

X-TH INTERNATIONAL SEMINAR ON PHYSICS AND CHEMISTRY OF SOLIDS

TIME TABLE AND SCIENTIFIC PROGRAM

Sunday 6-06-2004

Arrival day. Registration	
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Monday 7-06-2004

10 ⁰⁰ – 10 ³⁰	Opening. Greeting. Professor Ivan Vakarchuk. Greeting. Professor Zygmunt Bąk.
Plenary lecture	
10 ³⁰ – 11 ⁰⁰	Yosyp Stakhira. THE MECHANISMS OF PIEZOPHOTOCONDUCTIVITY IN SEMICONDUCTORS
Oral presentations	
11 ⁰⁰ – 11 ²⁰	Arkadiusz Mandowski. THERMOLUMINESCENCE KINETICS IN COMPLEX SYSTEMS - THEORY AND ANALYSIS
11 ²⁰ – 11 ⁴⁰	Yurij Zorenko. LUMINESCENCE OF ISOELECTRONIC IMPURITIES IN PHOSPHORS BASED ON GARNET COMPOUNDS
11 ⁴⁰ – 12 ⁰⁰	M. Grinberg, Y.R. Shen, and R.S. Meltzer. HIGH PRESSURE PHOTOLUMINESCENCE STUDY OF RARE EARTHS DOPED OXIDE CRYSTALS
Coffee Break	
Oral presentations	
12 ³⁰ – 12 ⁵⁰	Zdzisław M. Stepień. INTERACTION OF HYDROGEN WITH (111) NICKEL PLANE IN A HIGH ELECTRIC FIELD
12 ⁵⁰ – 13 ¹⁰	Katarzyna Książek and Tadeusz Górecki. VACANCIES AND CHANGES IN THE SURFACE ENERGY OF ALKALI HALIDES ON PASSING THROUGH THE MELTING POINT
13 ¹⁰ – 13 ³⁰	Zygmunt Bąk. POSSIBLE CONTRIBUTION OF THE MULTIPHONON COMPLEXES TO THE FORMATION OF THE SUPERCONDUCTIVITY
13 ³⁰ – 13 ⁵⁰	R. Gladyshevskii, N. Krutyak, S. Mudry, M. Pashkovskii, I. Solskii. PHASE TRANSITION IN LEAD TUNGSTATE
13 ⁵⁰ – 14 ¹⁰	Stefan Giller. SIMPLE APPLICATION OF FUNDAMENTAL SOLUTIONS METHOD IN 1D QUANTUM MECHANICS
14 ¹⁰ – 14 ³⁰	Yaroslav Dovgyj. ELECTRONS AND EXITONS IN COPPER OXIDE CRYSTALS
Lunch	
16 ⁰⁰ – 18 ⁰⁰	POSTER SESSION A

Tuesday 8-06-2004

Plenary lecture	
10 ⁰⁰ – 10 ³⁰	Andrzej Budzanowski. THE SIGNIFICANCE OF M. SMOLUCHOWSKI'S WORK IN SUBATOMIC PHYSICS
Oral presentations	
10 ³⁰ – 10 ⁵⁰	B.Ya. Kotur, O.R. Myakush, E. Bauer. INFLUENCE OF THE NATURE OF RARE EARTH AND 3-d ELEMENTS ON ELECTRICAL CONDUCTIVITY OF ThMn ₁₂ - AND Th ₂ Zn ₁₇ - TYPE TERNARY AND PSEUDOTERNARY ALUMINIDES

