

Lunedì, 8 giugno 2015

- 8.45-9.00 *Saluto da parte del Presidente della Divisione di Chimica Fisica
Professore Salvatore Coluccia*
- 9.00-10.00 **R. Basosi:** *Energy from the laws of Thermodynamics to Horizon2020*
- 10.00-11.00 **N. Armaroli:** *Energy for the 21st century. Where we are, where we should go*
- 11.00-11.30 **Coffee Break**
- 11.30-13.30 **Tavola Rotonda**
- 16.30-17.45 **S. Campagna:** *Photoinduced energy migration and charge separation. Their role in natural photosynthesis and basic requirements for the design of artificial systems*
- 17.45-18.15 **Coffee Break**
- 18.15-19.30 **E. Collini:** *Coherent electronic energy transfer in light harvesting: from the biological process to photovoltaic applications*

Martedì, 9 giugno 2015

- 9.00-10.15 **M. Bonchio:** *Water Oxidation: the key step of Artificial Photosynthesis*
- 10.15-11.30 **M. Prato:** *Integration of carbon nanostructures for energy production*
- 11.30-11.45 **Coffee Break**
- 11.45-13.00 **A. Abbotto:** *Molecular design for solar production of electricity and fuels*
- 13.00-13.30 **M. Trotta:** *Hybrid photosynthetic Proteins*
- 16.30-17.45 **F. Paolucci:** *NanoCarbon-based Electrocatalytic Composites for the Artificial Leaf*
- 17.45-18.15 **Coffee Break**
- 18.15-19.30 **M. Pavone:** *Ab initio simulation of charge and mass transport in energy conversion devices*

Mercoledì, 10 giugno 2015

- 9.00-10.15 **V. Barone:** *Virtual Tools for Molecular Sciences:the Virtual Multifrequency Spectrometer*
- 10.15-11.30 **B. Pignataro:** *Molecular thin films self-organized in 3D for photovoltaics*
- 11.30-12.00 **Coffee Break**
- 12.00-13.00 **G. Giancane:** *Humid techniques of immobilization of the active layers: methods, characterization and applications in photoinduced phenomena*
- 16.00-17.15 **R.J.A. Janssen:** *Converting Solar Energy with Organic Materials*
- 17.15-17.45 **Coffee Break**
- 17.45-18.45 **A. Beneduci:** *Basic concepts and applications of thin organic films for solar control and light switch*
- 18.45-20.00 **E. Selli:** *Photocatalytic Production of Solar Fuels: Materials and Reaction Paths*

Giovedì, 11 giugno 2015

- 8.45-10.00 **C. A. Bignozzi:** *Functionalized Semiconductor Nanomaterials² in Solar Energy Conversion Processes*
- 10.00-11.15 **M. L. Curri:** *Soft chemistry tools for functional nanomaterials: new opportunities for photocatalytic applications*
- 11.15-11.30 **Coffee Break**
- 11.30-12.45 **B. Scrosati:** *Challenges in lithium-ion and beyond lithium ion batteries*
- 12.45-14.00 **S. Binetti:** *Inorganic Photovoltaic devices: from silicon to new hybrid tandem cells.*
- 17.00 **Visita a Otranto**
- 20.00 **Intermezzo musicale con "Coretto UniSalento" e cena sociale presso Istituto Professionale Servizi per l'Enogastronomia e l'Ospitalità alberghiera "A. Moro", S. Cesarea Terme**

Venerdì, 12 giugno 2015

- 9.00-10.15 **M. Cossi:** *Gas Adsorption in Porous Solids: Models, Specific Surfaces and Pore Distributions*
- 10.15-11.00 **L. Marchese:** *Physico-Chemical Characterization of Porous Solids*
- 11.00-12.15 **S. Bordiga:** *Materials for gas capture and storage: Performance, Targets, Applications*
- 12.15-12.45 **Coffee Break**
- 12.45-13.30 **M. Cossi:** *Theoretical Simulation of Gas Adsorption*