

INVITED SPEAKERS (confirmed so far)

M. Allan (Switzerland): “Recent electron-molecule collision experiments”

V. Astashinskii (Belarus): “Plasma Dynamic Processes Accompanying High Energy

Compression Flows Interaction with Surfaces”

W. Bolse (Germany): “Atomic transport in swift heavy ion tracks”

S. Buckmann (Australia): “Atomic Physics Research with Laser-Cooled Metastable Helium Atoms”

V. Čadež (Belgium): “Space Weather: Solar activity and its affects on the Earth”

M. Gigosos (Spain): “Computer simulated hydrogen line profiles for non equilibrium plasma diagnostics”

K. Homewood (UK): “Ion Beam Engineered Silicon Light Emitting Diodes”

P. Krstić (USA): “Nearly-Adiabatic Atomic Physics: Methods-Data-Devices”

T. Makabe (Japan): “Introduction to VicAddress Vertically integrated CAD for device processing”

A. Maquet (France): “Atomic response to intense and ultra-intense laser pulses”

E. Mediavilla (Spain)

H. Nagatomo (Japan): “Computational Simulation for Laser Fusion in ILE Osaka”

M. Okamoto (Japan)

S. Raikov (Belarus): “Intracavity Laser Spectroscopy of Laser Ablation Plasma”

P. Schaaf (Germany): “Reactive surface modifications by laser beams with and without employing a plasma”

I. Serruys (France)

G. Shao (China): “Transmission electron microscopy of ion beam synthesized semiconducting tin films”

M. Tanaka (Japan): “Experimental Study on Vortex Formation in Plasmas”

H. Thomas (Germany): “Plasma-induced finishing of textile fibres”

S. Vladimirov (Australia): “Collective and dynamic phenomena in complex plasmas”

R. Webb (UK)

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 Diagnostics 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 COMMITTEE

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J. Karamarković, N. Novaković, M. Pejović.

SECOND ANNOUNCEMENT

**21st Summer School
and International Symposium
on the Physics of Ionized Gases**

21st SPIG

**SOKOBANJA, Yugoslavia
August 26-30, 2002**

<http://www.pmf.ni.ac.yu/spig2002/>



**DEPARTMENT OF PHYSICS
FACULTY OF SCIENCES
AND MATHEMATICS
UNIVERSITY OF NIŠ**

GENERAL INFORMATION

21st Summer School and International Symposium on the Physics of Ionized Gases (SPIG) will be held in Sokobanja in Serbia, Yugoslavia, from Monday, August 26, through Friday, August 30, 2002. The Conference is organized by the Department of Physics, Faculty of Sciences and Mathematics, University of Niš.

Sokobanja is one of the best-known spas in Yugoslavia. It lies at the altitude of about 400 m.a.s.l., by the River Moravica at the foot of Mt. Ozren, in the south-east of Serbia, about 230 km south from Belgrade, and 60 km north from Niš.

SCIENTIFIC PROGRAMME

Programme of the Conference will consist of Invited lectures (40 min) in plenary sessions, Topical Invited lectures (30 min) and Progress reports (20 min) in parallel sessions, as well as Contributed papers (oral and poster session). The Proceedings of Contributed Papers with abstracts of Invited lectures and Progress reports will be available at the Conference, while the Book of Invited Lectures and Progress Reports will be distributed after the Symposium.

CONTRIBUTED PAPERS

The contributed papers should be submitted in a camera-ready form according to the instructions given in a separate sheet enclosed with this announcement. Each participant submitting a contributed paper is kindly asked to indicate whether he prefers presenting the paper in oral or poster session.

DEADLINE for receipt of Contributed papers is June 1, 2002.

Contributed papers will be refereed and the final selection will be made by the Scientific Committee. Participants will get the information about the decision along with the Third Announcement (end of June 2002).

REGISTRATION

The registration fee will include the cost of admission, the Conference Proceedings and the Book of Invited Lectures. Regular conference fee will be EUR 100,00 while full time students will be charged EUR 50,00. Accompanying persons should pay full accommodation expenses as well as the registration fee of EUR 20,00 which cover reception cocktail, conference dinner, excursion and other social activities. The registration fee will be payable in cash (in YUD, EUR or any other convertible currency) at the conference desk during the SPIG.

The Third Announcement with all necessary details about the conference programme, travel and accommodation will be sent to those who register themselves by sending the attached Registration form, by submitting the on-line registration form through the SPIG-2002 homepage or by e-mail. Please register yourself as soon as possible.

ACCOMMODATION

All participants will be accommodated in the "Zdravljak" hotel in Sokobanja, where all the conference activities are organized as well. The hotel is equipped with swimming pool, sauna room, bowling halls, sport grounds and other usual hotel facilities. The cost of daily board and lodging will range from 15 to 25 EUR per person, depending on the room type. The information about the exact accommodation prices and payment methods will be available on the SPIG homepage soon.

ADDRESS FOR CORRESPONDENCE



SPIG – 2002

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Faculty of Sciences and Math.
P.O. Box 224
18001 Niš, Yugoslavia

spig2002@pmf.pmf.ni.ac.yu
<http://www.pmf.ni.ac.yu/spig2002>

REGISTRATION FORM

I intend to attend the 21st Summer School and International Symposium on the Physics of Ionized Gases.

Name: _____

Affiliation: _____

P.O. Box: _____

Street & No.: _____

City & zip code: _____

Phone: _____
(including country and area code)

Fax: _____
(including country and area code)

E-mail: _____

I intend to submit a contribution(s) on the following topic(s):

Preferred form of presentation: oral
 poster

I plan to be accompanied by _____ person(s).

The name(s) of accompanying person(s):
