

Monday, 23 August 2004	
Plenary session	
Time	Hall A
09.00-10.00	Registration
	<i>Chair Lj. Hadžievski</i>
10.00-10.30	<p style="text-align: center;">Opening ceremony</p> <p>Lj. Hadžievski, Welcome on behalf of the Organizing Committee T. Grozdanov, Welcome on behalf of the Scientific Committee B. Tomić, Welcome on behalf of the Municipal Assembly of Bajina Bašta A. Sedmak, Welcome on behalf of the Ministry of Science and Environmental Protection, Republic of Serbia and opening the Conference</p>
10.30-11.00	Coffee Break
	<i>Chair N. Konjević</i>
11.00-11.45	Wolfgang Wiese: The Expanded Atomic Databases of NIST -- Standard Tables for Spectroscopy and Atomic Physics [3]
11.45-12.30	Kunioki Mima: Recent Progress and Future Prospects of Laser Fusion Research and Related High Energy Density Plasma [4]
12.30-15.00	Lunch
Parallel sessions	
Time	Hall A
	<i>Chair S. Buckman</i>
15.00-15.30	Anne Lafosse: Electron induced fictionalization of semiconductor surfaces [1]
15.30-16.00	Steven T. Manson: Photoabsorption by Ions and Atoms [1]
16.00-16.20	Jovanović Jasmina: Application of Momentum Transfer Theory for Ions and Electron Transport [1]
16.20-16.50	Coffee Break
	<i>Chair J. Jureta</i>
16.50-17.10	Vasco Guerra: Self-consistent Modeling of DC and Microwave Nitrogen Discharges and Their Afterglows [1]
17.10-17.30	Ivan Mančev: Distorted wave theories for electron capture at high energies [1]
Selected oral presentations	
17.30-17.45	OP-1.01
17.45-18.00	OP-1.11
Time	Hall B
	<i>Chair N. Nedeljković</i>
15.00-15.30	Yves Serruys: Ion irradiation, damaging and modification of materials: JANNUS project [2]
15.30-16.00	Melanie Roth: Fast Processes in Ion Tracks [2]

16.00-16.20	Kevin Homewood: Recent advances in silicon based opto-electronic devices [2]
16.20-16.50	Coffee Break
	<i>Chair K. Homewood</i>
16.50-17.10	Nenad Bundaleski: The interpretation of the broad maximum in the energy spectra of Ar ⁺ ions scattered from the clean metal surfaces [2]
17.10-17.30	Radetić Maja: The Influence of Low-temperature Plasma Treatment on Some Wool Properties [2]
Selected oral presentations	
17.30-17.45	OP-2.01
17.45-18.00	OP-2.08
Poster session	
18.00-20.00	Posters: 1.01–1.11 & 2.01–2.09 & 3.01–3.17 & 4.01–4.10
20.00-20.30	Welcome Cocktail

Tuesday, 24 August 2004.	
Plenary session	
Time	Hall A
	<i>Chair T. Grozdanov</i>
09.00-09.45	Ronald McCarroll: Photodynamics of Molecules in Astrophysical Plasmas [1]
09.45-10.30	Ken Yukimura: Plasma-Ion Processes for Three Dimensional Materials [2]
10.30-11.00	Coffee Break
	<i>Chair M. Skorić</i>
11.00-11.45	Miodrag Cekić: Physics of Electrodeless UV Lamps and Applications of UV radiation [3]
11.45-12.30	Sergei V. Bulanov: Feasibility of Using Laser Ion Accelerators in Proton Therapy [4]
12.30-15.00	Lunch
Parallel sessions	
Time	Hall A
	<i>Chair D. Belić</i>
15.00-15.30	Alexander V. Demura: Evolution of Plasma Microfield Notion [3]
15.30-16.00	Svetlana B. Radovanov: Breakdown, steady state and afterglow in Pulsed Plasma Doping System [3]
16.00-16.20	Vladimir Milosavljević: Plasma diagnostics through analysis of Ne I line shape characteristics [3]
16.20-16.50	Coffee Break
	<i>Chair S. Đurović</i>
16.50-17.10	Biljana Todorović-Marković: Comparative Analysis of Carbon Plasma in Arc and RF

	Reactors [3]
17.10-17.30	Ivan Videnović: Magnetron Plasma Sputtered Nanocomposite Thin Films: Structural Surface Studies by In Vacuo Photoelectron Spectroscopy [2]
Selected oral presentations	
17.30-17.45	OP-3.09
17.45-18.00	OP-3.10
18.00-18.15	OP-3.49
Time	Hall B
	<i>Chair K. Mima</i>
15.00-15.30	Dimitri Batani: Propagation in Matter of Currents of Relativistic Electrons Beyond the Alfvén Limit, Produced in Ultra-high-intensity Short-pulse Laser-matter Interaction [4]
15.30-16.00	Seiji Ishiguro: Particle simulation study on parallel-flow-shear driven low-frequency plasma instabilities [4]
16.00-16.20	Ioannis Kourakis: Nonlinear modulated electrostatic wavepacket propagation in dusty plasmas [4]
16.20-16.50	Coffee Break
	<i>Chair B. Stanić</i>
16.50-17.10	Ljubomir Nikolić: Simulations of Relativistic Laser-Plasma Interactions [4]
17.10-17.30	Luka Popović: Some Spectroscopic Methods for Astrophysical Plasma Research [4]
Selected oral presentations	
17.30-17.45	OP-4.01
17.45-18.00	OP-4.03
18.00-18.15	OP-4.14
Poster session	
18.15-20.00	Posters: 1.12–1.22 & 2.10–2.19 & 3.18–3.34 & 4.11–4.17

