

CEAMPP/ CEPAS 2011 PROGRAM

Belgrade, Serbia, June 21 – 25, 2011

Tuesday 21 st June 2011		
2 nd National Conference on Electronic, Atomic, Molecular and Photonic Physics - CEAMPP		
<i>(PL – Plenary lecture: 25+5 min; PR – Progress report: 15+5 min)</i>		
08:00-09:15	Registration (CEAMPP)	
09:15-09:30	Opening (CEAMPP), Chair: Saša Dujko	
	Plenary Session , Chair: Aleksandar Milosavljević	
09:30-10:00	<i>Dynamics of dissociative electron attachment to small molecules</i>	Juraj Fedor , University of Fribourg, Switzerland
10:00-10:30	<i>Soft X-ray spectroscopy of molecules and biomolecules</i>	Christoph Nicolas , SOLEIL Synchrotron, Saint-Aubin, France
10:30-11:00	<i>Grazing incidence fast atom diffraction on different materials</i>	Nenad Bundaleski , CEFITEC, Caparica, Portugal
11:00-11:30	Coffee break	
	Session 2 , Chair: Saša Dujko	
11:30-11:50	<i>On the propagation of positive streamers in N₂:O₂ mixtures</i>	Gideon Wormeester , CWI, Amsterdam, The Netherlands
11:50-12:10	<i>Numerical modeling of buffer gas positron traps</i>	Srđan Marjanović , Institute of Physics, Belgrade, Serbia
12:10-12:30	<i>Absolute cross sections for electron scattering from metal vapours</i>	Sanja Tošić , Institute of Physics, Belgrade, Serbia
12:30-12:50	<i>Excitation of molecules by low-energy electrons</i>	Miroslav Ristić , Faculty of Physics, Belgrade, Serbia
13:00-15:00	Lunch break	
	Session 3 , Chair: Nenad Simonović	
15:00-15:20	<i>Ab initio calculation of low-lying vibronic levels in the ground $X^2\Pi_u$ electronic state of dicyanoacetylene cation</i>	Radomir Ranković , Faculty of Physical Chemistry, Belgrade, Serbia
15:20-15:40	<i>Theoretical study of the Jahn-Teller effect</i>	Maja Gruden Pavlović , Faculty of Chemistry, Belgrade, Serbia
15:40-16:00	<i>Coherent effects in laser driven rubidium vapor</i>	Milan Radonjić , Institute of Physics, Belgrade, Serbia
16:00-16:20	<i>Monte Carlo modeling of Townsend discharges in hydrogen</i>	Vladimir Stojanović , Institute of Physics, Belgrade, Serbia
16:20-16:40	Coffee break	
16:45-18:00	Poster session (CEAMPP)	
18:00-19:00	Registration (CEPAS)	
20:15-22:30	Welcome party for CEAMPP and CEPAS participants (Aeroklub)	

Wednesday 22nd June 2011

5th Conference on Elementary Processes in Atomic Systems - CEPAS

(**PL** – Plenary lecture: 30+5 min; **TL** – Topical lecture: 20+5 min)

08:00-08:45	Registration (CEPAS)	
08:45-09:00	Opening (CEPAS), Chair: Bratislav P. Marinković	
	Plenary Session , Chair: Zoran Lj. Petrović	
09:00-09:35	<i>Positronium negative ion experiments</i>	Yasuyuki Nagashima , Tokyo University of Science, Japan
09:35-10:10	<i>Imaging electron/ion coincidences for gas phase photoionization studies of chiral systems on the DESIRS beamline at SOLEIL</i>	Laurent Nahon , SOLEIL synchrotron, France
10:10-10:40	Coffee break	
	Session 2 , Chair: Nigel Mason	
10:40-11:05	<i>Cross sections for elastic electron scattering from iodine</i>	Michael Brunger , Flinders University, Australia
11:05-11:30	<i>Quantum interferences in atomic ionization by short laser pulses</i>	Diego Arbó , Astronomia y Física del Espacio, Buenos Aires , Argentina
11:30-11:55	<i>Electron driven processes in biomolecules</i>	Janina Kopyra , University of Podlasie, Poland
11:55-12:20	<i>Multi- photon ionization of biomolecular clusters</i>	Sam Eden , The Open University, UK
12:30-15:00	Lunch break	
	Session 3 , Chair: Robert DuBois	
15:00-15:25	<i>Coherent wavepacket shaping in high Rydberg states</i>	Shuhei Yoshida , Vienna University of Technology, Austria
15:25-15:50	<i>Positron scattering from krypton</i>	James Sullivan , Australian National University, Australia
15:50-16:15	<i>Absolute differential cross sections for electron scattering from building blocks of biopolymers</i>	Aleksandar Milosavljević , Institute of Physics Belgrade, Serbia
16:15-16:35	Coffee break	
	Session 4 , Chair: Viorica Stancalie	
16:35-17:00	<i>Differential cross sections of some noble atoms studied by fast electron impact and inelastic x-ray scattering</i>	Lin-Fan Zhu , Hefei National Laboratory for Physical Sciences at Microscale, China
17:00-17:25	<i>The effect of temperature on guiding of slow highly charged ions through mesoscopic glass capillaries</i>	Réka Bereczky , ATOMKI, Debrecen, Hungary
17:30-19:00	Poster session (1)	

