



PHOTOPHYSICS AND
PHOTOCHEMISTRY
GROUP



UNIVERSITÀ DEGLI STUDI
DI MESSINA



DIPARTIMENTO DI SCIENZE CHIMICHE,
BIOLOGICHE, FARMACEUTICHE ED
AMBIENTALI

UK-IT JOINT MEETING ON PHOTOCHEMISTRY 2019

24 – 26 June 2019

Conference center – Hotel Aktea - Lipari, Italy

Provisional Program

Monday 24th June	
SESSION 1	
8:30	Registration and OPENING
9:00→09:40	PL1 J. Durrant (Imperial College London) <i>Charge carrier dynamics for solar driven fuel synthesis</i>
9:40→10:00	O1 M. Natali (Università di Ferrara) <i>Photoinduced proton-coupled electron-transfer in supramolecular porphyrin-di(L-tyrosinato) conjugates</i>
10:00→10:20	O2 M. Bonomo (Università di Torino) <i>Synthesis and photoelectrochemical characterization of nanostructured mixed oxides as photocathodes of p and tandem Dye-Sensitized Solar Cells</i>
10:20→10:40	O3 O. Johansson (University of Edinburgh) <i>Vibrational coherences in manganese single-molecule magnets after ultrafast photoexcitation</i>
10:40→11:00	Coffee Break
11:00→11:25	KN1 M. Panigati (Università di Milano) <i>Photophysics of dinuclear rhenium(I) complexes</i>
11:25→11:45	O4 E. Benazzi (University of Newcastle) <i>Role of the protons on the photoinduced electrons transfer of Keggin tin hybrids</i>
11:45→12:05	O5 V. Porley (University of Edinburgh) <i>Water Purification in Rural India using Sunlight and Low-cost Materials</i>
12:05→12:25	O6 A. Menichetti (Università di Bologna) <i>New Transparent Colloidal TiO₂ Nano-systems as Efficient Photocatalysts for Environmental Remediation</i>
SESSION 2	
14:40→15:05	KN2 D. Genovese (Università di Bologna) <i>Surface-driven high-affinity interactions of fluorescent hyaluronan with nanomaterials</i>

15:05→15:25	O7 A. Patel (University College London) <i>Shining new light on the electronic structure and relaxation dynamics of oxyluciferin in vacuo using anion photoelectron spectroscopy</i>
15:25→15:45	O8 J. Preece (University of Birmingham) <i>A New Class of Organic Material which Photoconducts, Fluoresces (blue through to red) and is Liquid Crystalline</i>
15:45→16:05	Coffee Break
16:05→16:25	O9 T. Vlcek (Queen Mary University London) <i>Photophysical heavy-atom effects</i>
16:25→16:45	O10 M. Canton (Università di Bologna) <i>LEAPS 2.0: toward the second generation of light-powered artificial molecular pumps</i>
16:45→17:05	O11 D. Sánchez Resa (ISOF CNR- Bologna) <i>Photophysical properties of porphyrinic covalent cages with different linkers and their complexes with Ag(I)</i>
17:05→17:25	O12 F. Cucinotta (University of Newcastle) <i>Energy transfer beyond the molecular scale: self-assembled host-guest antenna materials</i>
17:25→19:25	GENERAL ASSEMBLY OF SOCIETIES
	Thursday 25th June
	SESSION 3
9:00→09:40	PL2 O. Ishitani (Tokyo Institute of Technology) <i>Photocatalytic CO₂ Reduction</i>
9:40→10:00	O13 E. Moore (University of Queensland, Australia) <i>Transient Insights into Sensitization-Initiated Electron Transfer (SenI-ET)</i>
10:00→10:20	O14 A. Cancelliere (Università di Messina) <i>New Ru(II)-Re(I) Supramolecular Systems for Photoinduced CO₂ Reduction</i>
10:20→10:40	O15 S. Berardi (Università di Ferrara) <i>A hybrid molecular photoanode for the light-driven oxygen evolution from water</i>
10:40→11:00	Coffee Break
11:00→11:25	KN3 E. Tuite (University of Newcastle) <i>DNA in the Spotlight constructive and destructive photochemistry</i>
11:25→11:45	O16 A. Fraix (Università di Catania) <i>A Three-Color Fluorescent Supramolecular Nanoassembly for Bimodal Phototherapy Imaged by Two-Photon Excitation with a Single NIR Light</i>
11:45→12:05	O17 J. Segarra-Martí (Imperial College London) <i>Simulating photoionisation phenomena in DNA/RNA pyrimidine nucleobases</i>
12:05→12:25	O18 D. Ravelli (Università di Pavia) <i>C–H to C–C Conversion in Oxygenated Heterocycles via Photocatalyzed Hydrogen Atom Transfer (HAT)</i>
	SESSION 4
14:40→15:05	KN4 C. E. H. Dessent (University of York) <i>Laser-Interfaced Mass Spectrometry as a New Tool for Photochemistry</i>
15:05→15:25	O19 J. Karlsson (University of Newcastle) <i>Intramolecular Singlet Exciton Fission in an Elongated Bis-Pentacene Derivative</i>

