26th ISPPCC PROGRAM

Tuesday July 8 2025		
11:00 – 15:30	Registration (Trifiletti Theater)	
16:00 -16:20	Opening	
Chair: Antonin Vlcek (J. Hyerovsky Institute, Prague and Queen Mary University London)		
16:20 – 17:00	PL1	**James K. McCusker** (Michigan State University) Probing Reaction Coordinates for Ligand Field-state Interconversion Dynamics
17:00 – 17:20	IN 1	**Alejandro Cadranel** (Friedrich-Alexander-Universität Erlangen-Nürnberg and Universidad de Buenos Aires) High-Energy MLCT States in Ru Polypyridines for Solar-Energy Conversion
17:20 – 17:40	OR1	**Evan Moore** (University of Queensland, St. Lucia, Australia) Synergistic Hetero-TTA: Fact or Fiction?
17:40 – 18:00	OR2	**Julia Weinstein** (The University of Sheffield) Ultrafast structural and spin dynamics in Copper(I) diimine phosphine complexes from femtosecond optical and X-ray spectroscopies
19:00	***Welcome Party***	

Wednesday July 9 2025		
Chair: James McCusker (Michigan State University)		
9:00-9:40	PL2	**Mark E. Thompson** (University of Southern California, Los Angeles) Achieving Short and Long Phosphorescent Lifetimes in Two-Coordinate Coinage Metal Complexes
9:40 – 10:10	KN1	**Javier J. Concepcion** (Brookhaven National Laboratory) Ligand-Based Oxidative and Reductive Catalysis for Water Oxidation and Fuels Generation from CO_2
10:10 – 10:30	IN2	**Licheng Sun** (Westlake University, Hangzhou, China) (Photo)electrochemical water splitting and mechanisms of O-O bond formation—From natural to artificial photosynthesis
10:30 – 11:00	***Coffee Break***	
Chair: Frank Würthner (University of Wuerzburg)		
11:00 – 11:30	KN2	**Felix N. Castellano** (North Carolina State University) Steric and Electronic Influence of Excited State Decay in Cu(I) MLCT Chromophores
11:30 - 11:50	IN3	**Barbara Ventura** (ISOF-CNR, Bologna) Insights into the photophysics of molecular and supramolecular systems based on porphyrins
11:50 – 12:10	OR3	**Petter Persson** (Lund University) Photoactivation Dynamics of Abundant Transition Metal Complexes
12:10 – 12:30	OR4	**Ludovic Troian-Gautier** (Université Catholique de Louvain) Recent Progress in the Understanding and Improvement of Cage Escape Processes using Transition Metal Photosensitizers
12:30 – 12:50	OR5	**Tim Connell** (Deakin University, Victoria, Australia) Maximizing Photon to Product Efficiency in Photoredox Catalysis
Lunch Time		
Chair: Benjamin Dietzek-Ivansic (University of Jena)		
14:50 – 15:30	PL3	**Tanja Weil** (Max Planck Institute for Polymer Research, Mainz) Nanodiamond Sensors to Control Cellular Function
15:30 – 16:00	KN3	**Renske M. Van Der Veen** (Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin and Technical Universitat Berlin) Ultrafast excited-state dynamics of metal-complexes in solution revealed by soft and hard X-ray spectroscopies

16:00-16:20	IR4	**Keith Gordon** (University of Otago) Using metal complexes to open the door to long-lived excited states
16:20 – 16:40	OR6	**Yasuchika Hasegawa** (Hokkaido University) Luminescence Changeable Lanthanide-mixed Coordination Polymers for CO_2-storage
16:40 – 17:10	***Coffee Break***	
Chair: Oliver Wenger (University of Basel)		
17:10 – 17:30	IN5	**Osamu Ishitani** (Hiroshima University) Application of selective photo-splitting of a Mn(0)-Mn(0) bond for developing a highly durable photocatalytic CO_2 reduction using a Mn-complex catalyst
17:30 – 17:50	OR7	**Christina Wegeberg** (University of Southern Denmark, Odense) Captivating Bimolecular Photoredox Dynamics of Ligand-to-Metal Charge Transfer Complexes
17:50 – 18:10	OR8	**Alberto Bossi** (SCITEC-CNR, Milan) Impact of Cis/Trans Geometry on the Photophysical, Electronic, and Structural Properties of Pt(II) Cyclometalated Complexes
18:10 – 18:30	OR9	**Christoph Kerzig** (Johannes Gutenberg University Mainz) Combining the best of organic and inorganic photochemistry with molecular and coulombic dyads
18:30 – 20:00	**POSTER SESSION 1 (even numbers)**	