Thursday 23rd June 2011		
	Plenary Session, Chair: Friedrich Aumayr	
09:00-09:35	<i>Effect of projectile coherence on atomic fragmentation processes</i>	Michael Schulz, Missouri University of Science and Technology, USA
09:35-10:10	<i>Collisions with biomolecules: negative ion formation</i>	Paulo Limão-Vieira, Universidade Nova de Lisboa, Portugal
10:10-10:40	Coffee break	
	Session 2, Chair: Paulo Limão-Vieira	
10:40-11:05	<i>Hard X-ray polarimetry in energetic ion-atom collisions</i>	Günter Weber, Helmholtz Institute Jena, Germany
11:05-11:30	<i>Photoionization study of trapped biopolymer ions in the gas phase</i>	Alexandre Giuliani, SOLEIL synchrotron, France
11:30-11:55	<i>Spatially resolved transport properties for electrons in gases: Definition, interpretation, and calculation</i>	Saša Dujko, Institute of Physics Belgrade, Serbia
11:55-12:20	<i>Excitation reactions studied by electron induced fluorescence method</i>	Juraj Országh, Comenius University Bratislava, Slovakia
12:30-15:00	Lunch break	
	Session 3, Chair: Károly Tótkési	
15:00-15:25	<i>On deviations from theory of electron-atom elastic scattering cross sections</i>	Raymond Moreh, Ben-Gurion University of the Negev, Israel
15:25-15:50	<i>Photofragmentation of organic molecules of biological interest</i>	Paola Bolognesi, CNR-IMIP, Italy
 15:50-16:15	<i>Electron-impact and thermal fragmentation of the amino acid molecules: mechanisms and structure of the molecules</i>	<i>Lecturer supported by VAMDC</i> Alexander Snegursky, Institute of Electron Physics Uzhgorod, Ukraine
16:15-16:40	<i>Nanostructures formed on various surfaces due to the impact of individual slow highly charged ions</i>	Robert Ritter, Vienna University of Technology, Austria
16:40-17:00	Coffee break	
17:00-18:30	CEPAS Advisory Board meeting	
19:30	Concert (Lola 's Premises)	

Friday 24th June 2011		
	Plenary Session, Chair: Bratislav P. Marinković	
09:00-09:35	<i>Inelastic transitions of atoms (and molecules) induced by van der Waals interaction with a surface</i>	Jacques Baudon, University Paris 13, France
09:35-10:10	<i>Ions Colliding with Cold Polycyclic Aromatic Hydrocarbon Clusters</i>	Patrick Rousseau, CIMAP Caen, France
10:10-10:40	Coffee break	
	Session 2, Chair: Janina Kopyra	
10:40-11:05	<i>Laser Raman scattering from biomolecules in nanoparticles-embedded tissue</i>	Simona Cintă Pinzaru, Babes-Bolyai University, Romania
11:05-11:30	<i>Scattering from biomolecules in helium droplets</i>	Stefan Denifl, University of Innsbruck, Austria
11:30-11:55	<i>Channeling of charged particles through carbon nanotubes</i>	Duško Borka, Vinča Institute of Nuclear Sciences, Serbia
 11:55-12:20	<i>Resonant inelastic collisions of electrons with diatomic molecules</i>	<i>EPJD award lecturer</i> Karel Houfek, Institute for Theoretical Physics Prague, Czech Republic
12:30-15:00	Lunch break	
	Closing session, Chair: Andrey Solov'yov	
15:00-15:35	<i>Classical theory of atomic collisions – the first hundred years</i>	Petar Grujić, Institute of Physics Belgrade, Serbia
15:35-16:00	<i>Thermo-mechanical impact on biomolecules induced by heavy ions</i>	Alexander V. Yakubovich, Frankfurt Institute for Adv. Studies, Germany
16:00-16:25	<i>Ion Interactions with Graphene</i>	Zoran Mišković, University of Waterloo, Canada
16:30-16:50	Coffee break	
16:50-18:20	Poster session (2)	
20:00	Conference dinner (Restaurant “Ima dana”)	
Saturday 25th June 2011		
10:00-17:00	Excursion	
17:00	Departure	