

Schedule of invited presentations of the SSSI 04 workshop

November 8

13:00	–	13:10	Opening remarks
Chairman		H. Kobayashi	
13:10	–	13:55	I. Ohlídal: <i>Combination of optical methods and atomic force microscopy at characterization of thin film systems</i> , Masaryk University Brno, Czech Republic.
13:55	–	14:40	J. Szuber: <i>XPS study of surface chemistry and electronic properties of L-CVD SnO₂ thin films</i> , SU Gliwice, Poland.
14:40	–	15:25	P. Šutta: <i>How does X-ray diffractometry „take in” real structure of thin films and interfaces</i> , UWB Plzen, Czech Republic.
15:25	–	15:55	Coffee break
Chairman		V.M. Orera	
15:55	–	16:40	P. Bury: <i>Acoustoelectric Effect on Semiconductor Interfaces - Way for Their Characterization</i> , ZU Zilina, Slovakia.
16:40	–	17:20	J. Zemek: <i>Electron transport at solid surfaces</i> , IP AS Prague, Czech Republic.
17:20	–	17:30	Coffee break
17:30	–	19:10	Short contributions

November 9

Chairman		I. Ohlídal	
8:00	–	8:45	H. Kobayashi: <i>Low temperature formation of SiO₂/Si structure by nitric acid oxidation method and its application to Si devices</i> , Osaka University, Japan.
8:45	–	9:30	T. Makabe: <i>Modeling of Plasma Etching of Organic low-k Materials in ULSI processing</i> , KEIO University, Yokohama, Japan.
9:30	–	10:00	Coffee break
Chairman		P. Bury	
10:00	–	10:40	M. Jergel: <i>Multilayer interference mirrors for X-EUV optics</i> , IoP SAS Bratislava, Slovakia.
10:40	–	11:20	J. Müllerová: <i>Structural and optical studies of Si thin films: from amorphous to nanocrystalline silicon</i> , FEE UZ L. Mikulas, Slovakia.
11:20	–	12:00	S. Chromík: <i>Hg- based superconducting thin films on CeO₂ buffered R-plane Al₂O₃ substrates</i> , SAS Bratislava, Slovakia.
12:00	–	13:00	Lunch
Chairman		T. Makabe	
13:00	–	13:45	M. Hartmanová: <i>Effect of structural imperfections on the characteristics of YSZ dielectric</i> , IoP SAS Bratislava, Slovakia.
13:45	–	14:30	R. Durný: <i>Origin of charged gap states in a-Si:H and their evolution during light soaking</i> , SUT Bratislava, Slovakia.
14:30	–	15:00	On Conference Solar Renewable Energy News (SREN 2005) – Florence, Italy, April 2-8, 2005, Vivahotels Alexander and Fleming.

November 10		
Chairman		D.H.A. Blank
8:00	–	8:45 Zs.J. Horváth: “ <i>Electrical behaviour of contacts to III-V semiconductors</i> ”, MTA MFA Budapest, Hungary.
8:45	–	9:30 R.D. Gould: <i>Cadmium telluride thin films: High-Field electrical conduction in a wide bandgap material</i> , Keele University, Great Britain.
9:30	–	10:00 Coffee break
Chairman		M. Blamire
10:00	–	10:40 C. Marcenat: <i>Anisotropies of the lower and upper critical fields in MgB₂ single crystals</i> , CEA Grenoble, France.
10:40	–	11:20 R.S. Gonnelli: <i>The effects of carbon and aluminum substitutions in MgB₂ single crystals studied by point-contact spectroscopy</i> , DF PT Torino, Italy.
11:20	–	12:00 L. Ortega: <i>X-ray diffraction of crystals modulated by surface acoustic waves</i> , CNRS Grenoble, France.
12:00	–	13:00 Lunch
Chairman		J. Szuber
13:00	–	13:45 V.M. Orera: <i>Microtextured ceramics for high temperature structural applications</i> , ICMA UZ Zaragoza, Spain.
13:45	–	14:30 D.H.A. Blank: <i>Artificial layered structures: making advantage of interfaces</i> , University of Trente, The Netherlands.
14:30	–	15:00 Coffee break
Chairman		H. Frank
15:00	–	15:45 M. Blamire: <i>The growth of complex oxide thin films</i> , UC Cambridge, Great Britain.
15:45	–	17:50 Short contributions
17:50	–	19:00 Poster session
November 11		
Chairman		A. Pleceník
8:00	–	8:45 P. Samuely: <i>Intrinsic Josephson junction superconductor based on NbSe₂</i> , IEP SAS Kosice, Slovakia.
8:45	–	9:30 H. Frank: <i>Injection and extraction currents in thin zirconium oxide films</i> , CTU Prague, Czech Republic..
9:30	–	10:00 Coffee break
Chairman		C. Marcenat
10:00	–	10:45 G.N. Goltsman and R. Sobolewski: <i>Nanostructured Superconducting Single-Photon Optical Detectors</i> , University of Rochester, USA.
10:45	–	11:25 A. Macková: <i>Surface and interface study using nuclear analytical methods</i> , NPI AS Rez, Prague, Czech Republic.
11:25	–	12:10 A. Pleceník: <i>Micro- and nanostructures for cryoelectronics</i> , FMFI CU Bratislava, Slovakia.
12:10	–	12:15 Conclusion

Schedule of contributed oral presentations of the SSSI 04 workshop

November 8, 2004:

Chairman		R.S. Gonnelli
17:30	–	17:55 M. Akiyama: <i>Fabrication of a-Si:H photodiode films on polycrystalline silicon for avalanche multiplication type stacked image sensor</i> , Nagano National College of Technology, Nagano City, Japan.
17:55	–	18:20 P. Klapetek: <i>Application of the wavelet transform in AFM data analysis</i> , Czech Metrological Institute, Brno, Czech Republic.
18:20	–	18:45 M. Mikula: <i>Surface properties of dielectric barrier discharge treated polypropylene in air and nitrogen</i> , FCHFT SUT, Bratislava, Slovakia.
18:45	–	19:10 M. Kubovič: <i>FETs fabricated on hydrogen-terminated nanocrystalline surface</i> , University of Ulm, Ulm, Germany.

November 10, 2004:

Chairman		G.N. Gol'tsman
15:45	–	16:10 R.I. Merino: <i>Novel photonic materials made from ionic eutectic compounds</i> , University of Zaragoza, Zaragoza, Spain.
16:10	–	16:35 J. Doupovec: <i>Lightguiding structures based on SiO₂ aerogel</i> , Institute of Physics SAS, Bratislava, Slovakia.
16:35	–	17:00 L. Skatkov: <i>On the porous structure of Si films obtained by MBE</i> , PCB "Argo" Ltd, Beer Sheva, Israel.
17:00	–	17:25 M. Kopáni: <i>"IR spectroscopy of a-Si:H and a-SiC:H"</i> , Comenius University, Bratislava, Slovakia.
17:25	–	17:50 M. Weis: <i>Relaxation phenomena in the Langmuir film</i> , FEEI SUT, Bratislava, Slovakia.

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