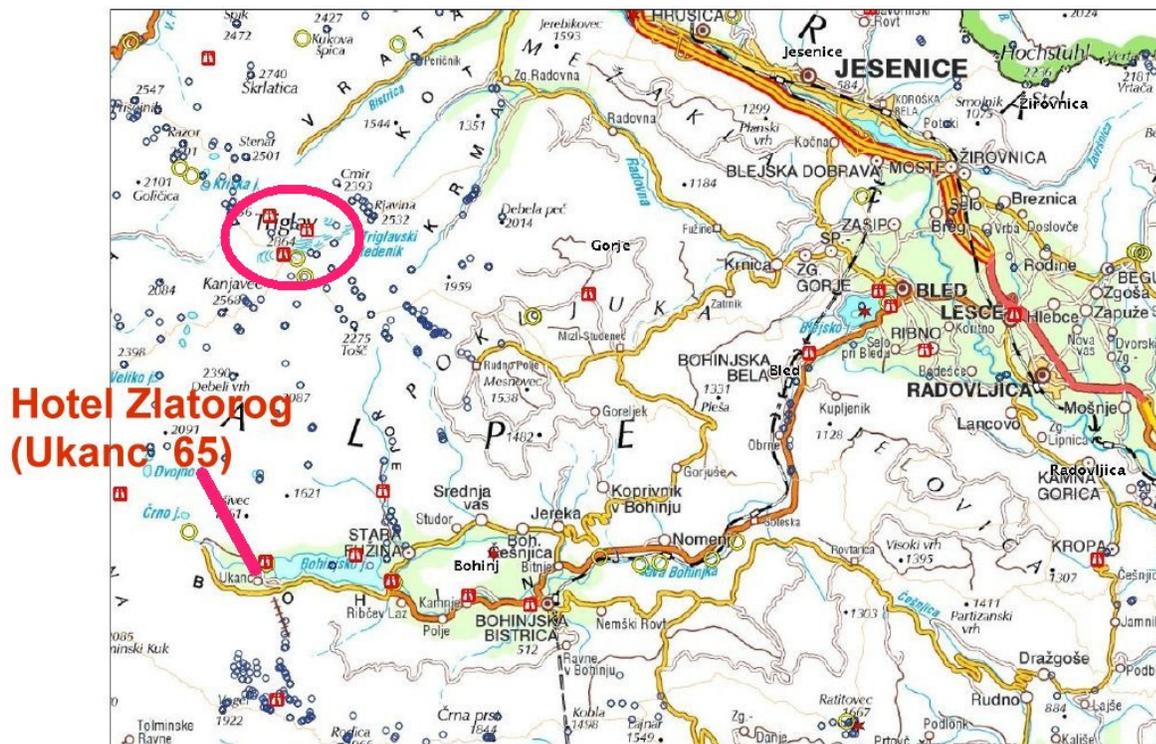


PROGRAMME OF THE 16. INTERNATIONAL SCIENTIFIC MEETING ON VACUUM SCIENCE AND TECHNIQUE

Hotel Zlatorog
Ukanc 65, Bohinj, Slovenia, 4.-5. junij 2009



Thursday		
	12:30	Registration
	12:45	Opening
	13:00:14:30	Lunch
	14:30-14:50	<u>Burkhard Kaulich</u> , Alessandra Gianoncelli, Vladimir Babin and Maya Kiskinova , Soft x-ray transmission and emission microscopy
	14:50-15:10	<u>Nikola Radić</u> , Zdravko Siketić, Ivančica Bogdanović-Radović, Maja Buljan, Uroš V. Desnica, Robert Slunjski, Branko Pivac, SiO _x THIN FILMS PREPARED BY MAGNETRON SPUTTERING
	15:10-15:30	<u>Miha Čekada</u> , M. Panjan, S. Paskvale, P. Panjan, D. Kek Merl, Deposition of TiAlN, CrN and TiAlN/CrN coatings by HPPMS
	15:30-15:50	<u>Hrvoje Zorc</u> , Spectroscopic ellipsometer Woollam – VVASE
	15:50-16:20	Break
	16:20-16.40	<u>Matjaž Godec</u> , ELECTRON BACKSCATTER DIFFRACTION (EBSD) CHARACTERISATION OF METALS
	16:40-17:00	<u>T. Car</u> , N. Radić, J. Ivkov, A. Tonejc, RELAXATION – CRYSTALLIZATION PROCESSES IN THE Al-(EARLY TRANSITION METALS) BINARY ALLOYS
	17:00-17:20	<u>Aleksandra Kocijan</u> , M. Jenko, Č. Donik, I. Marabotti, A. Morelli, L. M. Orsini, E. Martinelli, G. Galli, E. Chiellini, M. E. Pettitt, M. E. Callow, J. A. Callow, S. L. Conlan, R. J. Mutton, A. S. Clare, CHARACTERIZATION OF FLUORINATED/SILOXANE COPOLYMER–PDMS BLEND COATINGS FOR THE BIOFOULING CONTROL
	17:20-17:40	<u>Aleksandra Turković</u> , SAXS/WAXD/DSC Study of Superionic Polymer Electrolyte
	17:40-17:50	<u>Slavko Žižek</u> , Presentation of SCAN and Pfeiffer Balzer
	17:50-18:00	<u>Tanja Mlakar</u> , Merel

