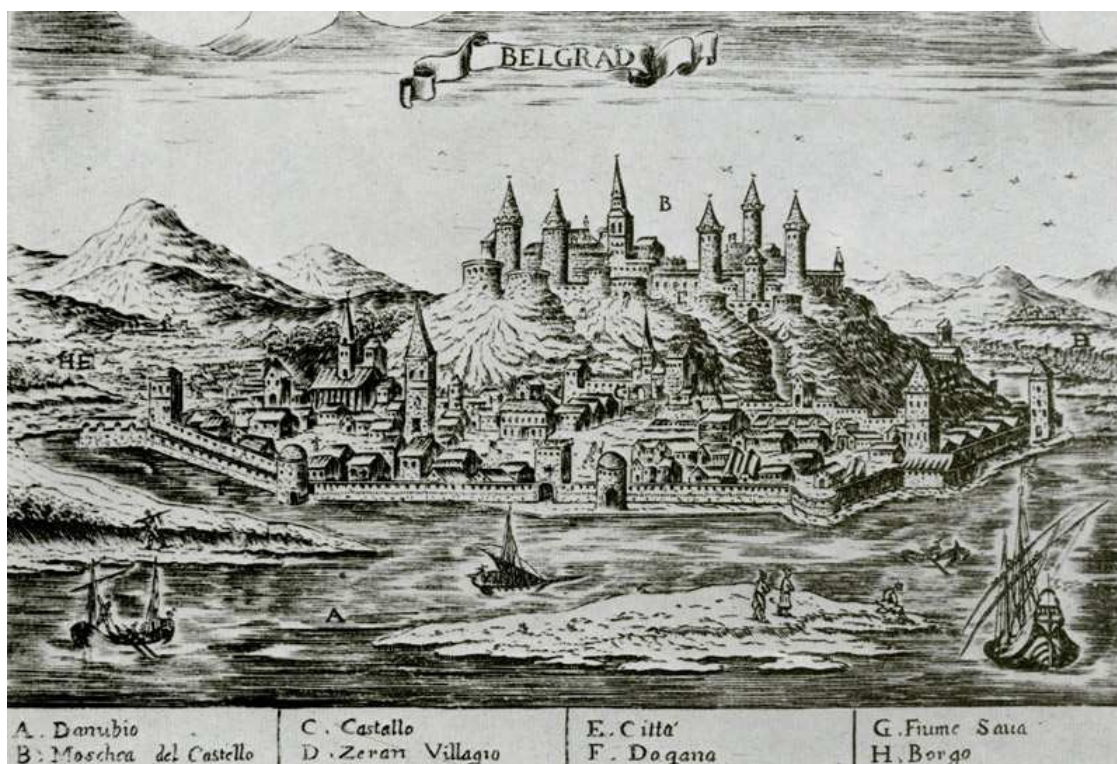


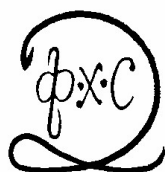


Society of Physical Chemists of Serbia
Third Circular

PHYSICAL CHEMISTRY 2016

*13th International Conference on
Fundamental and Applied Aspects of
Physical Chemistry*





PHYSICAL CHEMISTRY 2016

*13th International Conference on
Fundamental and Applied Aspects of
Physical Chemistry*

Organized by

*The Society of Physical Chemists of
Serbia*

in co-operation with

Institute of Catalysis Bulgarian Academy of Sciences

and

*Boreskov Institute of Catalysis Siberian Branch of
Russian Academy of Sciences*

and

University of Belgrade, Serbia:

*Faculty of Physical Chemistry
Institute of Chemistry, Technology and Metallurgy
Vinča Institute of Nuclear Sciences
Faculty of Pharmacy*

and

Institute of General and Physical Chemistry, Belgrade, Serbia



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Vice-chairman: M. Gabrovska (Bulgaria)
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Program

Conference Venue

The conference will be held at the Rectorate of the University of Belgrade, situated in the Captain Miša's Mansion (Kapetan Mišino Zdanje). Address: Studentski trg 1, Belgrade.





PHYSICAL CHEMISTRY 2016

Registration

Registration desk will be located in the Entrance Hall of the Rectorate of the University of Belgrade, and it will be opened all time during the Conference.