Thursday July 10 2025

Chair: Felix Castellano (North Carolina State University)		
9:00 - 9:40	PL4	**Antonin Vlcek** (J. Heyrovský Institute of Physical Chemistry Prague and Queen Mary University of London) Vibrational dynamics of electronically excited metal complexes: relaxation, coherence, and ultrafast Raman spectroscopy
9:40-10:10	KN4	**Benjamin Dietzek-Ivansic** (University of Jena) Light driven molecular reactivity – electron and electron-coupled proton transfer in complex environments
10:10 – 10:30	IN6	**Elizabeth R. Young** (Lehigh University) Illuminating the Unexpected Excited-State Dynamics of Non-Aromatic Pd(II) Porphyrinoids
10:30 – 11:00	***Coffee Break***	
Chair: Osamu Ishitani (Hiroshima University)		
11:00 – 11:30	KN5	**Michael O. Wolf** (University of British Columbia, Vancouver) Stimuli-responsive Flexible Lewis Pair Functionalized Coordination Complexes
11:30 – 11:50	IN7	**Oliver Wenger** (University of Basel) New metal complexes in luminescence, photocatalysis and charge accumulation
11:50 -12:10	OR10	**Kristoffer Haldrup** (Technical University of Denmark, Copenhagen) Structural characterization of the $Fe(CN)_6$ → $Fe(CN)_5H_2O$ photo-aquation process
12:10 – 12:30	OR11	**Alessandro Aliprandi** (University of Padova) Redox-Driven Photoselective Self-Assembly
12:30 – 12:50	OR12	**Curtis Berlinguette** (University of British Columbia, Vancouver, and CIFAR, Toronto) π Covalency in the Halogen Bond
Lunch Time		
Chair: Fausto Puntoriero (University of Messina)		
14:50 – 15:20	KN6	**Luisa De Cola** (University of Milan and Mario Negri, Milan) Signal amplification in electrochemiluminescent biosensors

15:20 – 16:00	Joint IN8+OR13	**Elena Galoppini** (Rutgers University), **Gerald J. Meyer** (University of North Carolina at Chapel Hill) Gated Pathway for Photoinduced Interfacial Electron Transfer
16:00 – 16:20	OR14	**Yann Pellegrin** (University of Nantes) Elucidating Chemical Engineering Principles for Achieving High Emission and $^1O_2$ Photogeneration Quantum Yields with Homoleptic Cu(I) Complexes
17:00	EXCURSIONS	

Friday July 11 2025		
Chair: Javier Concepcion (Brokhaven National Laboratory)		
9:00 – 9:40	PL5	**Frank Würthner** (University of Wuerzburg) Supramolecular Engineering of Ruthenium Catalysts toward High Water Oxidation Activity
9:40 – 10:10	KN7	**Max Massi** (Curtin University, Perth) Lanthanoid Sensitisation from Re(I) Triangular Assemblies
10:10 - 10:30	IN9	**Ksenia Glusak** (University of Illinois Chicago and Argonne National Laboratory) Electrochemistry of electrode/graphene nanoribbon hybrid materials
10:30 – 11:00	***Coffee Break***	
Chair: Luisa De Cola (University of Milan and Mario Negri Institute)		
11:00 – 11:30	KN8	**Sherri A. McFarland** (University of Texas at Arlington) Light-Triggered Metallodrugs: Harnessing Excited State Dynamics for Phototherapy
11:30 – 11:50	IN10	**Cecilia Cerretani** (University of Copenhagen) Photophysical characterization and structure determination of DNA-stabilized silver nanoclusters
11:50 – 12:10	OR15	**Paul Elliott** (University of Huddersfield) Photophysical properties of triazolylidene 'abnormal' carbene complexes of Earth-abundant metal ions
12:10 – 12:30	0R16	**Maria Erminia Alberto** (University of Calabria) The role of computational studies in identifying the distinct features of metal-based photosensitizers for photodynamic therapy
12:30 – 12:50	OR17	**Andrea Cannizzo** (University of Bern) Photo-induced oxidation-enhancement in biomimetic Molybdenum photo-catalysts
Lunch Time		
Chair: Elena Galoppini (Rutgers University)		
14:50 – 15:10	IN11	**Jeffrey J. Rack** (University of New Mexico, Albuquerque) A New Look at the Magneto-Optical Activity of Metalloporphyrins
15:10 – 15:30	OR18	**Hartmut Yersin** (University of Regensburg) Ag(I) complexes: From extremely long-lived phosphorescence for oxygen sensing to ultra-short-lived TADF for OLEDs

