

International Meeting on Data for Atomic and Molecular Processes in Plasmas: Advances in Standards and Modelling, November 12-15, 2024

Dear Colleagues,

The Organizing Committee is pleased to inform you that the **International Meeting on Data for Atomic and Molecular Processes in Plasmas: Advances in Standards and Modelling** will be held in the period November 12-15, 2024, at “Hotel Prezident – Palić“, Palić, Serbia. The meeting covers a wide range of topics from fundamental studies to applications.

The official meeting website (<https://aspectro.ipb.ac.rs/2024/index.htm>) will be used for all meeting activities including informations and registration. The meeting is planned to have Lectures, Progress Reports and Poster presentations. Additionally, participants will work on the special mini-projects. One of the aims of the meeting is to work on mini projects in order to start collaboration between groups.

Scientific Rationale

Efficiency of theoretical analysis, synthesis and modeling of various environments, depends on atomic data and their sources. In particular, for the modeling of stellar atmospheres and opacity calculations a large number of atomic data is needed, since we do not know a priori the chemical composition of a stellar atmosphere. The same holds for Earth observations. Consequently, the development of databases with atomic data as well as astro-geoinformatics is important. This meeting will bring together physicists, astro & geophysicists from Serbia and elsewhere to review the present stage of research in this field. The meeting is planned as an opportunity to consider the above-mentioned aspects of spectroscopic research on plenary sessions and then to work on the special mini-projects, which will result in common papers to be published in international scientific journals.

Organizer

Institute of Physics Belgrade

Deadline for registration, abstracts and contributed papers submission: October 15, 2024

Please send the registration form and contributions via email to: aspectro.conf@gmail.com

Registration fee is 100 EUR (students 80 EUR)

Within each section, mini-projects with a paper in international journal as the objective, can be submitted, with an abstract and a list of proposed participants.

Publications

Contributions based on selected research presented during this meeting, can be submitted for publication in two reputable international journals and will undergo rigorous review process:

* Advances in Space Research (ASR) - within special topical issue entitled:

“Astrophysical Spectroscopy and Data in Investigation of the Laboratory and Space Plasmas“ - contributions’ submission deadline January 31, 2025 and

** Contributions of the Astronomical Observatory Skalnaté Pleso (CAOSP) - within special topical issue with contributions’ submission deadline December 15, 2024.

Instructions for preparing contributions are given on the meeting website.

Accommodation

The venue is at “Hotel Prezident – Palić“. The organizers secured a limited number of rooms in this hotel, so participants are kindly requested to contact the hotel directly regarding accommodation, indicating this scientific meeting (www.hotelprezident.com, e-mail: info@hotelprezident.com). Capacities will be filled on a first-come, first-served basis until full, so participants are kindly asked to please keep in mind that organizers will not provide any additional or optional accommodation.

Prices*:

Single room (bed and breakfast) - approx. 5800 RSD (approx. 50 €), per person, per day.

Double room (bed and breakfast) - approx. 4600 RSD (approx. 40 €), per person, per day.

Tax per person, per day - 130 RSD (approx. 1 €)

* Please contact the hotel directly for details.

REGISTRATION FORM

Name:

Affiliation:

E-mail:

I will participate in mini-projects: Yes No

I propose Mini-project Yes No

If Yes, please attach title, list of participants and abstract.

I propose a Lecture___ Progress Report___ Poster___ Yes No

If Yes, please attach title/titles and abstract/abstracts

Scientific Organizing Committee

Vladimir A. Srećković, Institute of Physics Belgrade, **Co-Chair**

Aleksandra Kolarski, Institute of Physics Belgrade, **Co-Chair**

Milan S. Dimitrijević, Serbia

Nikolai N. Bezuglov, Latvia

Nebil Ben Nessib, Saudi Arabia

Vesna Borka Jovanović, Serbia

Nikola Cvetanović, Serbia

Saša Dujko, Serbia

Rafik Hamdi, Tunisia

Magdalena Hristova, Bulgaria

Ognyan Kounchev, Bulgaria

Bratislav Marinković, Serbia

Zoran Mijić, Serbia

Nicolina Pop, Romania

Luka Popović, Serbia

Branko Predojević, Republic of Srpska, BiH

Sylvie Sahal Brechot, France

Sanja Tošić, Serbia

Robert Beuc, Croatia

Felix Iacob, Romania

Local Organizing Committee

Aleksandra Kolarski (**Co-Chair**), Institute of Physics Belgrade

Vladimir A. Srećković (**Co-Chair**), Institute of Physics Belgrade

Filip Arnaut (**Secretary**), Institute of Physics Belgrade

Zoran Mijić, Institute of Physics Belgrade

Milica Langović, Institute of Physics Belgrade

Mihailo Savić, Institute of Physics Belgrade

Veljko Vujčić, Astronomical Observatory, Belgrade

Nikola Cvetanović, University of Belgrade, Faculty of Transport and Traffic Eng.

International Meeting on Data for Atomic and Molecular Processes in Plasmas: Advances in Standards and Modelling, November 12-15, 2024, Palić, Serbia

Preliminary program							
Tuesday 12.11.2024. (I day)		Wednesday 13.11.2024. (II day)		Thursday 14.11.2024. (III day)		Friday 15.11.2024. (IV day)	
		Session: A&M DATA and HPC Chairs: TBD		Session: DATA and standards Chairs: TBD		Session: Datasets, databases and codes for modeling: problems Chairs: TBD	
		09:30-11:00	Lectures	09:30-11:00	Lectures	09:30-11:00	Lectures
		11:00-11:30	<i>Coffee break</i>	11:00-11:30	<i>Coffee break</i>	11:00-11:30	<i>Coffee break</i>
		11:30-13:30	Lectures	11:30-13:30	Lectures	11:30-12:30	ORGANISING COMMITTEE MEETING
						12:30-13:00	Conference closing
						13:00	Departure
		13:30-15:30	<i>Lunch Break</i>	13.30-15.30	<i>Lunch Break</i>		
		15:30-17:00	Panel discussion: Atmosphere modeling and data, code comparison Chair: TBD	15:30-17:00	Lectures		
16:00-17:30	Registration	17:00-17:30	Poster session	17.00-17.30	<i>Coffee break</i>		
17:30-18:00	Conference opening	17:30-19:00	<i>Mini-excursion</i>	18:30-19:30	Work on mini-projects		
18.00-19.00	Invited Plenary Lectures	19:00-20:00	Work on mini-projects				
19.00-21.00	<i>Welcome cocktail</i>			20:00-22:00	<i>Conference dinner</i>		