Opening – MAIN HALL

26 September	Opening and Plenary lectures Start at (09:30)
27 September	Section Lectures, Oral and poster Presentations
28 September	Excursion
29 September	Section Lectures, Oral and poster Presentations
30 September	Section Lectures, Oral and poster Presentations Closing Session (at about 17:00)

Topics

A	Chemical Thermodynamics
B	Spectroscopy, Molecular Structure, Physical Chemistry of Plasma
C	Kinetics, Catalysis
D	Nonlinear Dynamics, Oscillatory Reactions, Chaos
E	Electrochemistry
F	Biophysical Chemistry, EPR Investigations of bio-systems, Photochemistry, Radiation Chemistry
G	Radiochemistry, Nuclear Chemistry
H	Material Science
I	Solid State Physical Chemistry
J	Macromolecular Physical Chemistry
K	Environmental Protection, Forensic Sciences, Geophysical Chemistry
L	Phase Boundaries, Colloids, Liquid Crystals, Surface-Active Substances
M	Complex Compounds
N	General Physical Chemistry
O	Pharmaceutical Physical Chemistry
P	Education, History
Q	Food Physical Chemistry
R	Physico-Chemical Analysis
S	Free Topic



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Oral presentations

The Power Point presentation must be available on CD-Rom or flash memory. Optionally, laptop can be used. Overhead projector will be available.

Poster presentation

The posters should be mounted on the board 0.80m wide and 1.20m high.

Tentative List of Invited Lecturers:

Plenary Lectures

- Antonio Cricenti (Italy)
Biomedical and Material Science Applications by Scanning Near-field Optical Infrared Microscopy
- Monika Fleischer (Germany)
Nanofabrication and spectroscopy of plasmonic nanocones
- Vilmos Gáspár (Hungary)
Dynamical Instabilities in Electrochemical Systems
- Katica Hedrih (Serbia)
Universal method across different area of sciences and transient of knowledge flows
- Ulrich Kortz (Germany)
Polyoxometalate Chemistry: From Synthesis and Structure to Catalysis and Biomedicine
- Tatjana Parac Vogt (Belgium)
Polyoxometalate complexes as artificial metalloenzymes
- David Parker (UK)
PARASHIFT MRI: a challenge to shift and relaxation theory
- Igor Pašti (Serbia)
First principles insights in graphene functionalization for energy conversion applications
- Vladana Vukojević (Sweden)
FCS: The development of methods and applications in biomedical research

Sectuion Lectures

- Gordana Ćirić-Marjanović (Serbia)
Nanostructured polyanilines and their carbonized forms: synthesis, characterization and application
- Nenad Filipović (Serbia)
Mathematical modeling of plaque formation and progression
- Lente Gábor (Hungary)
Fallacies in reaction kinetics
- Elmar Fuchs (Netherlands)
Protons in an aqueous electrohydrodynamic liquid bridge
- Beata Kalska-Szostko (Poland)
Magnetic nanostructures



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- Teresa Kowalska (Poland)
Possibilities and limitations of selected analytical tools to trace non-linear chemical processes
- Stevan Maćešić (Serbia)
Advances in the modeling of the oscillating chemical reactions
- Katarina Novaković (UK)
From small to large molecule substrates in oscillatory carbonylation
- Bogdan Novakovski (Poland)
Reaction-diffusion model for embryo morphogenesis
- Robert Sandulescu (Romania)
Natural and biomimetic receptors for biosensor design
- Guy Schmitz (Belgium)
I₂O preparation and reactions in aqueous solutions
- Igor Schreiber (Czech Republic)
Network motifs and mechanisms for oscillatory dynamics of biochemical reactions
- Jelena Savović (Serbia)
Laser-Induced Breakdown Spectroscopy
- Nikolaj Stepanov (Russia)
Van Vleck perturbation theory in vibrational problems
- Erik Szabo (Hungary)
Oxygen Production in Bray-Liebhafsky Reaction: Genetic Algorithm Search for Improved Agreement of a Model with Experiment
- Zoran Šaponjić (Serbia)
Ferromagnetic behavior of Mn²⁺ doped titania nanotubes
- Radmila Tomovska (Spain)
Water-borne polymer and composite nanostructured particles
- Ágota Tóth (Hungary)
Spatiotemporal instabilities induced by electric field
- Aleksey Vedyagin (Russia)
Study of MgO transformation into MgF₂ in the presence of CF₂Cl₂
- Slobodan Zdravković (Serbia)
Microtubules: dynamics, soliton waves, some roles in the cell

(List is not exhaustive)

Contributed papers

The papers will be divided into oral and poster presentations. The Scientific Committee retains the option of deciding on the presentation form, based on the number/type of contribution, but will try to take into account the author's expressed preference.