10 ⁵⁰ – 11 ¹⁰	K.Perduta, P.Bragiel, M.Piasecki, H.Fukunaga. TEMPERATURE DEPENDENCE OF THE MAGNETIC PROPERTIES OF Fe _{85.4} Zr _{6.8-x} M _x B _{6.8} Cu ₁ (M= Nb,Mo,Ti, x=0, 1) ALLOYS
11 ¹⁰ – 11 ³⁰	V.Yo.Stadnyk, M.O.Romanyk, J.Stankowska, V.I.Kardash. REFRACTION PROPERTIES OF MECHANICALLY CLUTCHED ADMIXTURED TGS CRYSTALS
Coffee Break	
Oral presentations	
12 ⁰⁰ – 12 ²⁰	B.B.J. Linde, W. Żwirbla. ULTRASONIC INVESTIGATION OF PSEUDO-STABLE STRUCTURE CREATION IN WATER MIXTURES OF SOME GLYCOLS
12 ²⁰ – 12 ⁴⁰	O.M.Kudin, L.A.Andruschenko, V.Yu.Gres, Yu.T.Vyday, T.O.Charkina. THE NATURE AND THE MECHANISM OF DEAD LAYER APPEARANCE IN CsI(Na) SCINTILATING CRYSTALS
12 ⁴⁰ – 13 ⁰⁰	Andrzej Ślęzak, Jolanta Jasik-Ślęzak, Jacek Waśik, Kornelia Ślęzak. EFFECT OF BOUNDARY LAYERS IN A DIFFUSIVE FLOWS OF ELECTROLYTE SOLUTIONS THROUGH POLYMERIC MEMBRANE
13 ⁰⁰ – 13 ²⁰	Iryna Stratiychuk, Zinaida Tomashik, Vasyl Tomashik, Petro Feychuk, Sergiy Drygybka. INTERACTION OF UNDOPED AND DOPED CdTe, Zn _x Cd _{1-x} Te AND Hg _{1-x} Cd _x Te SOLID SOLUTIONS WITH THE ETCHING COMPOSITIONS OF THE H ₂ O ₂ -HBr-GLYCOL SYSTEM
13 ²⁰ – 13 ⁴⁰	Ryszard Siuda. PRINCIPAL COMPONENTS AND FACTOR ANALYSIS AS TOOLS FOR SPECTRA INTERPRETATION IN ELECTRON SPECTROSCOPY
13 ⁴⁰ – 14 ⁰⁰	Alexander Kalush, Valeriy Voronin. THE INFLUENCE OF IRRADIATION ON ELECTROPHYSICAL PROPERTIES OF LEAD DIIODIDE BASED STRUCTURES
Lunch	
16 ⁰⁰ – 18 ⁰⁰	POSTER SESSION B
Conference Dinner	

Wednesday 9-06-2004

Plenary lecture	
10 ⁰⁰ – 10 ³⁰	Ivo Kraus. DIFFRACTION ANALYSIS OF THE INHOMOGENEOUS RESIDUAL STRESS STATE
Oral presentations	
10 ³⁰ – 10 ⁵⁰	Teresa Biernat and Ryszard Błaszczyszyn. DIFFUSION OF DYSPROSIUM ON THE W(111) FACET
10 ⁵⁰ – 11 ¹⁰	G.Dmytriv, H.Pauly, H.Ehrenberg. SOLID SOLUTIONS WITH NaTi STRUCTURE IN THE Li-Ag-In AND Li-Zn-Al SYSTEMS
11 ¹⁰ – 11 ³⁰	P.Fochuk, O.Panchuk, Ye.Verzhak. NATIVE POINT DEFECTS IN PURE CdTe
11 ³⁰ – 11 ⁵⁰	W. Gryk, M. Grinberg, M. Malinowski. HIGH PRESSURE SPECTROSCOPY OF Pr ³⁺ DOPED LiNbO ₃ CRYSTAL
11 ⁵⁰ – 12 ¹⁰	Dariusz Man, Marian Podolak, Ryszard Olchawa, Barbara Pytel, Martyna Pawletta. INFLUENCE OF TEMPERATURE ON FORMING OF ELECTRIC DOMAINS IN THE SURFACE LAYER OF LIPID MEMBRANES – COMPUTER MODEL
Departure	