. Luca Muccioli, University of Bologna (Italy)
"Self-assembling in organic electronics materials: a simulation perspective"
10.45 Prof. Anna Painelli, University of Parma (Italy)
"Electron-transfer in molecular functional materials: from molecules to materials"
11.30 Coffee break
12.00 Prof. Giorgio Orlandi, University of Bologna (Italy)
"Charge Mobility and Electric Bistability of Organic Semiconductors"
12.45 Dr. Johannes Gierschner, IMDEA Madrid and University of Valencia (Spain)
"Spatial control of 3D energy transport through supramolecular architectures"
13.30 Buffet lunch
14.30 Dr. David Beljonne, University of Mons-Hainaut (Belgium)
"Beyond Förster resonance energy transfer in biological and nanoscale systems"
15.15 Prof. Olle Inganäs, University of Linköping (Sweden)
"Biomolecular nanowires meet electronic polymers"
16.00 Coffee break
16.30 Prof. Jean-Luc Brédas, University of GeorgiaTech (USA) and University of Mons-Hainaut (Belgium)
"Description of the Charge-Transport Parameters in Organic Semiconductors: The Path to Predicting Charge-Carrier Mobilities"
17.15 Dr. Eugenio Lunedei, CNR Bologna (Italy)
"Role of intermolecular bipolarons in electro/optic properties of ordered organic semiconductors"
17.40 Prof. Fabio Biscarini, CNR Bologna (Italy)
"Nanotechnology and organic electronics: a converging approach for biomedical research"
18.25 Prof. Claudio Zannoni, University of Bologna (Italy): Concluding remarks
18.30 End of the workshop