

ACADEMY OF SCIENCES OF THE CZECH REPUBLIC
J. HEYROVSKÝ INSTITUTE OF PHYSICAL CHEMISTRY, PRAGUE

43rd Heyrovský Discussion
on
**ELECTROCHEMISTRY OF
ORGANIC MOLECULES AND
COORDINATION COMPOUNDS**



Castle Třešť
Czech Republic
May 30-June 3, 2010 (Sun-Thu)

First Circular

Registration form to be sent before February 28, 2010

ORGANIZERS:

Jiří Ludvík (Chair), Jiří Klíma, Karolina Rulíšková, Ludmila Šimková, Věra Hudská

HISTORY AND PURPOSE

The Heyrovský Discussions have been organized during the last four decades every year by the J. Heyrovský Institute of Physical Chemistry, Academy of Sciences of the Czech Republic in one of the conference centers of the Czech Academy. Originally, the Discussions were held at the Liblice castle, later in castle Bechyně and recently it has taken place at the renaissance castle Třešť in southeastern Bohemia, in an attractive, peaceful locality rich in historical monuments and of beautiful natural scenery. Each year a different field of electrochemistry is selected as the discussion theme. The total number of participants is limited to about 50-60 by the capacity of the Castle.

The general philosophy of the Discussions is to bring together students and young research workers with experienced electrochemists specialized in a certain field, and to let them to present in an informal way their most recent achievements and interpretations with a **special stress on a friendly scientific discussion**.

For this reason the time schedule is more free than that at conventional meetings allowing more space to discussion: the program is divided into several sessions devoted to individual topics. Every session is opened by **an introductory lecture (40 min)**. After that **oral presentations** announced in the program (**15-20 min long**) as well as **short *ad hoc* contributions (5-15 min long)** follow, which are accompanied by free discussion. Each session has a chairman whose duty is a.o. to accept the relevant *ad hoc* contributions and determine their sequence, to follow time and to organize and provoke the discussion. Besides that, contributions in form of posters are also accepted.

In order to allow presentation of the **most recent results**, abstracts of announced oral contributions and posters are required (in electronic form) **only one month in advance** (i.e. until April 25, 2010). Note that the most fresh results presented as *ad-hoc* contributions need no abstracts. Printed proceedings of announced papers (as well as their electronic form) will be prepared before the Discussion (with its own ISBN).

We hope that the 43rd Heyrovský Discussion will contribute to the development of electrochemistry itself, to establishing new cooperative plans and projects as well as to a suited commemoration the 120th anniversary of the birth of professor Heyrovský (1890-1967). Simultaneously, we would like to remember 50 years of laboratory of organic electrochemistry in the J. Heyrovský Institute, with the presence of its founder and promoter, prof. Petr Zuman. We wish that you could enjoy this meeting.

MAIN THEME AND PROPOSED DISCUSSION TOPICS:

Every year new organic molecules and organometallic or coordination compounds are synthesized for special purposes: catalysts, non-linear optics, liquid crystals, synthetic precursors, mimics for biological systems, contrast agents for diagnostics and imaging, dyes, pharmaceuticals, etc.

Electrochemical investigation of such molecules is the main theme of this Heyrovský Discussion.

- * redox mechanistic studies of organic and coordination compounds
- * electrochemical studies of aromaticity, electron delocalization, electronic conductivity, localization of redox centers
- * electrochemistry and chirality
- * investigation of units for supramolecular devices and molecular wires
- * investigation of dendrimers
- * investigation of host-guest relationship
- * investigation of (photo-) electrochromism
- * use of electrochemical probes and markers
- * models of active centres in biomolecules
- * bond activation by ET for (electro)synthetic purposes
- * generation and characterization of radical intermediates
- * electrochemically generated luminescence
- * combination of electrochemistry with spectroscopic techniques
- * correlation of experimental data with theoretical calculations

and others related problems

DATE AND PLACE:

- Arrival at the Castle: **Sunday May 30, 2010 afternoon** (before dinner)
(A special bus will depart from the J. Heyrovský
Institute, Prague, around 15.00 on Sunday)
- Departure from the Castle: **Thursday June 3, 2010** (the time will be specified later)
with a direct connection to the Prague Airport

The castle (chateau) Třešť is located in the small town Třešť, about 15 km south of Jihlava (which is situated on the highway D1 Prague-Brno)

CONGRESS FEE

The fee will cover all **organizing costs**, the **transport** from/to Prague, the **accommodation** in single or double rooms with bathroom, **full board**, welcome **cocktail**, a **concert**, a **half-day trip** to monuments of Southern Bohemia and Moravia, the **closing banquet** and **refreshments** during the coffee breaks.

Full participants: **450.- EUR** if paid before April 15, 2010 (early payment)
490.- EUR if paid after April 15, 2010 or on the spot (late payment)

Students, and accompanying persons: **250.- EUR**

Post doc with a stipend (without permanent position) will be considered as a student

Payment by a bank transfer, by VISA cards or Eurocards, by a bank cheque or in **cash** upon arrival at the registration office. (details in the www pages or upon request).

IMPORTANT DATA:

Please, fill in the enclosed preliminary registration form and send it to the organizers before **February 28, 2010**.

During **March 2010** the second circular with the proposed program of 43rd Heyrovský Discussion and with other important information will be distributed (only to the pre-registered participants)

April 15, 2010 is the deadline for „Early bird“ payment

April 15, 2010 is the deadline for Abstracts in electronic form

During **May 2010** an e-mail letter will be distributed with the final program and other necessary details

FURTHER INFORMATION (WILL BE CONTINUOUSLY COMPLETED AND UPDATED):

<http://www.jh-inst.cas.cz/~hdisc/>

Dr. Jiří Ludvík, assoc. professor
J. Heyrovský Institute of Physical Chemistry
Academy of Sciences of the Czech Republic
Dolejškova 3, 182 23 Prague 8, Czech Republic
Phone: (+420) 266 053 217 Fax: (+420) 286 582 307
E-mail: jiri.ludvik@jh-inst.cas.cz



Jiří Ludvík

on behalf of the Organizing Committee