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Paper preparation

The papers should be submitted electronically by e-mail (paper13@socphyschemserb.org) before **May 31, 2016**. For the papers received after that deadline the publication in the Conference Proceedings cannot be guaranteed. The authors are limited to no more than three contributions and one invited lecture (*Plenary* and *Section lectures*). Invited lectures will be printed in full-length (**eight pages**) and the papers of other participants in **strict four-pages**.

For complete information please see the attachment **Instructions for paper**.

Duration of presentation

<i>Plenary lectures:</i>	45 minutes
<i>Section lectures:</i>	30 minutes (25-minute presentation followed by 5 minutes of discussion)
<i>Oral presentation:</i>	15 minutes (10- minute presentation followed by 5 minutes of discussion)
<i>Posters:</i>	60 minutes. Poster dimension should be 80 cm wide, 100 cm high

Language

The official language of the conference will be English.

Publication

All contributed papers accepted for the Conference, will be published in the Conference Proceedings.

The Scientific Committee will invite the Authors of selected papers to prepare original manuscripts for the publication in the ***Russian Journal of Physical Chemistry***.

Deadline for Submission of papers

May 31. 2016.



PHYSICAL CHEMISTRY 2016

Financial support and Registration fee of the Conference

Financial Support to Conference organization would ensure free registration for a limited number of participants. For Institutional or other kinds of donor support, please consult the Organizing Committee: information@socphyschemserb.org

Registration fee

After deadline

For all participants.....**180 EUR**

Domestic participants should use the following payment instructions:

The amount of local currency payments is calculated according to the daily exchange rate of EUR on the day of payment. For the pro-forma invoice please send request to the Organizing Committee: information@socphyschemserb.org

Purpose of payment: Registration fee of the Conference
Beneficiary Customer: DRUŠTVO FIZIKOHEMIČARA SRBIJE, Studenski trg 12-16, 11000 Beograd, Serbia
Account of the Society: 200-2712770101033-69

Foreign participants should use the following payment instructions:

Intermediary Bank:

Name: DEUTSCHE BANK AG
Address: Frankfurt am MAIN
SWIFT code: DEUTDEFF

Beneficiary Bank:

EUR
Name: BANKA POŠTANSKA ŠTEDIONICA AD
Address: 11000 Beograd, Serbia
SWIFT code: SBPORSBG

Beneficiary Customer:

IBAN number: RS35200271277010100362
Name: DRUŠTVO FIZIKOHEMIČARA SRBIJE
Address: Studenski trg 12-16, 11000 Beograd, Serbia

Correspondence

For Registration: registration13@socphyschemserb.org
For Paper: paper13@socphyschemserb.org
For Information: information@socphyschemserb.org



PHYSICAL CHEMISTRY 2016

Where We Are

Here are some instructions how to reach the Belgrade Center, the Royal Hotel and Conference Venue, coming from the Belgrade Airport.

- You can take the bus from the airport (see more [here](#)).
- Line **72** will take you to the Zeleni Venac, and if you take line **A1**, it goes to the Slavija Square. Zeleni Venac is close to both Royal Hotel and Rectorate, but only if you are not afraid from uphill walking.
[Directions on Google Maps](#)
Slavija is further away, but you can use any bus or trolleybus going in right direction — towards the Kalemegdan (lines 19, 22, 29, 31).
[Directions on Google Maps](#)
- It is much easier if you take a taxi from the airport, but it costs about 15-20 EUR. Please read the instruction for this option, too! (see more [here](#))
- You will need about 5 min walking from the Royal Hotel to the Conference Venue at the Studentski trg 1 – Rectorate of the University of Belgrade (Captain Miša's Mansion).
[Directions on Google Maps](#)



*Dear colleagues,
welcome to Belgrade*