15:30 – 15:50	OR19	**Paola Ceroni** (University of Bologna) Chiral metal complex for asymmetric photocatalysis
15:50 – 16:10	OR20	**Mathias O. Senge** (Trinity College Dublin) Conformational Engineering and Atropisomerism as Photosensitizer Design Principles
16:10 – 16:30	OR21	**Sujoy Baitalik** (Jadavpur University) Modulation of Photoisomerization Kinetics via Multi-Stage Switching in Ru(II) and Os(II)-Terpyridine Complexes
16:30 – 17:00	***Coffee Break***	
17:00 – 18:30	**POSTER SESSION 2 (odd numbers)**	
20:30	***Social Dinner***	

Saturday July 12 2025		
Chair: Garry Hanan (University of Montreal)		
9:00 – 9:40	PL6	**Kazuyuki Ishii** (The University of Tokyo) Excited-State Spin Dynamics, Chiroptical/Magnetoptical Properties and Soft Crystals in Metal Complexes and Supramolecules
9:40 – 10:10	KN9	**Ken Sakai** (Kyushu University) Molecular Catalysis of Water Splitting and CO_2 Reduction
10:10 – 10:30	IN12	**David Herbert** (University of Manitoba) Beyond Donor Strength: Unconventional Ligand Designs for Optically Interesting 3d Coordination Complexes
10:30 – 11:00	***Coffee Break***	
Chair: Paola Ceroni (University of Bologna)		
11:00 – 11:30	KN10	**Ally Aukauloo** (University Paris-Saclay) Photocatalytic events for CO_2 reduction and oxygen atom transfer
11:30 – 11:50	OR22	**Svetlana Eliseeva** (Center for Molecular Biophysics CNRS, Orleans) Lanthanide(III)-based metallacrowns functionalized with ruthenium(II) complexes for multiplex imaging and oxygen sensing in the NIR-II
11:50 – 12:10	OR23	**Kiyoshi Miyata** (Kyushu University) Dynamic Excited-State Jahn-Teller Distortion in the Al(III) Dinuclear Metal Complexes Observed by Coherent Vibrational Spectroscopy
12:10 – 12:30	OR24	**Janusz M. Dabrowski** (Jagellonian University) Illuminating new pathways in antimicrobial photodynamic therapy: coordination metal complexes and functional materials for enhanced selectivity and efficiency
12:30 – 12:50	OR25	**Mary Pryce** (Trinity College Dublin) Photocatalytic Reduction of CO_2 to HCOOH using a Porphyrin-Rhenium Dyad
Lunch Time		
Chair: Ken Sakai (Kyushu University)		
14:50 – 15:10	OR26	**Damiano Genovese** (University of Bologna) Understanding mechanochromism in CuX-L hybrid coordination polymers

15:10 – 15:30	OR27	**Sandrine Perruchas** (IMN-CNRS, Nantes) Luminescence mechanochromism of copper-based materials
15:30 – 15:50	OR28	**Mirco Natali** (University of Ferrara) Light-driven Catalysis of the CO_2 Reduction Reaction using Heptacoordinated Cobalt and Iron Complexes
15:50 – 16:10	OR29	**Theodore Lazarides** (Aristotle University of Thessaloniki) Estrogen-conjugated $[Ru(bpy)_3]^{2+}$ complexes exhibit selective phototoxicity against breast cancer cells
16:10 – 16:40	***Coffee Break***	
Chair: Sebastiano Campagna (University of Messina)		
16:40 -17:00	OR30	**Ashis K. Patra** (Indian Institute of Technology Kanpur) Modulation of Energy Transfer Pathways in Time-Gated Luminescent Eu(III) and Tb(III) Probes for Sensing and Discrimination of Physiological Phosphates and Biochemical Hazards
17:00 – 17:20	OR31	**Sven Rau** (Ulm University) Highly efficient artificial photocatalysts mimicking Photosystem I
17:20 – 18:00	***Closing***	