

34th Heyrovský Discussion
CHEMISTRY ON POLARISED LIQUID-LIQUID INTERFACES

June 10-15, 2001, Třešť Castle

Scientific and Social Program

June 10 (Sunday)

19:00 Welcome party
19:30 Dinner

June 11 (Monday)

7:30 Breakfast
9:00 Opening - Vladimír Mareček
(chairman: of the 34th Heyrovský Discussion)
9:05 **Michael Urbakh**
Ion penetration into "unfriendly medium" and the double layer capacitance of ITIES
10:05 Coffee break
10:30 Discussion & short contributions
Tsuguo Sawada: Dynamic behavior of molecules at liquid/liquid interfaces using the time-resolved quasi/elastic laser scattering (QELS) methods
Zdeněk Samec: Equilibrium salt adsorption studied by quasielastic laser scattering
Stefan Frank: Structure of liquid/liquid interfaces within a lattice gas model
Lasse Murtomäki: Capacitance at the oil water interface: the effect of the oil phase composition
12:30 Lunch
14:00 **Michael Mirkin**
Ion transfer and electron transfer rates measured by steady state voltammetry at nanopipettes
15:00 Coffee break
15:30 Discussion & short contributions
Stefan Wilke: Voltammetric determination of standard Gibbs energies of ion transfer across the water/ NPOE + PVC-gel interface
Michael Barker: Ion transfer across gellified liquid/liquid interfaces using RDC technique
Sorin Kihara: Coupling of ion transfer with electron transfer at the aqueous/membrane interface
19:00 Dinner

June 12 (Tuesday)

7:30 Breakfast
9:00 **Robert M. Corn**
Spectroscopic measurements of liquid/liquid and liquid/thin film interfaces
10:00 Coffee break
10:30 Discussion & short contributions
Henrik Jensen: On the photochemical properties of titanium dioxide nanoparticles at externally biased liquid/liquid interfaces
Alexander Volkov: Coupled electrochemical and photochemical reactions at oil/water interfaces
12:30 Lunch
14:00 Professor Helena Illnerová
(President of the Academy of the Sciences of the Czech Republic)
"Award presentation to professor Mitsugi Senda"

14:15 **Mitsugi Senda**
Ion-transfer voltammetry of drugs

14:45 Coffee break

15:15 **Hubert H. Girault**
Spectro-electrochemical studies of charge transfer reactions across an ITIES

16:15 Break

16:30 Discussion & short contributions
David Fermin: Photo-reactivity at dye sensitised liquid/liquid interfaces
Hirohisa Nagatani: Kinetic studies of adsorption and transfer of ionic species at liquid/liquid interfaces by potential modulated fluorescence spectroscopy

19:00 Dinner

June 13 (Wednesday)

7:30 Breakfast

9:00 **Kyösti Kontturi**
Membrane Activity of Drugs

10:00 Coffee break

10:30 Discussion & short contributions
Koichi Aoki: Electrochemical control of oil-in-water emulsion
Gerhard Gritzner: Ion transfer into solvent mixtures
Jiří Rais: On the Gibbs energies of transfer of univalent ions between two polar solvents
Toshiyuki Osakai: Selective hydration of ions in nitrobenzene

12:30 Lunch

14:00 A half-day trip to places of interest of Moravia
(*Náměšť nad Oslavou, a chateau*)

20:00 Barbecue - party at the open fire

June 14 (Thursday)

7:30 Breakfast

9:00 **Takashi Kakiuchi**
Electrochemistry of chemical reactions at the liquid-liquid interface

10:00 Coffee break

10:30 Discussion & short contributions
Anna Kontturi: Monitoring of the Complexation of Polyelectrolytes
Carlos Pereira: Metal ions sensors based on the assisted transfer at liquid/liquid interfaces

12:30 Lunch

14:00 **David J. Schiffrin**
Charge transfer at molecular interfaces

15:00 Coffee break

15:30 Discussion & short contributions
Vincent Cunnane: Oligomer + polymer formation of selected monomers at electrified L/L interface
Vladimír Mareček: Adsorption and polymerization of surface active pyrrole derivatives
Robert Dryfe: Charge transfer at modified liquid-liquid interfaces

19:00 Banquet

June 15 (Friday)

8:00 Breakfast

9:00 Departure to Prague