

FIRST ANNOUNCEMENT



25th Summer School and International Symposium on the Physics of Ionized Gases

Donji Milanovac, Serbia, August 30 – September 3, 2010

GENERAL INFORMATION

The jubilar 25th Summer School and International Symposium on the Physics of Ionized Gases (SPIG) will be held in Donji Milanovac (National Park Djerdap, on the river Danube) in Serbia, from Monday, August 30 through Friday, September 3, 2010. The Conference will be organized by the **Faculty of Physics, University of Belgrade**.

email: spig2010@ff.bg.ac.rs

website: <http://webhost.rcub.bg.ac.rs/~spig2010>



Faculty of Physics, University of Belgrade
Studentski Trg 12
11000 Belgrade
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

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 presentation. **DEADLINE** for receipt of Contributed papers (four pages) and abstracts of Invited Lectures and Progress Reports (one page) is May 15, 2010.

REGISTRATION

Conference Fees

Type	Before Feb 15, 2010	After Feb 15, 2010
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://webhost.rcub.bg.ac.rs/~spig2010>). 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.



COMITTIES

Scientific Committee

L.Č. Popović (Chairman) Serbia

S.	Buckman	Australia
J.	Burgdoerfer	Austria
Z.	Donko	Hungary
V.	Guerra	Portugal
D.	Jovanović	Serbia
J.J.	Jureta	Serbia
M.	Kuraica	Serbia
K.	Lieb	Germany
T.	Makabe	Japan
G.	Malović	Serbia
I.	Mančev	Serbia
S.T.	Manson	USA
N.J.	Mason	UK
E.	Mediavilla	Spain
Z.	Mijatović	Serbia
K.	Mima	Japan
Z.	Mišković	USA
N.	Nedeljković	Serbia
Z.	Rakočević	Serbia
Y.	Serruys	France
N.	Simonović	Serbia
M.	Škorić	Serbia

Advisory Committee

D.	Belić
N.	Konjević
J.	Labat
B.P.	Marinković
S.	Đurović
M.S.	Dimitrijević
N.	Bibić
B.	Milić
M.	Milosavljević
Z.Lj.	Petrović
M.M.	Popović
J.	Purić
B.	Stanić

Organizing Committee

M.M. Kuraica (Chairman)
B.M. Obradović (Vice-Chairman)
S. Bukvić (Vice-Chairman)
N. Cvetanović (Secretary)
I. Dojčinović
N. Sakan
S. Ivković
G. Sretenović
V. Kovačević
T. Milovanov

ABOUT DONJI MILANOVAC

Donji Milanovac is a small town in eastern Serbia situated at the very bank of river Danube. The main tourist establishment of the town is the hotel "Lepenski Vir". Close to the town is a very important archeological finding of "Lepenski Vir" and "The Iron Gate", a gorge on the Danube River.

Lepenski Vir (Lepen Whirl) is an important Mesolithic archaeological site. It consists of one large settlement with around ten satellite villages. The evidence suggests the first human presence in the locality around 7000 BC with the culture reaching its peak between 5300 BC and 4800 BC. Numerous piscine sculptures and peculiar architecture are testimony to a rich social and religious life led by the inhabitants and the high cultural level of these early Europeans. Donji Milanovac is also the center of the Djerdap National Park. The main feature and attraction of the Djerdap National Park's natural beauty is the Djerdap gorge - the famous Iron Gate - the grandiose gateway through the southern slopes of the Carpathian mountains where the longest and biggest river accumulation in former Yugoslavia is located. The territory of the national park is filled with a series of other important features: abundant and diversified animal and especially plant life, attractive surroundings and landscapes, cultural and historical monuments and other anthropogenic tourist attractions, including a lake formed by the erection of a hydroelectric power plant "Djerdap".