



27th Summer School and International Symposium on the Physics of Ionized Gases

August 26-29, 2014 Belgrade, Serbia

PLENARY LECTURES

Friedrich Aumayr (AT) Alexander Fridman (US)
Dževad Belkić (SE) George Naidis (RU)
Michael Brunger (AU) Predrag Ranitović (US)
David Cassidy (UK) Jack Sulentic (ES)
Alessandro De Giacomo (IT) Petra Swiderek (DE)
Akio Komori (JP)

TOPICAL LECTURES

Luís Alves (PT) Atsushi M. Ito (JP)
Ilko Bald (DE) František Krčma (CZ)
Stephen Buckman (AU) Kinga Kutasi (HU)
Gheorghe Dinescu (RO) Branko Predojević (BA)
David Duday (LU) Milan Šimek (CZ)
Albert R. Ellingboe (IE) Fumiyoshi Tochikubo (JP)
Gustavo Garcia (FR) Janko Zabka (CZ)
Jimena Gorfinkiel (UK)

PROGRESS REPORTS

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Marko Cvejić (RS) Nenad Milojević (RS)
Marcin Dampc (UK) Vadym Prysiashnyi (BR)
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Sylvain Maclot (FR) Sonja Vidojević (RS)
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Juraj Fedor (CH) Ewelina Szymanska (UK)
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Zoltan Donko (HU) Jerome Bredin (UK)
Michael Allan (CH) Milovan Šuvakov (RS)
Nigel Mason (UK) Veljko Dmitrašinović (RS)

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Gustavo Garcia (ES)

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

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