



CEAMPP 2013

3rd National Conference on Electronic,
Atomic, Molecular and Photonic Physics
Belgrade, Serbia, August 25th, 2013

CONTRIBUTED PAPERS

&

ABSTRACTS OF INVITED LECTURES

AND

PROGRESS REPORTS



University of Belgrade



Faculty of Physics

Editors

B.P. Marinković, G.B. Poparić

University of Belgrade, Faculty of Physics,
Belgrade, Serbia

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Bratislav P. Marinković, Goran B. Poparić

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PREFACE

This is the publication of Faculty of Physics, University of Belgrade, which contains the Contributed papers and the abstracts of Invited Lectures and Progress Reports to be presented at the 3rd National Conference on Electronic, Atomic, Molecular and Photonic Physics – CEAMPP 2013. The conference will be held in Belgrade, Serbia, in August 25th, 2013. It will be organized by Faculty of Physics, University of Belgrade with support of Ministry of Education, Science and Technological Development, Republic of Serbia.

The Invited Lectures and Contributed Papers are related to research fields in physics of Atomic and Molecular Structure and Properties, Collision Processes and Photon Interaction with Atoms and Molecules. The publication contains 3 abstracts of Plenary Invited Lectures and 6 abstracts of Progress Reports, which are planned to be presented at the Conference. The publication also contains 11 Contributed Papers, which present very high level of investigation in the above mentioned research fields.

The Editors would like to thank the members of the Scientific Committee of CEAMPP 2013 for their help in proposing the invited lectures and the progress reports and for their review of the contributed papers. We also acknowledge the financial support of Ministry of Education, Science and Technological Development, Republic of Serbia.

Editors

Bratislav P. Marinković, Goran B. Poparić

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Republic of Serbia

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**3rd National Conference on Electronic, Atomic Molecular and
Photonic Physics
Belgrade, Serbia, August 25th, 2013.**

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Conference Topics:

- Atomic and Molecular Structure and Properties
- Collision Processes
- Photon Interaction with Atoms and Molecules

The scope of the conference includes: electron and photon spectroscopy; elastic and inelastic scattering of electrons by isolated atoms and molecules; electron interaction with biomolecules and clusters; atomic processes with ions and surfaces; heavy particle collisions; laser beam interaction with atoms, molecules, ions and cold atoms; synchrotron radiation interaction with atoms, molecules and ions; laser spectroscopy diagnostic and applications; photon and electron optics and electron trace simulations; instrumentation etc.

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