

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

54th Heyrovský Discussion
on
MOLECULAR
PHOTO-SPECTRO-ELECTROCHEMISTRY,
MECHANISMS AND ELECTROSYNTHESIS



Castle Třešť, Czech Republic
June 18-22, 2023 (Sun-Thu)

First Circular
registration – payment details

ORGANIZERS:

Jiří Ludvík (Chair), Ludmila Šimková, Alan Liška, Karolína Salvadori (J. Heyrovský Inst.)
Irena Hoskovcová (University of Chem. Technol. Prague)

HISTORY AND PURPOSE

The Heyrovský Discussion have been organized during the last five decades every year (with the recent interruption due to the pandemy) 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 total number of participants is limited to about 50-60 by the capacity of the Castle.

The special feature of this year's meeting is to bring together organic, organometallic and coordination electrochemists and to discuss the combination of electrochemistry with other methods: photoelectrochemistry and various spectroelectrochemical techniques with the stress on photo-redox mechanisms in transformation of 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.**

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 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, 2023). 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: **electro-photo chemistry and catalysis, mimics for photobiological systems, contrast agents for diagnostics and imaging, dyes for transformation of solar energy, electrochemically generated luminescence, non-linear optics, liquid crystals, synthetic precursors**, etc.

The understanding of mechanisms of action or transformation of such molecules is the main theme of this Heyrovský Discussion.

Subtopics:

- * relationship between structure and (photo)redox properties
- * photo-redox bond activation for (electro)synthetic purposes
- * molecules with multiple redox centers
- * electrochemical studies of intramolecular electronic communication
- * electrosynthesis, electrocatalysis and mechanisms
- * electrochemistry and singlet fission
- * 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 photoredox active centres in biomolecules
- * generation and photochemistry 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:

Arrival at the Castle: **Sunday June 18, 2023 afternoon** (before dinner)

(A special bus will depart from the J. Heyrovský Institute, at 15.00 on Sunday)

Departure from the Castle: **Thursday June 22, 2023** (after lunch)

with a direct connection to the Prague Airport

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

CONGRESS FEE

The fee will cover the **accommodation** in single or double rooms with bathroom for **four nights** (4-5 stars), **full board**, welcome **cocktail**, a **concert**, a **half-day trip** to monuments of Southern Bohemia/Moravia, the **closing banquet**, **refreshments** (coffee breaks), **transport** from/to Prague, **meeting rooms**, **audio**, **posters** and all other **organizing costs**, including **book of abstracts**.

Full participants: **850.- EUR** if paid before April 30, 2023 (early payment)

890.- EUR if paid after April 30, 2023 or on the spot (late payment)

Students, post-docs with a stipend (i.e. without permanent position) and accompanying persons:

490.- EUR (early payment)

550.- EUR (late payment)

Before and/or after the HD2023 you can enjoy Prague - the organizers can suggest or book for you a suitable accommodation in Prague in advance upon request.

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 906523
IBAN CZ53 0300 0000 0004 7857 2593
SWIFT (BIC) CEKOCZPP
Bank Name, Address ČSOB a.s., 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 desk.

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:

- February 2023** – the invitation letter, first circular with registration form and payment details will be distributed
- April 30, 2023** – registration and deadline for „Early bird“ payment
- May 15, 2023** – deadline for Abstracts in electronic form
- end of May 2023** – the second circular with detailed information and with the final program will be distributed to the registered participants
- June 18-22, 2023** – **53rd Heyrovský Discussion**

Please, answer now (simply by e-mail), if you plan to participate, if you wish to receive next information. Since the capacity of the castle is limited, your preliminary interest or acceptance of the invitation helps a lot the organizers in further planning.

FURTHER INFORMATION

<http://www.jh-inst.cas.cz/~hdisc/2023/>

or by e-mail: jiri.ludvik@jh-inst.cas.cz

Many thanks.



Jiří Ludvík

on behalf of the Organizing Committee

December 29, 2022