	18:00-19:00	Break
	19:00-21:00	Poster session and dinner
Friday		
	9:00-9:20	<u>Iva Bogdanović Radović</u> , Zdravko Siketić, Natko Skukan and Milko Jakšič, New analytical methods in the Laboratory for Ion Beam Interactions at the RBI: TOF-ERDA and coincident elastic scattering
	9:20-9:40	<u>Janez Kovač</u> , Tatjana Filipič, Anton Zalar, CHARACTERISATION OF THIN ORGANIC COATINGS AND MULTILAYER STRUCTURES WITH X-RAY PHOTOELECTRON SPECTROSCOPY – XPS
	9:40-10:00	<u>Pervan Peter</u> , Graphene - a rising star in material science
	10:00-10:20	<u>Ita Junkar</u> , Alenka Vesel, Uroš Cvelbar, Miran Mozetič, Metka Krašna, Dragoslav Domanovič, PLASMA SURFACE MODIFICATION OF VASCULAR GRAFTS
	10:20-10:40	Break
	10:40-11:00	<u>N. Krstulović</u> , S Milošević, Effects of dual-pulse laser ablation for treatment of materials
	11:00-11:20	<u>Vincenc Nemanič</u> , Hydrogen permeation measurements of very small flow rates
	11:20-11:40	<u>J. Sancho-Parramon</u> , V. Janicki, H. Zorc, M. Lončarić, Modification of optical properties of metal island films by electric field assisted dissolution of clusters
	11:40-12:00	<u>O. Milat</u> , Crystallography of advanced materials with composite structure
	12:00-13:00	Break
	13:00	Lunch and Celebration of 50th anniversary of Slovenian Vacuum Society

Posters, Thursday; 19:00-21:00

		<u>Sefer Avdiaj</u> , Janez Šetina, MODELING OF PIEZOELECTRIC EFFECT BY FINITE ELEMENT METHOD (FEM)
		<u>Igor Belič</u> , The modified pseudo-gradient algorithm for residual gas analysis
		<u>Tomaž Bevk</u> , Niko Herakovič, Optimization of dynamic behaviour of pneumatic valves
		<u>M. Biščan</u> , Z Kregar, N Krstulović, and S Milošević, Optical emission spectroscopy of inductively coupled RF methane plasma
		<u>V. Janicki</u> , H. Zorc, J. Sancho Parramon, K. Salamon, M. Buljan, N. Radić, U. Desnica, Ellipsometric study of thermally-induced formation of Ge nanoparticles in Ge/SiO ₂ mixture layers
		<u>Marko Jerčinović</u> , Nikola Radić, Mirko Stubičar, Hrvoje Zorc, CALCULATION OF INTERNAL STRESS FROM THIN FILM BUCKLING PATTERN
		<u>Stanislav Južnič</u> , Slovenian-Croatian Vacuum and Related Instruments Exchange in Illyrian Provinces (On Bicentenary of Illyrian Provinces Establishment)
		<u>Z Kregar</u> , N Krstulović, N Glavan Vukelić, S Milošević, E - H mode transitions and hysteresis effects of inductively coupled RF water vapour plasm
		<u>N. Krstulović</u> , D. Vujošević, Z. Vratnica, S. Milošević, U. Cvelbar, K. Eleršič, I. Junkar, A. Drenik, T. Vrlinič, M. Mozetič, Optical emission spectroscopy characterization of oxygen plasma during degradation of bacteria
		N. Krstulović, U. Cvelbar, A. Vesel, <u>S. Milošević</u> , M. Mozetič, Optical emission spectroscopy characterization of oxygen plasma during oxidation of aluminium foils
		<u>Matjaž Panjan</u> , M. Čekada, P. Panjan, R. Cremer, Influence of rotation on microstructural and mechanical properties of sputtered hard coatings

		<u>Peter. Panjan</u> , M. Čekada, M. Panjan, S. Paskvale, D. Kek Merl Supernitride hard coatings
		Srečko Paskvale, Markus Kahn, Miha Čekada, <u>Peter Panjan</u> Tribological properties of TiAlN/a-CN _x coatings
		<u>I. Paulin</u> , C. Donik, D. Jenko, and M. Jenko, Characterization of Oxides on DSS
		<u>Andrej Pregelj</u> , Robert Rozman, France Brecej, Multicell gas-arrester for better arc extinguishing
		<u>Branko Šantić</u> , Davor Gracin, Krunoslav Juraić, Determination of the refractive index of thick transparent samples
		<u>Makfir Sefa</u> , Janez Šetina, Igor Belič, MODELING OF OFFSET CORRECTION OF SPINNING ROTOR VACUUM GAUGE WITH NEURAL NETWORKS
		<u>Barbara Šetina Batič</u> , Monika Jenko, Ion beam sputtering of FeSi alloy with added surface active elements: the formation of facet-like structures
		Jovica Ivkov, Matej Komelj, <u>Denis Stanić</u> , Petar Popčević, Petar Gille, Zvonko Jagličić, Jani Dolinšek, Ana Smontara, Hall effect in crystalline orthorombic <i>o</i> -Al ₁₃ Co ₄ approximants to the decagonal quasicrystals
		<u>Denis Stanić</u> , Ivo Batistić, Jovica Ivkov, Petar Popčević, Marc Heggen, Marc Feuerbacher, Ana Smontara Thermal conductivity of <i>T</i> -Al ₇₃ Mn _{27-x} Fe _x phases
		Kristina Eleršič, <u>Alenka Vesel</u> , Miran Mozetič, Aljoša Košak, Andrej Žnidaršič Streptavidin coated magnetic nanobeads for immuno-diagnostic tests
		<u>A. Drenik</u> , A. Vesel, M. Mozetič, P. Panjan, M. Čekada, N. Krstulović, M. Milošević, RESEARCH OF AMORPHOUS HYDROGENISED CARBON DEPOSIT REMOVAL BY NEUTRAL OXYGEN RADICALS