

Transforming our Future:

Unifying Concepts for Multi-Functional and Complex Systems

PROGRAM	
Sunday – February 2nd	
16:00 - 17:00	Registration
17:15 - 17:30	Welcome Address Marcella Bonchio (E-WISPOC Chair, University of Padova, Italy) Gianluca Farinola (Past-President of The Organic Chemistry Division, Società Chimica Italiana) Michele Maggini (Head of the Department of Chemical Sciences, University of Padova)
17:30 - 18:45:	Discussion leader: Marcella Bonchio (University of Padova, Italy) Opening Lecture <i>"Merging Photoredox Chemistry with Boron: New Opportunities in Synthesis"</i> Varinder Aggarwal (University of Bristol, UK) 5 min introduction – 50-55 min presentation + 15-20 min discussion
19.00 – 20.30	Dinner
20.30 – 21.30	GROUP Activities – project development I session Announcement of Groups

Monday – February 3rd	
9:00 - 12:00	Complex System/Health: Complexity and Nanotech of Bio-inspired Systems Discussion Leader: Maurizio Prato (University of Trieste, Italy)
9:00 – 10:15 Lecture 1– Health	<i>"Organic ligands direct the growth and assembly of gold nanoparticles"</i> Luis Liz Marzan (Centro de Investigación Cooperativa en Biomateriales CIC BiomaGUNE, San Sebastián, Spain) 5 min introduction – 50-55 min presentation + 15-20 min discussion
10:15 - 10:45	Coffee Break
10:45 - 12:00 Lecture 2 – Health	<i>"From molecules, to peptides, nanoparticles and beyond"</i> Pierangelo Metrangolo (Polytechnic of Milano, Italy) 5 min introduction – 50-55 min presentation + 15-20 min discussion
12:00 - 17:30	Lunch/Free Time
17:30 – 18.45	SciVal, a tool for literature research Presentation from Elsevier group
19.00- 20.30	Dinner
20.30 – 22.30	GROUP Activities – project development II session Supervised by Scientific Tutors

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Tuesday – February 4th	
9:00 - 12:00	Complex System/RawMat: Complex Mechanisms for Transformation of Raw Materials-Feedstocks Discussion Leader: Gianluca Farinola (University of Bari, Italy)
9:00 - 10:15 Lecture 3 – RawMat	<i>"Proton-coupled electron transfer: Molecules, Materials, and Catalysis"</i> James Mayer (Yale University, USA) 5 min introduction – 50-55 min presentation + 15-20 min discussion
10:15 - 10:45	Coffee Break
10:45 - 12:00 Lecture 4 – RawMat	<i>"Controlling selectivity in aliphatic C-H bond functionalization"</i> Massimo Bietti (University of Tor Vergata, Italy) 5 min introduction – 50-55 min presentation + 15-20 min discussion
12:00 - 17:30	Lunch/Free Time
17:30 – 18.45	GROUP Activities – project development III session Supervised by Scientific Tutors
19.00- 20.30	Dinner
20.30 – 22.30	POSTER SESSION (I)

Wednesday – February 5th	
9:00 - 12:00	Complex System/Energy: Multi-functional Systems for new Energy Conversion Schemes Discussion Leader: Massimo Bietti (University of Tor Vergata, Italy)
9:00 - 10:15 Lecture 5 – Energy	<i>"Metal complexes luminescence and applications"</i> Luisa De Cola (Strasbourg University, France) 5 min introduction – 50-55 min presentation + 15-20 min discussion
10:15 - 10:45	Coffee Break
10:45 - 12:00 Lecture 6 – Energy	<i>"Stereocontrol in Photochemical Synthesis"</i> Tehshik Yoon (Madison University, USA) 5 min introduction – 50-55 min presentation + 15-20 min discussion
12:00 - 17:30	Lunch/Free Time
17:30 – 18.45 Lecture 7 – Modelling	<i>"New concepts toward rational supramolecular chemistry & controllable complex molecular systems"</i> Giovanni Pavan (Politecnico di Torino, Italy) 5 min introduction – 50-55 min presentation + 15-20 min discussion
19.00- 20.30	Dinner
20.30 - open	POSTER SESSION (II)

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Thursday – February 6th	
9:00 - 12:00	Complex Systems: Catalysis and Industrial Perspectives Discussion Leader: Francesco Zerbetto (Università di Bologna)
9:00 – 10:15 Lecture 8 Catalysis	<i>"The long and winding road to sustainable catalysis"</i> Paolo Fornasiero (Università degli Studi di Trieste, Italy) 5 min introduction – 50-55 min presentation + 15-20 min discussion
10:15 - 10:45	Coffee Break
10:45 - 12:00 Lecture 9 Industrial	<i>"Bridging the gap: selected case studies of nanomaterials industrialization"</i> Marco Bersani (Particular Materials, Italy) 5 min introduction – 50-55 min presentation + 15-20 min discussion
12:00 - 17:30	Lunch/Free Time
17:30 - 20.00	GROUP Activities – project development (II session) Supervised by Scientific Tutors Submission deadline of proposals and presentations
20.00 – 22.00	Social Dinner – ★ POSTER PRIZE EVENT
Friday – February 7th	
9:00 - 10:45	Project Presentations by Group Representatives Discussion Leader: Luisa De Cola (University of Strasbourg)
10:45-11.15	Coffee Break
11.15 - 11.45	Funding Opportunities: "Tips for a Competitive Project" Giovanni Curi (International Research Office University of Padova, Italy)
11.45-12.15	★ BEST PROJECT IDEA AWARD – Closing Remarks