



SECOND ANNOUNCEMENT



# POSMOL 2019

XX International Workshop on Low-Energy Positron  
and Positronium Physics

XXI International Symposium on Electron-Molecule  
Collisions and Swarms

**18-20 July 2019, Belgrade, Serbia**



[www.posmol2019.ipb.ac.rs](http://www.posmol2019.ipb.ac.rs)

## WELCOME

Dear colleagues, it is our pleasure to invite you to participate in the POSMOL2019. The conference will be held at the Serbian Academy of Sciences and Arts (SASA), Belgrade, Serbia, on July 18-20, 2019. This will be the 8th joint meeting of the International Workshop on Low-Energy Positron and Positronium Physics and the International Symposium on Electron-Molecule Collisions and Swarms, satellite meetings of the International Conference on Photonic, Electronic, and Atomic Collisions (ICPEAC), that will be held in Deauville, France, on July 24-30, 2019.

POSMOL2019 will gather many scientists from all over the world working in the fields of positron, positronium and antiproton interactions with atoms, molecules and solid surfaces, and related topics. The second major topic will be electron interactions with molecules in both gaseous and condensed phases as well as transport of electron and ion swarms. Particular topics include studies of electron and positron interactions with biomolecules, electron- induced surface chemistry and studies of collisional plasmas.



## WORKSHOP

Following the conference, on the 21st July, 2019, one-day workshop will be held in honor of the retirement of Professor Zoran Lj. Petrović. Workshop Chair: Saša Dujko

## ORGANIZERS



Serbian Academy of  
Sciences and Arts



UNIVERSITY OF BELGRADE  
INSTITUTE OF PHYSICS | BELGRADE



## CONTACT INFORMATION

Web: [www.posmol2019.ipb.ac.rs](http://www.posmol2019.ipb.ac.rs)  
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Tel: +381 11 371-3056  
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## LOCAL ORGANIZING COMMITTEE

Zoran Lj. Petrović (SASA, IPB), Chair  
Bratislav Marinković (IPB) Co-chair  
Saša Dujko (IPB) Co-chair  
Sanja Tošić (IPB) Secretary  
Danko Bošnjaković (IPB) Secretary  
Dragana Marić (IPB) Conference manager  
Goran Poparić (FF)

## POSITRON INTERNATIONAL ADVISORY COMMITTEE

David Cassidy (University College London), Chair  
Gustavo Garcia (Consejo Superior de Investigaciones Científicas)  
Michael Bromley (University of Queensland)  
Marcio Varella (Universidade de São Paulo)  
Masanori Tachikawa (Yokohama City University)  
Roberto Brusa (Università di Trento)  
James Danielson (University of California, San Diego)  
Laszlo Liskay (University of Paris, Saclay)

## ELECTRON INTERNATIONAL ADVISORY COMMITTEE

Michael J. Brunger (Flinders University), Chair  
Ilya I. Fabrikant (University of Nebraska, Lincoln)  
Roman Čurik (J. Heyrovsky Institute of Physical Chemistry)  
Roma da Costa (Universidade Federal do Espírito Santo)  
Paulo Limao-Vieira (Universidade Nova de Lisboa)  
Dragana Marić (Institute of Physics Belgrade)  
Sylvia Ptasinska (University of Notre Dame)  
Petra Swiderek (University of Bremen)  
Hajime Tanuma (Tokyo Metropolitan University)  
Ron White (James Cook University)

*Joint Committee meeting will be held on Friday, July 19th, during lunch break.*





## IMPORTANT DATES

Abstract submission	June 1, 2019
Early registration fee	June 21, 2019
EPJ D paper submission	September 30, 2019

## REGISTRATION

TYPE	BEFORE 21 <sup>st</sup> JUNE	AFTER 21 <sup>st</sup> JUNE
Regular	300 EUR	350 EUR
Student	150 EUR	200 EUR
Workshop (21st July)	30 EUR	30 EUR
Accompanying Person	100 EUR	100 EUR



Regular and Student registrations include Delegate Pack, Welcome Reception, Conference Dinner, Excursion, Coffee Breaks, 3 Lunches.

Accompanying Person registration includes Welcome Reception, Conference Dinner, Excursion.

Workshop registration includes Coffee Breaks and Workshop Dinner on July 21, 2019.

Please contact the organizers if you have any questions or problems concerning your registration. Questions about payment details can be directed to our Technical organizer, PanaComp Agency.

## ABSTRACTS

Abstract submission is due 1 June 2019, please use the supplied template. Completed abstracts should be emailed to [posmol2019@ipb.ac.rs](mailto:posmol2019@ipb.ac.rs). Submitted abstracts will be considered for presentation in one of the “Hot Topics” sessions of the meeting.

## EPJ D Topical Issue

We invite all POSMOL 2019 participants to submit papers in the Topical Issue of The European Physical Journal D: Low-Energy Positron and Positronium Physics and Electron-Molecule Collisions and Swarms.



