

PROGRAMME OF ISSRNS 2004

8th June, 2004 Tuesday	
13.00	Lunch
14.00	Opening Session
14.00 - 14.10	<u>Opening Address</u> , S. Kucharski , Dean of the Faculty of Mathematics, Physics and Chemistry of the University of Silesia
14.10 - 14.20	<u>Introductory talk</u> , B.A. Orłowski , President of the Polish Synchrotron Radiation Society
14.20 - 14.30	K. Lawniczak-Jablonska , <u>Professor Julian Auleytner - In Memoriam</u>
14.30 - 15.00	M. Taniguchi , Hiroshima Synchrotron Radiation Center, Japan, <u>Recent progress in synchrotron - radiation photoemission spectroscopy of solids: applications of VUV, soft and hard X-ray radiation</u> (L-01)
15.00 - 15.30	E.J. Nordgren , Uppsala University, Sweden, <u>Soft X-ray resonant inelastic scattering for materials science</u> (L-12)
15.30 - 16.00	O. Leupold , ESRF, France, <u>Nuclear resonance scattering of synchrotron radiation - experiments under extreme conditions</u> (L-02)
16.00 - 16.30	Coffee break
16.30 - 17.00	L. Gerward , Technical University of Denmark, Denmark, <u>X-ray diffraction at high pressure and high/low temperatures using synchrotron radiation. Applications in the study of spinel structures</u> (L-11)
17.00 - 17.30	H. Schober , Forschungszentrum Jülich, Germany, <u>Vibrations, tunneling and atomic jumps in amorphous solids</u> (L-13)
17.30 - 17.45	W. Gawelda , Laboratoire de Spectroscopie Ultrarapide, Ecole Polytechnique Fédérale de Lausanne and Swiss Light Source, Paul-Scherrer Institut, Villigen, Switzerland, <u>Electronic and Molecular Structure of Excited Ruthenium Polypyridyl Complexes from Picosecond X-ray Absorption Spectroscopy</u> (O-05)
17.45 - 18.00	S. Mickevičius , Semiconductor Physics Institute, Vilnius, Lithuania, <u>X-ray photoelectron spectroscopy study of MBE grown Gd/EuTe multilayers</u> (O-01)
18.00	Dinner
9th June, 2004 Wednesday	
8.00 - 8.45	Breakfast
9.00 - 9.30	Hidezo Mori , National Cardiovascular Center Research Institute, Japan, <u>Micro-angiographic system using synchrotron radiation and conventional x-ray source for visualizing angiogenic vessels induced by cardiovascular regeneration therapy</u> (L-14)
9.30 - 10.00	J.H. Je , Pohang University of Science and Technology, Korea, <u>Real-time microradiology using synchrotron x-rays</u> (L-03)
10.00 - 10.30	A. Cricenti , Istituto di Struttura della Materia, Rome, Italy, <u>Infrared free electron laser nanospectroscopy in materials science and biology</u> (L-15)
10.30 - 11.00	M. Drakopoulos , RAL, Chilton, Didcot, UK, <u>X-ray lenses: new applications for the natural sciences</u> (L-16)
11.00 - 11.30	Coffee break
11.30 - 12.00	H. Metzger , ESRF, Grenoble, France, <u>Quantum dots in the light of synchrotron radiation</u> (L-04)
12.00 - 12.30	V. Holý , Masaryk University, Brno, Czech Republic <u>Investigation of self-organized semiconductor quantum dots by synchrotron radiation scattering</u> (L-05)
12.30 - 13.00	G. Faigel , Research Institute for Solid State Physics and Optics, Hungarian Academy of Sciences, Budapest, Hungary, <u>Clusters in the XFEL beam</u> (L-17)
13.00 - 14.00	Lunch
17.00 - 17.30	P. Fischer , Max Planck Institut für Metallforschung, Stuttgart, Germany, <u>Looking at micromagnetic structures on short length and fast time scales with magnetic</u>

