



UNIVERSITÀ
DEGLI STUDI
DI TORINO

Workshop & NIS Colloquium



Torino, October 6th-7th 2016
Aula Cannizzaro, Via P. Giuria 7
Department of Chemistry, University of Torino

Organizers: C. Atzori, N. Barbero, C. Barolo, F. Bonino, B. Civalleri, J.G.Vitillo

The workshop is intended to be an informal and a high profile thematic discussion meeting aimed at highlighting the role and potential use of hybrid materials (with porous and non-porous frameworks) in light harvesting and energy transfer. Various exciting topics will be discussed from fundamentals to applications and devices, from host-guest confinement (e.g. dyes encapsulated in porous frameworks) to photo-catalysis, from photoactive therapy to tunable opto-electronic features and solar cells. Contributions will cover both experimental and theoretical viewpoints. The workshop is organized within the frame of NIS Colloquia a series of scientific meetings. The official language of the workshop is English.

A poster session (with buffet) will be organized at the end of the first day (October 6th, 2016)

Registration is free but requested

Please send an e-mail to francesca.bonino@unito.it or jenny.vitillo@unito.it within 29/09/2016

Speakers

- Jin-Chong Tan (University of Oxford, UK)
- Frederic Labat (Paristech, FR)
- Sachin Chavan (University of Oslo, NO)
- Enrica Gianotti (UPO, IT)
- Marco Milanesio (UPO, IT)
- Alessandra Operamolla (UniBA, IT)
- Claudio Minero (UniTO, Italy)
- Jorge Gascon (TUDelft, NL)
- Ruben D. Costa (FAU-Erlangen, DE)
- Federico Bella (PoliTO, IT)
- Gianmario Martra (UniTO, IT)
- Carlo Nervi (UniTO, IT)
- Giuseppe Paternò (IIT/PolIMI, IT)

PROGRAM

October 6th, 2016		October 7th, 2016	
14:30	Opening	9:00-9:45	Jorge Gascon, TUDelft <i>"Metal Organic Frameworks as potential photocatalysts. Where are we and where are we heading?"</i>
14:45-15:30	Jin-Chong Tan, University of Oxford <i>"Tailoring Optoelectronic Properties of Host-Guest Metal-Organic Frameworks (MOFs)"</i>	9:45-10:15	Alessandra Operamolla, Uni Bari <i>"Drawing from natural materials for organic electronics"</i>
15:30-16:00	Sachin Chavan, Uni Oslo <i>"Scale up of Zr-based "UiO-66" MOFs"</i>	10:15-10:45	Enrica Gianotti, UPO <i>"The therapeutic effect of light: hybrid nanoplatforms for photodynamic therapy"</i>
16:00-16:30	Marco Milanesio, UPO <i>"Preparation of new photoactive hybrid nanocomposites, based on hydrotalcite and saponite layered materials"</i>	10:45	Coffee-break
16:30	Coffee-break	11:15-12:00	Ruben D. Costa, FAU Erlangen <i>"Hybrid organic-inorganic materials for optoelectronic devices"</i>
17:00 -17:45	Frederic Labat, Paristech <i>"DFT modeling of sensitized solar cells"</i>	12:00-12:30	Federico Bella, POLITO <i>"Light-induced design of smart materials for energy devices"</i>
17:45-18:10	Carlo Nervi, UNITO <i>"Photoelectrochemical Cells for Solar Fuels: Water Splitting and CO₂ Reduction"</i>	12:30-13:00	Giuseppe Paternò, IIT/POLIMI <i>"Ultrafast Spectroscopy of Low-Dimensionality Organic and Hybrid Materials"</i>
18:10-18:35	Gianmario Martra, UNITO <i>"Radiative vs radiaonless decays of photoexcited dyes entrapped in inorganic matrices: any possibility to manage the competition?"</i>	13:00	Closing remarks
18:35-19:00	Claudio Minero, UNITO <i>"The photocatalytic performance of Graphene-TiO₂ Hybrid materials"</i>		
19:00	Poster session with buffet		