

FIRST ANNOUNCEMENT



26th Summer School and International Symposium on the Physics of Ionized Gases

Zrenjanin, Serbia, August 27 - 31, 2012

GENERAL INFORMATION

The 26th Summer School and International Symposium on the Physics of Ionized Gases (SPIG) will be held in Zrenjanin, Province of Vojvodina, Serbia, from Monday, August 27 through Friday, August 31, 2012. The Conference will be organized by the **Department of Physics, Faculty of Science, University of Novi Sad**.

e-mail: spig2012@df.uns.ac.rs

website: <http://spig2012.pmf.uns.ac.rs>



**DEPARTMENT OF PHYSICS
FACULTY OF SCIENCE
UNIVERSITY OF NOVI SAD**

**Trg Dositeja Obradovica 4
21000 Novi Sad, SERBIA**



CONFERENCE 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

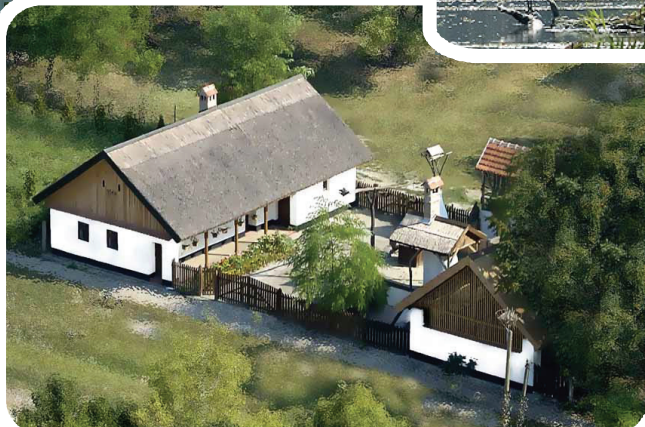
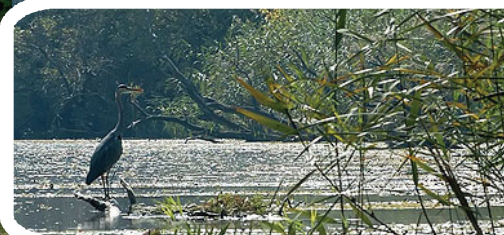
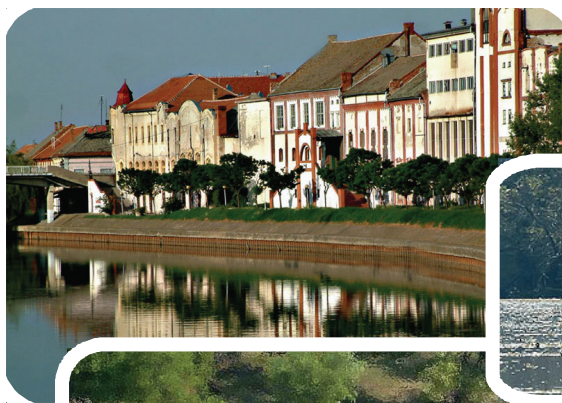
SCIENTIFIC PROGRAM

Program of the Conference will consist of Invited Lectures (45 min), Topical Invited Lectures (30 min), Progress Reports (20 min) and Contributed Papers (oral and poster presentations). The Proceedings of Contributed Papers with abstracts of Invited Lectures and Progress Reports will be published and will be available at the Conference, while the Book of Invited Lectures and Progress Reports will be published after the Conference. Contributed Papers will be refereed and the Scientific Committee will make the final selection for oral and poster presentations. **DEADLINE** for receipt of Contributed papers (four pages) and abstracts of Invited Lectures and Progress Reports (one page) is May 15, 2012.

Conference Fees

Type	Before Feb 15, 2012	After Feb 15, 2012
Members of the EPS or affiliated societies	EUR 300	EUR 350
Non-members	EUR 350	EUR 400
Students	EUR 200	EUR 250
Accompanying persons	EUR 100	EUR 125

Participants are strongly recommended to register as soon as possible and to do their payments via bank transfer. Details of bank account are given on the Conference Web page <http://spig2012.pmf.uns.ac.rs> . Exceptionally, registration could be possible at the site of the conference (payment in cash or at the near-by post office/ bank with details provided at the registration desk). The registration fee will include all conference services, morning and afternoon refreshments, welcome cocktail, excursion, conference dinner, the Proceedings (for students and regular participants) and the Book of Invited Lectures (for regular participants). For further information, please, visit the Conference Web page or send an e-mail to the organizers. All details about the preparation of Contributed Papers, Invited Lectures, Progress Reports, travel and accommodation will be given in the Second announcement.



COMMITTEES

Scientific Committee

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J. Burgdörfer	Austria
E. Danezis	Greece
Z. Donko	Hungary
V. Guerra	Portugal
D. Jovanović	Serbia
K. Lieb	Germany
G. Malović	Serbia
I. Mančev	Serbia
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N. J. Mason	USA
Z. Mijatović	Serbia
K. Mima	Japan
Z. Mišković	Canada
G. Poparić	Serbia
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VENUE

Zrenjanin, once known as Bečkerek, is situated in the Serbian part of middle Banat. At the crossroads of major inland routes and waterways, 50 kilometers from Novi Sad, 75 from Belgrade, and 50 from the border with the European Union (Romania), Zrenjanin is nowadays an open city, ready to accept new ideas, new ways of business thinking, and development of new technologies. Zrenjanin is also a city of traditional hospitality and opportunities for a pleasant stay in its environs. The whole area of the Zrenjanin municipality is the most dense fluvial system in Europe, where many rivers flow: Begej, Tamiš, Tisa, Karaš, and Danube-Tisa-Danube canal.

All of Zrenjanin, with its city core and architectural structure, represents a unique place. The most attractive site is the castle Kaštel that is situated in nearby Ečka, only 9 km from the centre of Zrenjanin. This castle is an incarnation of former glamour, where beside a hotel and a beautiful park, a gallery of the most famous painters of Serbia may be found. The old town of Zrenjanin is known for its beautiful architecture with buildings such as the Town hall, built in 1816, National museum, built in 1894, Theatre, built in 1839, the oldest theatre building in Serbia, "Uspenska" church, built in 1746, etc.

The famous physicist Mihajlo I. Pupin, professor of Columbia University, USA, and winner of the Pulitzer prize in 1924, was born in the village of Idvor, 24 km from Zrenjanin, in which there is now "Pupin's Museum".

In Zrenjanin's surroundings, more precisely near Ečka, there is the famous "Carska Bara", that is Emperor's Pond, a protected natural reserve, commonly referred to as "Stari Begej - Carska bara". This pond is one of the biggest ornithological stations in Europe, which makes it ideal for photo safaris, and the whole pond is suitable for recreational fishing.

Among numerous tourist attractions and commercial events is "Beer Days", which has been held in the last week of August for the past 23 years.

More information at official web site of the City of Zrenjanin <http://www.zrenjanin.rs/Home>