

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

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**50<sup>th</sup>** Heyrovský Discussion  
on  
**MOLECULAR ELECTROCHEMISTRY  
IN ORGANIC AND  
ORGANOMETALLIC RESEARCH**



Castle Třešť  
Czech Republic  
**June 18-22, 2017 (Sun-Thu)**

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First Circular

## ORGANIZERS:

Jiří Ludvík (Chair), Ludmila Šimková, Alan Liška, Miroslava Guricová (J. Heyr. Inst.)  
Irena Hoskovcová (University of Chem. Technol. Prague)

## HISTORY AND PURPOSE

The Heyrovský Discussion have been organized during the last five decades every year by the J. Heyrovský Institute of Physical Chemistry, Academy of Sciences of the Czech Republic. Each year a different field of electrochemistry is selected as the discussion theme. **The special feature of this year's meeting** is to bring together organic, organometallic and coordination electrochemists and to discuss the redox **mechanisms in electrosynthesis, electrocatalysis and, generally, in transformation of significant molecules.**

The general philosophy of the Discussions is to invite experienced scientists specialized in a certain field together with students or young research workers, and to let them to present in an informal way their most recent electrochemical achievements and interpretations with a **special stress on broad and friendly scientific discussion.** (The total number of participants is limited to about 50-60 by the capacity of the Castle).

For this reason the time schedule is more free than that at conventional meetings allowing more space to discussion: the program (without fixed time slots) 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. The chairing person plays an important role here, since in the frame of a session he has to follow time and simultaneously to provoke and coordinate discussion. Posters will be exhibited and discussed during whole meeting in foyer.

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 May 15, 2017). 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).

## MAIN THEME AND PROPOSED DISCUSSION TOPICS:

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

**Understanding of mechanisms of action or transformation of such molecules is the main theme of this jubilee Heyrovský Discussion.**

## Subtopics:

- \* relationship between structure and redox properties
- \* bond activation by ET for (electro)synthetic purposes
- \* molecules with multiple redox centers
- \* electrochemical studies of intramolecular electronic communication, aromaticity
- \* electrocatalytic principles and mechanisms
- \* push-pull systems, HOMO-LUMO gap
- \* stereoelectrochemistry – redox properties affected by conformation change
- \* electrochemistry and chirality
- \* host-guest interaction and units for supramolecular devices
- \* (photo-) electrochromism
- \* use of electrochemical probes and markers
- \* mimicking of active centres in biomolecules
- \* generation and characterization of radical intermediates
- \* electrochemically generated chemiluminescence (ECL)
- \* combination of electrochemistry with spectroscopic techniques (*in-situ*, *on-line*)
- \* correlation of experimental data with theoretical calculations  
and others related problems

## DATE AND PLACE:

The Heyrovský Discussion will start **at the Castle on Sunday June 18, 2017 at about 18:30 by a "welcome drink" followed by the dinner.**

A special charter bus will depart from the J. Heyrovský Institute **at 15.00 on Sunday**, (expected arrival at the Castle at 17:30)

Departure from the Castle: **Thursday June 22, 2017 at about 13:30** (after lunch) with a direct connection to the Prague Airport (expected arrival at the airport at 16:30).

**The renaissance castle (chateau) Třešť** is located in the small town Třešť, in south-eastern Bohemia about 15 km south of Jihlava (which is situated on the highway D1 Prague-Brno), in an attractive, peaceful locality rich in historical monuments and of beautiful natural scenery.

## CONGRESS FEE

The fees below (VAT included) cover all **organizing costs**, the **transport** from/to Prague, the **accommodation** in single or double rooms with bathroom for four nights, **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: **520.- EUR** if paid before April 30, 2017 (early payment)  
**570.- EUR** if paid after April 30, 2017 or on the spot (late payment)

Students, post-docs with a stipend (i.e. without permanent position) and accompanying persons:           **290.- EUR** (early payment)  
  **350.- EUR** (late payment)

**Payment is possible:   a) in advance by bank transfer**

Account Number           478572593  
Bank Code                0300  
Account Holder            [Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.](#)  
Variable Symbol         906517  
IBAN                       CZ53 0300 0000 0004 7857 2593  
SWIFT (BIC)               CEKOCZPP  
Bank Name                ČSOB a.s.  
Bank Address             Na Příkopě 18, 115 20 Prague 1, Czech Republic  
The Message for the Recipient:     Name of participant(s)

**b) in cash upon arrival at the registration office.**

The following data are necessary for issue of the invoice (upon request):

First name and surname of participant(s),  
Exact name of the payer (organization), VAT No. (if you are VAT payer)  
Full address (street including No., City), postcode, country;     contact E-mail of the payer

**Bank charges are to be paid by the payer (OUR - charge code), the SEPA rules are accepted within the EU (SHA – charge code).**

### IMPORTANT DATA:

**April 30, 2017**       – deadline for registration and „Early bird“ payment  
**May 15, 2017**       – deadline for Abstracts in electronic form  
**end of May 2017**   – the second circular with detailed information and with the final program will be distributed to the registered participants

**Before and/or after the 50th HD (June 18-22, 2017) you can enjoy Prague** - the organizers can book for you a suitable accommodation in advance upon request.

### FURTHER INFORMATION

<http://www.jh-inst.cas.cz/~hdisc/2017/>  
or by e-mail: [jiri.ludvik@jh-inst.cas.cz](mailto:jiri.ludvik@jh-inst.cas.cz)

Looking forward to your participation,



Jiří Ludvík

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