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23rd Summer School and International Symposium on the Physics of Ionized Gases

August 28th-September 1st 2006, Kopaonik, Serbia

23rd SPIG CONTRIBUTED PAPERS

CONTRIBUTED PAPERS

&

ABSTRACTS of INVITED LECTURES,
TOPICAL INVITED LECTURES and PROGRESS REPORTS

Editors:
Nenad S. Simonović
Bratislav P. Marinković
Ljupčo Hadžievski

Institute of Physics
Belgrade, Serbia

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Belgrade, 2006

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of the
23rd SUMMER SCHOOL AND INTERNATIONAL SYMPOSIUM
ON THE PHYSICS OF IONIZED GASES

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PREFACE

This book contains the Contributed papers and abstracts of the Invited lectures, Topical invited lectures and Progress reports to be presented at the 23rd Summer School and International Symposium on the Physics of Ionized Gases – SPIG 2006. The symposium will be held in National Park Kopaonik, Serbia, from August 28 to September 1, 2006. The meeting is organized under the auspices and with the support of the Ministry of Science and Environmental Protection, Republic of Serbia. The conference is at the list of European Physical Society (EPS) sponsored conferences.

The Invited lectures and Contributed papers are related to the following research fields: Atomic Collision Processes, Particle and Laser Beam Interaction with Solids, Low Temperature Plasmas and General Plasmas. The length of Contributed papers is limited and each is supposed to present an original work with sufficient amount of scientific information. The Scientific and Organizing Committees believe that this conference manages to maintain the high scientific level of contributed papers and invited speakers in accordance with SPIG's long tradition.

The Editors would like to thank the members of the Scientific and Advisory Committees of SPIG 2006 for their efforts in proposing the invited lectures and progress reports, review of the contributed papers and selection of 12 papers for the oral presentation. We acknowledge the EPS sponsorships granted trough East West Task Force scheme. Also, we are grateful for the support of our sponsors Kryooprema d.o.o. and EUnet d.o.o. Especially we acknowledge the support of all members of the Organizing Committee who contributed a lot to the preparing and running of the conference.

The participants have been asked to send their papers camera ready, so no typing, spelling and grammatical errors have been corrected in the course of preparation of this book. The Editors apologize for all mistakes that emerged from the software problems in the process of printing.

Finally we would like to thank all the invited speakers and the participants for taking part in this year's SPIG, to wish them to have a pleasant stay in Kopaonik, and to gain additional momentum and ideas for the future work.

Belgrade, August, 2006 Editors

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SPIG 2006

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