15:25→15:45	O20 M. Marchini (Università di Bologna) <i>Allylation of Aldehydes by Dual Photoredox and Nickel Catalysis.</i>
15:45→16:05	Coffee Break
16:05→16:25	O21 G. Williams (University of Durham) <i>When two are better than one: multinuclear design of platinum(II) and iridium(III) complexes affording highly efficient deep-red / NIR emission</i>
16:25→16:45	O22 P. Scattergood (University of Huddersfield) <i>Dual ³MLCT-Based Emission From Ir(III) Phosphors and Insights Into the Mechanism of Inter-Ligand Energy Transfer</i>
16:45→17:05	O23 S. Bonacchi (Università di Padova) <i>A New Monolayer-Protected Clusters: Unravelling the origin of NIR Luminescence</i>
17:05→17:25	O24 A. Basso (Università di Genova) <i>Diazonium salts revisited: photocatalyzed generation of acetonyl radical</i>
17:25→19:25	Poster session
20:30	Social Dinner
	Wednesday 26th June
	SESSION 5
9:00→09:40	PL3 P. Ceroni (Università di Bologna) <i>Phosphorescent organic chromophores as sensors of metal ions and oxygen</i>
9:40→10:00	O25 F. Rizzo (ISTM-CNR Milano) <i>Highly fluorescent water soluble spirobifluorene-based dye as sensitive probe for protein detection in solution and onto surface</i>
10:00→10:20	O26 A. Carrod (University of Birmingham) <i>Electrochemical and Photoluminescent Sensing of Sugars at Physiological pH via an Iridium(III) Complex</i>
10:20→10:40	O27 M. Cingolani (Università di Bologna) <i>Silica Nanoparticles based on Water Soluble Biocompatible Fullerene</i>
10:40→11:00	Coffee Break
11:00→11:25	KN5 R. Crespo-Otero (Queen Mary University of London) <i>Understanding aggregation-induced emission in molecular crystals undergoing excited state proton transfer</i>
11:25→11:45	O28 M. Penconi (ISTM-CNR Milano) <i>Meso-tetra-aryl-porphyrins as Efficient Multipurpose Functional Materials for Coatings and Organic Photovoltaics</i>
11:45→12:05	O29 R. Edkins (University of Strathclyde) <i>Synthesis and Photophysics of High-Symmetry Phthalocyanines</i>
12:05→12:25	O30 I. Robayo (University of Limerick) <i>Organisation And Photoreactivity of Self-Assembled Metalloporphyrin aggregates at the Interface between Two Immiscible Electrolyte Solutions</i>
	SESSION6
14:40→15:05	KN6 E. Torti (Università di Pavia) <i>Light-driven release of acids for technological applications</i>
15:05→15:25	O31 F. Terenziani (Università di Parma) <i>Quadrupolar chromophores: a new aggregation regime</i>

15:25→15:45	O32 K. Cywinsky (University of Limerick) <i>Photoelectrochemistry of Dye-sensitized Titanium Dioxide Nanoparticle Films at Polarized Soft Interfaces</i>
15:45→16:05	Coffee Break
16:05→16:25	O33 C. Kerzig (University of Basel) <i>Novel two-photon chemistry in water</i>
16:25→16:45	O34 R. Gupta (University of Birmingham) <i>Aqueous Photochemistry for the Fabrication of Grating Sensors in Hydrogels</i>
16:45→17:05	O35 C. Martin (Nara Institute of Science and Technology (NAIST)) <i>Recent evolutions in terarylene scaffolds towards new photo-applications</i>
17:05→17:25	O36 E. Selli (Università di Milano) <i>Wavelength-Dependent Ultrafast Charge Carrier Separation in WO₃/BiVO₄ Photoanodes</i>
17:25→19:25	Social Excursion

SPONSORS



European
Photochemistry
Association

Hellma[®]

HORIBA
Scientific



Metrohm