COST Action PERSPECT-H_2O

Mini meeting, 18. - 19. November 2013, Vienna

Spin-effects on the ultrafast dynamics of photoactive transition metal complexes

Program Outline

	Monday, 18. Nov.	Tuesday, 19. Nov.	
		I9 Pan	08:30
		I10 Lambert	09:00
		I11 Kupfer/Wächtler (40min.)	09:30
		I12 Hauer	10:10
		Coffee Break	10:40
		I13 Jensen	11:10
		I14 Dietzek	11:40
		I15 Cannizzo	12:10
		Lunch Break	12:40
	Arrival		
14:00	Welcome Note	I16 Renger	14:00
14:10	I1 Chergui	I17 Vlcek	14:30
14:40	I2 Sundström	I18 Zalis	15:00
15:10	I3 Uhlig (20min.)	Concluding Remarks	15:30
15:30	I4 Smolentsev (20min.)	End	15:40
15:50	Coffee Break		
16:20	I5 Daniel		
16:50	I6 Escudero Masa		
17:20	I7 Campagna		
17:50	I8 Crespo-Hernández		
19:30	Social Dinner		
22:30	at Heuriger		

Talks

Monday, 18th November 2013

Session 1: Monday, 14.00 – 15.50
Chair: Leticia González

14.00:	**Leticia González**, University of Vienna (Vienna): Welcome
14.10:	**Majed Chergui**, Ecole Polytechnique Federal de Lausanne (Suisse): Factors determining the ultrafast spin dynamics in metal complexes
14.40:	**Villy Sundström**, University of Lund (Sweden): Fundamental steps of photocatalysis as revealed by ultrafast x-ray science
15.10:	**Jens Uhlig**, European Synchrotron Radiation Facility (France): Superconducting microcalorimeters for time-resolved and other photon-starved x-ray spectroscopies
15.30:	**Grigory Smolentsev**, Paul Scherrer Institut (Switzerland): Time-resolved x-ray absorption spectroscopy to study intermediates of photocatalytic system based on cobaloxime

Session 2: Monday, 16.20 – 18.20
Chair: Etienne Gindensperger

16.20:	**Chantal Daniel**, Université de Strasbourg (France): Ultra-fast intersystem crossing processes in transition metal complexes: a quantum chemical interpretation
16.50:	**Daniel Escudero Masa**, Mülheim MPI (Germany): Unveiling photodeactivation mechanisms on Ir (III) and Pt (II) cyclometalated complexes
17.20:	**Sebastiano Campagna**, Università di Messina (Italy): Photoinduced charge separation in Os terpyridine complexes linked to electron acceptor subunits
17.50:	**Carlos Crespo-Hernández**, Case Western Reserve University (Ohio, USA): Ultrafast excited-state dynamics in Organogold(I) aromatic compounds

Tuesday, 19th November 2013

Session 3: Tuesday, 8.30 – 10.40
Chair: Andrea Cannizzo

8.30:	**Qing Pan**, University of Twente (Netherlands): Spectroscopic studies on the intramolecular charge transfer dynamics: the role of bridging ligands in the Ru/Pd complexes
9.00:	**Christoph Lambert**, Institut für organische Chemie Universität Würzburg (Germany): Photoinduced electron transfer processes in triarylamine–iridium complex-naphthalene diimide triads
9.30:	**Stephan Kupfer & Maria Wächtler**, Institut für Physikalische Chemie, Friedrich Schiller Universität Jena (Germany): 4H-imidazole-ruthenium-polypyridine complexes – promising dyes in the field of light-harvesting
10.10:	**Jürgen Hauer**, TU Wien (Austria): Electronic 2D spectroscopy of ultrafast charge transfer in a Lanthanide-bridged complex

Session 4: Tuesday, 11.10 – 12.40
Chair: Tony Vlcek

11.10:	**Hans Jørgen Aagaard Jensen**, University of Southern Denmark (Denmark): Towards better methods for describing spin states in transition metal complexes
11.40:	**Benjamin Dietzek**, Friedrich Schiller Universität Jena (Germany): Watching a photocatalyst function - spectroscopic implications for the design of supramolecular photocatalysts for the production of H_2
12.10:	**Andrea Cannizzo**, Universität Bern (Suisse): Spin dynamics in ligand-to-ligand charge transfer states

Session 5: Tuesday, 14.00 – 15.40
Chair: Benjamin Dietzek

14.00:	**Thomas Renger**, Johannes Kepler Universität Linz/Physik (Austria): Theory of photosynthetic light-harvesting: a bottom up approach
14.00:	**Tony Vlcek**, Universtiy of London (UK): Peculiar trends in singlet-triplet conversion rates in transition metal complexes
15.00:	**Stanislav Zalis**, Institute of Physical Chemistry (Czech Republic): Quantum chemical modeling of lowest lying excited states in Re(I) carbonyl diimine complexes
15.30:	**Benjamin Dietzek**, Friedrich Schiller Universität Jena (Germany): Concluding Remarks