

FIRST ANNOUNCEMENT



31st Summer School and International Symposium on the Physics of Ionized Gases

Belgrade, Serbia (05.09. - 09.09.2022)



GENERAL INFORMATION

Dear Colleagues,

The Organizing Committee is pleased to inform you that the **31st Summer School and International Symposium on the Physics of Ionized Gases (SPIG 2022)** will be held in Belgrade, Serbia, in the period 05 – 09 September, 2022.

The SPIG 2022 follows a longtime tradition initiated 60 years ago. The Conference covers a wide range of topics from fundamental studies to applications of ionized gases.

The 5th workshop on X-ray and VUV Interaction with Biomolecules in Gas Phase (5th XiBiGP), organized in collaboration with the SOLEIL synchrotron (France) will be associated to the conference.

Due to the ongoing COVID 19 pandemic, **SPIG 2022** will be held in a format which allows participants to choose between **virtual** and **regular** (on-site) attendance.

Participants who choose to attend **SPIG 2022 virtually** will still be able to present their work, listen to all other presentations, and take part in discussions. Further details on virtual attendance will be announced on the official SPIG 2022 website.

Participants can also attend **SPIG 2022 regularly**, i.e., on-site, which we encourage. Therefore, all participants registered for virtual attendance can upgrade their participation to a regular one.

All necessary measures will be taken in order to provide a safe environment for regular participants.

TOPICS

Section 1.

ATOMIC COLLISION PROCESSES

- 1.1. Electron and Photon Interactions
with Atomic Particles
- 1.2. Heavy Particle Collisions
- 1.3. Swarms and Transport Phenomena

Section 2.

PARTICLE AND LASER BEAM INTERACTION WITH SOLIDS

- 2.1. Atomic Collisions in Solids
- 2.2. Sputtering and Deposition
- 2.3. Laser and Plasma Interaction with Surfaces

Section 3.

LOW TEMPERATURE PLASMAS

- 3.1. Plasma Spectroscopy and
Other Diagnostic Methods
- 3.2. Gas Discharges
- 3.3. Plasma Applications and Devices

Section 4.

GENERAL PLASMAS

- 4.1. Fusion Plasmas
- 4.2. Astrophysical Plasmas
- 4.3. Collective Phenomena

SCIENTIFIC PROGRAMME

The programme of the SPIG2022 will consist of Plenary Invited Lectures (45 min), Topical Invited Lectures (30 min), Progress Reports (20 min) and Contributed Papers (poster presentations), as well as XiBiGP workshop lectures (30 min). The Proceedings of Contributed Papers and Abstracts of Invited Lectures and Progress reports will be published and available before the Conference. Contributed Papers will be refereed by the Scientific Committee. The Book of Invited Lectures and Progress Reports will be published after the Conference.

The official language of the Conference is English.

COMMITTEES

SCIENTIFIC COMMITTEE

D. Ilić (Co-chair), Serbia
V. Srećković (Co-chair), Serbia

A. Antoniou, Greece
D. Borka, Serbia
J. Burgdörfer, Austria
J. Cvetić, Serbia
V. Guerra, Portugal
M. Ivković, Serbia
K. Kutasi, Hungary
I. Mančev, Serbia
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V. Milosavljević, Serbia
K. Mima, Japan
Z. Mišković, Canada
L. Nahon, France
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ORGANIZING COMMITTEE

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N. Sakan

ORGANIZED BY:



University of Belgrade
The School of Electrical Engineering



University of Belgrade
Faculty of Physics



Serbian Academy of
Science and Arts

CONTACT

Website: www.spig2022.ipb.ac.rs

Official Conference e-mail: spig2022@ipb.ac.rs

Chairs: J. Cvetić (cvetic_j@etf.rs), B. Obradović (obrat@ff.bg.ac.rs)

Secretaries: M. Ignjatović (ignjatovic@etf.bg.ac.rs), L. Gavanski (lazar.gavanski@df.uns.ac.rs)

The official technical organizer of the Conference is the [PanaComp Agency](#)

IMPORTANT DATES

Early registration: May 15, 2022

Contributed papers and Abstracts of Invited lectures: **May 15, 2022**

Second Announcement: **May 15, 2022**

Final Announcement: **August 01, 2022**

Proceedings manuscripts submission: **September 10, 2022**

REGISTRATION AND CONFERENCE FEES

Type	Before May 15, 2022	After May 15, 2022
Regular	EUR 250	EUR 350
Students	EUR 200	EUR 250
Accompanying persons	EUR 50	EUR 80
5 th XiBiGP Workshop (only)	EUR 75	EUR 100
Virtual participation	EUR 50	EUR 80

Participants are encouraged to register as soon as possible, via the conference website and to use bank transfers for registration fee payments. The [PanaComp Agency](#) will send an e-mail with details about the payment instruction*. Exceptionally, the payment will be possible in cash at the registration desk. The registration fee includes conference proceedings and printed material, organized bus-transportation on the arrival/departure day, welcome party, coffee breaks, and conference dinner.

The Organizers will try to provide partial support to students and early stage researchers. For further information please visit the Conference webpage www.spig2022.ipb.ac.rs or send an e-mail to the Organizers.

LOCATION AND VENUE

Serbian Academy of Sciences and Arts, Knez Mihajlova 35, Belgrade, Serbia.

ABOUT BELGRADE

Belgrade (Beograd-its name in Serbian translates to White City) is the capital and the largest city in Serbia having about 2 million inhabitants. With 7000 year long history Belgrade is one of the oldest cities in Europe. The city is situated on the Balkan Peninsula at the confluence of two international rivers, Sava and Danube. Due to favorable geographical position, Belgrade has been exposed to numerous invaders. Many civilizations have left their mark on the city.

Today, Belgrade is the capital of Serbian culture, education, science and economy. There are streets, squares, monuments, parks, drinking fountains, archeological sites and other cultural assets that deserve recommendation. With impressive views over the Danube and Sava rivers, the Belgrade Fortress and the Kalemegdan Park together represent a cultural monument of exceptional importance, the area where various sports and cultural events take place. Skadarlija, the old bohemian quarter is reminiscent of the late 19th and early 20th century time period in Belgrade. It was back then when its taverns and restaurants (the oldest and the most famous are legendary restaurants "Tri šešira", "Ima dana" and "Dva jelena") were a meeting place for many of the greatest figures of the cultural scene of the period. It is often compared with the Montmartre in Paris, both for its appearance and the cheerful, vigorous artists' atmosphere. Belgrade is famous for its exciting night life. One of the biggest tourist attractions in the summertime is Ada Ciganlija, an island on the river Sava, where one can go for a swim and also enjoy numerous sports and recreational facilities.

The official language is Serbian, while visitors from abroad can use English to communicate.

*Please note that all official communication from the Organizers is done through e-mails or Conference webpage. Any phone call from an agency, presenting as an organizer and offering help with the hotel booking, should be ignored.