	<i>transmission soft X-ray microscopy</i> (L-18)
17.30 - 18.00	V. Honkimäki , ESRF, Grenoble, France, <i>High energy x-ray diffraction</i> (L-19)
18.00 - 18.30	K. Ellmer , Hahn-Meitner-Institut, Berlin, Germany
18.30	Dinner
19.15 - 19.30	H. Mori , National Cardiovascular Center Research Institute, Suita, Kyushu University, Fukuoka and SPring 8, Sayo, Japan, <i>Application of protein crystallography and in-situ x-ray diffraction measurement toward fundamental understanding and development of specific drugs for intractable myocardial diseases</i> (O-06)
19.30 - 19.45	I.A. Kowalik , Institute of Physics, Polish Academy of Sciences, Warsaw, Poland, <i>Ti interaction with GaN surface - a resonant photoemission study</i> (O-02)
20.00	Poster session
10th June, 2004 Thursday	
7.00 - 7.30	Breakfast
7.30 - 13.00	Excursion
13.00 - 14.00	Lunch
14.30 - 15.00	Y. Waseda , Tohoku University, Japan, <i>Anomalous (resonance) X-ray scattering for materials characterisation with synchrotron radiation</i> (L-06)
15.00 - 15.30	B. Ravel , NRL, Washington, USA, <i>A practical guide to multiple scattering theory in EXAFS analysis</i> (L-20)
15.30 - 16.00	A. Somogyi , ESRF, France, <i>Application of synchrotron radiation excited X-ray microprobe techniques in environmental science</i> (L-21)
16.00 - 16.30	Coffee break
16.30 - 17.00	M. Tegze , Research Institute for Solid State Physics and Optics, Hungarian Academy of Sciences, Budapest, Hungary, <i>X-ray holography: atoms in 3D</i> (L-23)
17.00 - 17.30	J. Sadowski , MAXLAB, Lund, Sweden, <i>Mn in ferromagnetic semiconductor (In, Ga)MnAs - synchrotron radiation, X-ray diffraction and scanning probe studies</i> (L-22)
17.30 - 17.45	A. Witkowska , Gdansk University of Technology, Poland, <i>Structure of partially reduced bismuth-silicate glasses: a combined EXAFS and MD study</i> (O-08)
17.45 - 18.00	I. Demchenko , Institute of Physics Polish Academy of Sciences, Warsaw, Poland, <i>Studies of Ge/Si nanostructures: PL, EXAFS and TEM</i> (O-03)
19.00	Conference dinner
11th June, 2004 Friday	
8.00 - 8.45	Breakfast
9.00 - 9.30	D. Raoux , Soleil, Saint Aubin, France, <i>SOLEIL a third generation synchrotron for material, environmental and life sciences</i> (L-07)
9.30 - 10.00	G. Materlik , Diamond, RAL, Chilton, Didcot, UK, <i>Diamond light source - a next generation synchrotron facility</i> (L-08)
10.00 - 10.30	E. Weckert , HASYLAB, Hamburg, Germany, <i>PETRA-III: A new high-brilliance high-energy synchrotron radiation source at DESY</i> (L-24)
10.30 - 11.00	J.C. Dore , University of Kent, Canterbury, UK, <i>Structural studies of nano-structured carbons: complementary x-ray and neutron techniques using short wavelengths</i> (L-26)
11.00 - 11.30	Coffee break
11.30 - 12.00	D.L. Nagy , KFKI, Research Institute for Particle and Nuclear Physics, Hungary, <i>Formation and transformation of domains in antiferromagnetically coupled multilayers</i> (L-09)
12.00 - 12.30	J. Susini , ESRF, France, <i>X-ray optics and X-ray microscopies: new challenges</i> (L-25)
12.30 - 13.00	M. Szymonski , Jagiellonian University, Krakow, Poland, <i>Towards Establishing of National Centre of Synchrotron Radiation in Poland</i> (L-10)
13.00 - 14.00	Lunch
16.00 - 18.00	Annual General Meeting of the Polish Synchrotron Radiation Society

18.00 - 18.30	J. Majewski , LANL, USA, <u>Synchrotron grazing incidence X-ray diffraction and reflectometry investigations of Langmuir monolayers: from simple amphiphiles to model lipid membranes and their interactions with toxins</u> (L-28)
18.30	Dinner
19.15 - 19.30	M. Sikora , AGH University of Science and Technology, <u>XMCD stude of double perovskites (Sr,Ba,Ca)₂FeReO₆</u> (O-09)
19.30 – 19.45	P. Lecante , CEMES, CNRS, Toulouse, France, <u>Combination WAXS, HREM and EXAFS structural study of bimetallic nanoparticles</u> (O-07)
19.45 – 20.00	PREVAC presentation
20.00	Poster session
12th June, 2004 Saturday	
8.00 - 8.45	Breakfast
9.00 - 9.30	W.G. Stirling , ESRF, Grenoble, France <u>X-ray and neutron scattering studies of the magnetic structures of actinide mixed crystals (UAs-USe and USb-PuSb)</u> (L-27)
9.30 - 10.00	M. Wilmanns , EMBL, Hamburg, Germany, <u>Novel opportunities in life sciences at synchrotron sites</u> (L-29)
10.00 - 10.30	U. Mueller , BESSY, Berlin, Germany, <u>The protein structure factory x-ray diffraction beamlines at BESSY - results from structural studies of human proteins</u> (L-30)
10.30 - 11.00	M.S. Weiss , EMBL, Hamburg, Germany, <u>The use of longer X-ray wavelengths in protein crystallography</u> (L-31)
11.00 - 11.30	Coffee break
11.30 - 12.00	F. Gozzo , Paul Scherrer Institut, Villigen, Switzerland, <u>High-resolution and time-resolved powder diffraction at the Swiss Light Source</u> (L-32)
12.00 - 12.30	F. Boscherini , University of Bologna, Italy, <u>X-ray absorption in materials science and nanostructures: recent results and outlook</u> (L-34)
12.30 - 13.00	E. Umbach , University of Wuerzburg, Germany, <u>Direct observation of organic layer growth by dynamic spectroscopy using high-brilliance synchrotron radiation</u> (L-33)
13.00 - 14.00	Lunch
17.00 - 17.30	C. Janowitz , Humboldt University and BESSY, Berlin, Germany, <u>Exploring the phase diagram of the Bi-cuprates by photoemission</u> (L-35)
17.30 - 18.00	L. Wcislak , Department of Physics and Astronomy at the University of Denver, Colorado, USA, <u>High resolution XRD and imaging nano-, meso-, and micro-structured advanced materials by moving area detector method with high energy synchrotron radiation</u> (L-36)
18.00 - 18.30	R. Cavell , University of Alberta, Canada
18.30 – 18.45	R. Mueller , Physikalisch-Technische Bundesanstalt, Berlin, Germany, <u>The PTB Laboratory at BESSY II - radiometry with synchrotron radiation</u> (O-10)
18.45 - 19.00	P. Zajdel , University of Silesia, Katowice, Poland, <u>The influence of the concentration of Sb⁵⁺ ions onto the local crystal and electronic structures of CuCr_{2-x}Sb_xS₄ (x=0.3, 0.4, 0.5) studied by XANES and EXAFS measurements and LAPW numerical calculations</u> (O-04)
19.00 - 19.15	Closing session
19.30	Barbecue
13th June, 2004 Sunday	
8.00 - 9.00	Breakfast
End of conference	