## PLENARY SPEAKERS

Jimena Gorfinkiel (UK)  sponsored lecture

*Electron Collisions with Molecules and Molecular Clusters*

Paul Scheier (Austria)

*Electron Interactions with Helium Nanodroplets*

Clifford Surko (USA)

*New Physics with Positron Traps and Trap-Based Beams*

Gleb Gribakin (UK)

*Positron Attachment, Annihilation and Binding in Molecules*

Zoran Lj. Petrović (Serbia)

*Non-Equilibrium in Ionized Gases Determined by Charged Particle Collisions with Molecules*



## INVITED SPEAKERS

### EMS

Gustavo Garcia (Spain)

E Krishnakumar (India)

Janina Kopyra (Poland)

Ronald White (Australia)

Daniel Slaughter (USA)

Jaroslav Kočíšek (Czech Republic)

Peter Stokes (Australia)

Jaime de Urquijo (Mexico)

Ilija Simonović (Serbia)

Liam Scarlett (Australia)

Stephan Denifl (Austria)

Roman Čurík (Czech Republic)

William McCurdy (USA)

Cristina Lopes (Brazil)

Marcio Varella (Brazil)

Ilya Fabrikant (USA)

Linda Feketeova (France)

Masashi Kitajima (Japan)

### LEPPP

Fiona Panther (Australia)

Matthew Stoneking (USA)

Anna Soter (Switzerland)

Ruggero Caravita (Switzerland)

Kengo Shibuya (Japan)

James Sullivan (Australia)

Daniel Murtagh (Austria)

Lokesh Gurung (UK)

William Bertsche (UK)

Paul-Antoine Hervieux (France)

Dermot Green (UK)

Lilian Ellis-Gibbings (Spain)

Bobby Antony (India)

Andres Reyes (Colombia)

Bernardo Barbiellini (Finland)

Stefan Eriksson (UK)

Paolo Crivelli (Switzerland)

James Harrington (Germany)

### WORKSHOP SPEAKERS

Stephen Buckman

Toshiaki Makabe

Ron White

Vasco Guerra

Lowell Morgan

Nobuhiko Nakano

Joan Marler

Bill Graham

Paul Maguire

Dragana Marić

SPONSORS

EPJ.org  




## TRAVEL INFORMATION

Belgrade can be reached by plane, train, bus, car or bicycle. The dates are selected so that participants may reach the site of ICPEAC in time for tutorials that will be on 23rd of July.

**BY PLANE:** The Belgrade airport 'Nikola Tesla' is situated 18km west of Belgrade.

All major international and several low-cost airlines have regular service to Belgrade.

**BY TRAIN:** A well-developed network of railways connects Belgrade with all parts of Europe, by daily, as well as overnight trains. However, due to construction works on Belgrade Central train station, participants are not advised to take this means of transportation.

**BY BUS:** International bus lines operate to all neighboring and most European countries on daily bases.

**BY CAR:** Belgrade is located at the intersection of the European E-70 and E-75 highways.

**BY BICYCLE:** Belgrade lies at the section of the Danube Bike Trail (DBT) through Serbia that bears the designation EuroVelo-Route 6. This means that it lies on the European Cyclists' Federation (ECF) Atlantic Black Sea route.



## ACCOMMODATION

The Technical Organizer, PanaComp Wonderland Travel, offers accommodation in some of the best Belgrade hotels at reduced prices for conference participants. All hotels are located in the city center, within walking distance from the conference venue.

## LOCATION AND VENUE

Belgrade is the capital and the largest city in Serbia. It lies on the confluence of Danube and Sava rivers and with a population of 1.7 million is one of the largest cities of Southeastern Europe. Experiencing Belgrade means walking on cobblestone streets with the scenic views of fortresses in the distance along the Danube, discovering a mix of modern and historical architecture, unique art and farmer market, and also tasting the excellent local specialities.

The historic areas and buildings of Belgrade are among the city's premier attractions. They include Skadarlija, the National Museum, the Nikola Tesla Museum, the Museum of Contemporary Art, Nikola Pašić Square, Terazije, Students' Square, the Kalemegdan Fortress, Knez Mihailova Street, the Parliament, the Church of Saint Sava, and the Old Palace. On top of this, there are many parks, monuments, museums, cafés, restaurants and shops on both sides of the river. The hilltop Avala Monument and Avala Tower offer views over the city. Belgrade offers a vibrant nightlife; the most recognizable nightlife features of Belgrade are the barges, spread along the banks of the Sava and Danube Rivers. Ada Ciganlija lake allows visitors to enjoy watersports and sun during the day with plenty of clubs and pubs with live music open till late at night.

The Serbian Academy of Sciences and Arts is the highest science and art institution in the Republic of Serbia. It develops and encourages science, organizes and promotes basic and applied scientific research, encourages and promotes artistic activity. The Academy is an institution of special national importance.

