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KNIHOVNA AV ČR
AK 6663



01318/23



PROGRAMME

Sunday, June 18

- 10:00 Registration in the entrance hall of the J. Heyrovský Institute, refreshment, possibility to leave the luggage and walk in the town
- 15:00 Departure of a special bus from the J. Heyrovský Institute (Dolejškova 3, Prague 8 – Kobylisy)
- 17:30 Arrival, registration at the Castle Třešť
- 18:30 Welcome aperitif
- 19:00 Dinner

Monday, June 19 – morning

from 7:00 Breakfast

8:30

Opening of the 54th Heyrovský Discussion

Martin Hof, director of the J. Heyrovský Institute

Magdalena Hromadová, past-chair of the ISE-Division 6 Molecular Electrochemistry

Douglas Grotjahn

Commemoration of prof. Diane Smith

Technical notes

Chairman Jiří Ludvík

Time	Topic:		Speaker	US	Title of presentation
	Chairman	General			
9:00	Flavio Maran	Kevin Moeller	Daniel Morales-Martinez	IT	From Molecules to Molecular Surfaces and Back Again. Exploiting the Synergy Between Electrochemistry and Synthesis (Introductory lecture)
to 10:00					Electrophotocatalysis: mechanistic insights into the electrochemical reduction of 9,10-dicyanoanthracene

10:00 Coffee break

<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>		<i>Title of presentation</i>
10:30 to 12:15	Neso Sojic	Federico Polo	IT	ECL of Metal Complexes and Bifunctional Organic Dyes: Features, Applications, Pros and Cons <i>(Introductory lecture)</i>
		Guobao Xu	Ch	Single-electrode electrochemiluminescence
		Ludmila Šimková	CZ	(Spectro) Electrochemical Study of Phenyl- substituted Cibalackrot Derivatives – Potential Candidates for Singlet Fission
		Karol Lušpai	SK	Redox Behavior and Anion Radicals of Phenyl- substituted cibalackrot derivatives
12:30	Lunch			
Monday, June 19 – afternoon				
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>		<i>Title of presentation</i>
14:30 to 16:00	Douglas Grotjahn	Daniel Little	US	“Dual Behavior of a Redox Mediator. Oxidation or reduction depending upon the input energy source – electrochemical or photochemical” <i>(Introductory lecture)</i>
		Philippe Lainé	FR	Artificial Photosynthesis & Inversion of Redox Potentials
		Magdaléna Hromadová	CZ	Role of the Potential Inversion in the Reduction of 4,4'-Oligomethylenebipyridiniums. New Insights from a Combined Electrochemical, Spectro-electrochemical and Computational Studies
16:00	Coffee break			
Topic: Spectroelectrochemistry				
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>		<i>Title of presentation</i>
16:30 to 18:00	Peter Rapta	František Hartl	UK	Time-resolved infra-red spectroelectrochemistry: Recent achievements <i>(Introductory lecture)</i>
		Martin Pižl	CZ	Redox behaviour of Ru(II) polypyridyl biosensors: An experimental and theoretical study
		Romana Sokolová	CZ	Application of UV-Vis and IR spectroelectrochemistry in determination of redox mechanism
		Matěj Stočes	CZ	Metrohm: More than electrochemistry - novel possibilities for new discoveries
18:30	Concert (in the courtyard of the castle) Apollon Quartet			
19:30	Dinner			
21:00	Open fire sausage party in the park			

Tuesday, June 20 – morning

from 7:00 Breakfast

Topic: General				Title of presentation
Time	Chairman	Speaker		
8:30 to 10:00	Marie- Noëlle Collomb	Rainer Winter	GE	A Personal Perspective on Mixed-Valent Compounds With Non-Identical Redox Sites: From Delocalization to Valence Tautomerism <i>(Introductory lecture)</i>
		Lars Vogelsang	GE	Ferrocenyl-TATs – Platforms to probe the modification of a molecular switch
		Karolína Salvadori	CZ	Nitro Group as Potential Switch and Probe in Urea-Based Receptors

10:00 Coffee break

				Title of presentation
Time	Chairman	Speaker		
10:30 to 12:00	Jeanet Conradie	Peter Rapta	SK	Redox mechanism of biologically active Cu(II) complexes studied by EPR, UV-vis-NIR spectroscopy and spectroelectrochemistry <i>(Introductory lecture)</i>
		Lucie Koláčná	CZ	Electrochemical Study of Cu(II) Complexes of azamacrocyclic derivatives
		Tomáš Mikysek	CZ	Electrochemical Study on Biomimetic Copper (II) Complexes

12:00 Lunch

13:15 Departure of the bus for the trip:

14:15 Gothic castle Lipnice

16:30 historic town Havlíčkův Brod - Church tower and bells

17:30 Traditional brewery "REBEL" (Havlíčkův Brod) - excursion and degustation

19:30 Dinner in the brewery restaurant

22:30 Expected arrival to the castle

Wednesday, June 21 – morningfrom
7:00 Breakfast

Time	Chairman	Speaker	Title of presentation
8:30 to 10:00	František Hartl	Marie-Noëlle Collomb FR	Photo-induced redox catalysis for hydrogen production with molecular compounds: track intermediates by spectro-electrochemistry and transient absorption spectroscopy <i>(Introductory lecture)</i>
		Alice Barbero IT	Electrochemical Reduction of CO ₂ with Organometallic Catalysts
		Aude Salamé FR	Spectroelectrochemical evidences of Fe-CO intermediates in the CO ₂ catalytic reduction by Fe porphyrins

10:00 Coffee break

Time	Chairman	Speaker	Title of presentation
10:30 to 12:15	Daniel Little	Douglas Grotjahn US	Aspects of Molecular Electrocatalysis of Water Oxidation <i>(Introductory lecture)</i>
		Miguel Ibanez US	Further studies on the effects of electron-donating and -withdrawing groups on water oxidation catalysts with phenanthroline sulfonate and terpyridine ligands on ruthenium
		Alexander Hildebrandt GE	From electronic communication within bimetallic compounds to polymeric charge storage materials
		Anja Rehse GE	Valence Tautomerism in (η^6 -Arene)chromium Triarylmethylidene Dyads

12:30 Lunch

Wednesday, June 21 – afternoonTopic: **New systems**

Time	Chairman	Speaker	Title of presentation
14:30 to 16:00	Kevin Moeller	Flavio Maran IT	Thiolate Protected Gold Nanoclusters and the Hydrogen/Deuterium Puzzle <i>(Introductory lecture)</i>
		Mattia Reato IT	Connecting Atomically Precise Nanoclusters
		Luka Pochkhua US	Proton-coupled Electron Transfer in a Ring Hydrogen-bond System

16:00 Coffee break

Time	Chairman	Speaker	Title of presentation
16:30 to 18:15	Olivier Buriez	James Becker	Isr Anodic Oxidation of Cyclic OrganoSi Compounds <i>(Introductory lecture)</i>
		Hayati Celik	TR Electroanalytical Investigation and Determination of Apixaban
		Alan Liška	CZ Electrochemical investigation of the 14th group acyl compounds
		Alan Liška	CZ PHREEQC plus: speciation modelling in your pocket
18:30	Walk around Třešť		
20:00	Farewell dinner		

Thursday, June 22 – morning

from

7:00 Breakfast

8:30 – 9:00 Please, leave the rooms – check out – put luggage in checkroom

Time	Chairman	Speaker	Title of presentation
9:00 to 10:30	Irena Hoskovcová	Jeanet Conradie	SA Ruthenium(II) complexes containing substituted 2,2':6',2''-terpyridines: is it possible to predict accurate redox potentials with density functional theory methods? <i>(Introductory lecture)</i>
		Rachel Staley	US Degradation Mechanism of a Manganese Catalyst Electrocatalyst and Reporting of a Class of Pyridinium-Based Electrocatalysts
		Milan Sýs	CZ The Electrochemical Oxidation of 17 β -Estradiol in Aqueous Organic Solvent Mixtures Gives Rise to Quinoid Derivatives, Known as Significant Breast Cancer Initiators
10:30	Coffee break		
Topic: New methodologies			
Time	Chairman	Speaker	Title of presentation
11:00 to 11:50	Rainer Winter	Olivier Buriez	FR Development of Original Methodologies Combining Electrochemistry and Luminescence to Investigate Molecular Fluxes Through Phospholipid Membranes <i>(Introductory lecture)</i>
		Neso Sojic	FR Ultrasensitive electrochemiluminescence microscopy of single biological entities: from cells to biomolecules

11:50	Closing remarks
12:00	Lunch
13:00	Departure to Prague
16:00	expected arrival at the Václav Havel Airport Prague
<p>38 oral presentations and 8 posters</p> <p>POSTERS SHOULD BE ON DURING THE WHOLE MEETING IN THE FOYER OF THE CONFERENCE HALL (No special poster session will be organized, discussion may proceed during coffee-breaks and after sessions)</p>	
POSTERS	
Soňa Boháčová CZ	Electrochemical and Mechanistic Study of Photoredox <i>N</i> -Arylation of Pyrazoles Catalyzed by New Acridinium-Derived Catalysts
Colton Breyer US	Methodology for the Analysis of Water Oxidation Electrocatalysts in Absence of Limiting Current
Joel Donkeng Dazie CM	Electrochemical properties of furfural and 5-hydroxymethylfurfural and their reactivity with aliphatic primary (di)amines
Viktoría Ebel GE	Redox Active Diruthenium Metallamacrocycles and their Molecular Conductances
Eliška Jiroušková CZ	Electrochemistry of stimulants 3-fluorophenmetrazine and 4-methylpentedrone
Dylan Karr US	Development of an Electrochemically-Reversible Hydride Transfer Mediator for Organic Synthesis
Jake Kerkhof US	Ruthenium water oxidation electrocatalysts with carboxylate and sulfonate groups in the active site
Alice Kulagová CZ	C ₃ N ₄ (X) electrochemical ammonia oxidation and functionalization with molecular catalysts