Wednesday, 25 August 2004	
Plenary session	
Time	Hall A
	<i>Chair Z. Petrović</i>
09.00-09.45	Paul Scheier: Inelastic Interaction of Low Energy Electrons with Biologically Relevant Molecules [1]
09.45-10.30	Roger Webb: Computer Modelling of Cluster Impacts on Surfaces: - Implications for Deposition and Desorption [2]
10.30-11.00	Coffee Break
11.45-13.30	Lunch
13.30-20.00	Excursion

Thursday, 26 August 2004	
Plenary session	
Time	Hall A
<i>Chair N. Bibić</i>	
09.00-09.45	Michael. J. Brunger: Understanding the role of electron-driven processes in atmospheric behaviour [1]
09.45-10.30	Peter Schaaf: Laser Plasma Material Interactions [2]
10.30-11.00	Coffee Break
<i>Chair D. Jovanović</i>	
11.00-11.45	Jean-Paul Booth: Radical kinetics in an inductively-coupled plasma in CF4 [3]
11.45-12.30	Renato Fedele: Description of the Nonlinear and Collective Behavior of Charged-Particle Beams by means of a Nonlinear Schrödinger Equation [4]
12.30-15.00	Lunch
Parallel sessions	
Time	Hall A
<i>Chair G. Malović</i>	
15.00-15.30	Christian Linsmeier: Carbon-containing Compounds on Fusion-related Surfaces: Thermal and Ion-induced Formation and Erosion [2]
15.30-16.00	Eva Stoeffels: Cold gas plasma treatment: a new medical technique? [3]
16.00-16.20	Peter Hartman: Light emission of argon discharges: importance of heavy particle processes [3]
16.20-16.50	Coffee Break
<i>Chair M. Radović</i>	
16.50-17.10	Ilija N. Draganić: Emission spectroscopy in highly charged ions in plasma of an electron beam ion trap [3]
17.10-17.30	Renna Djulgerova: Depth profile analysis of new materials in hollow cathode discharge [3]
17.30-17.50	Sonja Jovičević: Spectroscopic study of microwave induced plasma[3]
Selected oral presentations	
17.50-18.05	OP-2.13
18.05-18.20	OP-3.50
Time	Hall B
<i>Chair B. Marinković</i>	
15.00-15.30	Inga Tolstikhina: Target-density effect in electron-capture processes [1]
15.30-16.00	Evangelia Lyratzi: SACs and DACs phenomena in the atmospheres of hot emission stars [4]
16.00-16.20	Zoran Pešić: Ionization and Fragmentation of H2O Molecule in the Interaction with Positrons and Ions [1]

16.20-16.50		Coffee Break
<i>Chair M. Milosavljević</i>		
16.50-17.10	Jacques Baudon: Coherent Metastable Rare Gas Atom Beam to Study Van der Waals - Zeeman Transitions in a Micro-channel Plate[1]	
17.10-17.30	Danijela Rostohar: The Lifetime Measurement of Metastable Levels by Time-resolved Laser Spectroscopy [1]	
17.30-17.50	Slobodanka Galović: Thermal effects induced by laser irradiation of solids [2]	
Selected oral presentations		
17.50-18.05	OP-1.12	
18.05-18.20	OP-4.15	
Poster session		
18.20-20.00	Posters: 1.23-1.35 & 2.20-2.26 & 3.35-3.51 & 4.18-4.22 & P01-P03	
21.00-16.50	Conference dinner	

Friday 27 August 2004	
Plenary session	
Time	Hall A
<i>Chair M. Dimitrijević</i>	
09.00-09.45	Alexander F. Zakharov: The Iron Ka-line as a Tool for Analysis of Black Hole Parameters [4]
09.45-10.30	Jaime De Urquijo Carmona: Recent progress in the research on ion and electron transport in gases at swarm energies [1]
10.30-11.00	Coffee Break
<i>Chair W. Wiese</i>	
11.00-11.45	Hans Hofsäss: Ion beam deposition of thin films: growth processes and nanostructure formation [2]
11.45-12.30	Nikola Konjević: Excessive Doppler broadening of hydrogen Balmer lines in gas discharges [3]
12.30-13.00	Closing
21.00-16.50	Departure

TIME SCHEDULE

22nd Summer School and International Symposium on the Physics of Ionized Gases



SPIG 2004

National Park "TARA", Bajina Bašta
Serbia and Montenegro
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Vinča Institute of Nuclear Sciences
Belgrade, Serbia and Montenegro