

PROGRAMME

Sunday, May 29th

14:00	Registration in the entrance hall of the J. Heyrovský Institute
15:00	Departure of a special bus from the J. Heyrovský Institute (Dolejškova 3, Prague 8 – Kobylisy)
17:00	Arrival at the Castle Třešť, registration
18:30	Welcome drink
19:00	Dinner

Monday, May 30th

7:00-9:00	Breakfast
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9:00 Morning session:

Opening of the Discussion L. Kavan

<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
9:05-10:05	P. Schmuki	U. Diebold	Water on Single-Crystal Metal Oxide Surfaces, Studied at the Atomic Scale.
10:05-10:35		T. Berger	Electron Traps at the Semiconductor Oxide/Electrolyte Interface.

10:35 Coffee break

<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
11:05-11:25	T. Berger	K. Minhová Macounová	Hypochlorite Oxidation on Nanocrystalline RuO ₂ - Unwanted Parasite or Solution for the Planet?
11:25-11:45		P. Dytrych	Shape Selective Photoinduced Electrochemical Behaviour of Thin ZnO Layers Prepared by Surfatron.
11:45-12:15		P. Janda	Should Electrochemists Be Aware of Surface Gaseous Nanobubbles?
12:15-12:35		J. Klíma	Do Nanobubbles Exist in Bulk Liquids? Can We Prepare Them on Demand?

12:45 Lunch

14:30 Afternoon session:

<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
14:30-15:30	P. Klusoň	E. Frackowiak	Mysterious Carbon/Electrolyte Interface at the Nanoscale.
15:30-16:00		O. Frank	Charge and Stress Transfer in Deformed 2D Materials.

16:00 Coffee break

Monday, May 30th			
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
16:30-17:00	E. Frackowiak	M. Kalbáč	Spectroscopy, Chemistry and Spectroelectrochemistry on Graphene.
17:00-17:20		V. Valeš	Functionalized Graphene-Enhanced Raman Scattering
17:20-17:40		S. Hason	How Carbon Nanostructures Based on Graphene and its Oxides Influenced the Electrochemical Detection of Purine Metabolites and Amino Acid Tryptophan in Clinical Body Fluid Samples.
18:00	Concert of Chamber music		
19:00	Dinner		

Tuesday, May 31st			
7:00-9:00	Breakfast		
9:00	Morning session:		
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
9:00-10:00	V. Mortet	Ch. Nebel	Diamond for Bio- and Electrochemical Applications.
10:00-10:20		H. Krýsová	Diamond Photocathodes for Dye-Sensitized Solar Cells.
10:20	Coffee break		
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
10:50-11:20	Ch. Nebel	V. Mortet	Structural and Electrochemical Characterisation of Thick Porous Boron Doped Nano-crystalline Diamond/SiO ₂ Nanofiber Composite Fabricated by Plasma Enhanced Chemical Vapour Deposition.
11:20-11:40		Z. Vlčková Živcová	Electrochemical Characterization of <i>p</i> - and <i>n</i> -type Doped Diamond Electrodes.
12:00	Lunch		
14:00	Walking/biking trip (16 km) to castle Roštejn		
19:00	Garden Barbecue Party		

Wednesday, June 1st			
7:00-9:00	Breakfast		
9:00	Morning session:		
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
9:00-10:00	J. Krýsa	P. Schmuki	TiO₂ Nanotubes : Recent Progress and Application
10:00-10:30		J.Macák	Towards Functionalization of TiO ₂ Nanotubular Layers by Secondary Materials.
10:30	Coffee break		
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
11:00-11:30	U. Diebold	J. Krýsa	Titania and Hematite Photoanodes for Photoelectrochemical Hydrogen Production.
11:30-12:00		P. Krtil	Water Splitting on Illuminated Semiconductors – Surface Sensitivity of the Hydrogen and Oxygen Evolution on Titanium Dioxide Polymorphs.
12:00-12:20		Š. Kment	Enhanced PEC Water Splitting Efficiency of Highly Textured Hematite Photoanodes.
12:30	Lunch		
14:30	Afternoon session:		
<i>Time</i>	<i>Chairman</i>	<i>Speaker</i>	<i>Title of presentation</i>
14:30-15:30	M. Nesládek	J. Janata	Atomic Metals
15:30-15:50		Š. Lachmanová	Expanded Branched Pyridinium Derivatives: Structure – Single Molecule Conductance Relationship.
15:50-16:10		V. Kolivoška	Investigation of Electron Transport through Tower-Shaped Molecular Conductors Based on the Tetraphenylmethane Tripod Stand.
16:10	Coffee break		
16:40-17:10	J. Janata	M. Nesládek	Novel Concept of Electrochemical Sensors Coupled to Nanoscale NV Diamond Color Centre Detection.
17:10-17:40		F. Calle Vallejo	Do Defects Increase or Decrease the Oxygen Reduction activity of Platinum?
17:40-18:00		M. Prokop	Oxygen Reduction on Pt Catalysts in H ₃ PO ₄ Electrolyte at Elevated Temperature.
18:00	Closing Remarks		
19:00	Banquet		

Thursday, June 2nd

from

7:00 Breakfast

9:00 Departure of charter bus to Prague

12:00 Expected arrival to the J. Heyrovský Institute

Keynote

Invited