

SUNDAY, 6th June 2010

17:30 – 17:40	<i>Opening</i>		
17:40 – 18:20	Wladek Minor , Univ. of Virginia, Charlottesville, USA <i>Impact of 3rd generation synchrotron sources on structural biology</i>	L01	42
18:20 – 19:00	Augusto Marcelli , Laboratori Nazionali di Frascati, Frascati (Rome), Italy <i>Biological applications of synchrotron radiation infrared spectromicroscopy</i>	L02	43
19:00 – 20:00	Dinner		

MONDAY, 7th June 2010

9:00 – 9:40	Paolo Ghigna , Univ. of Pavia, Italy <i>Synchrotron radiation in solid state chemistry</i>	L03	44
9:40 – 10:20	Ullrich Pietsch , Univ. of Siegen, Siegen, Germany <i>X-ray strain evaluation at individual semiconductor nanowires</i>	L04	45
10:20 – 10:40	Christian Pettenkofer , Helmholtz Zentrum, Berlin, Germany <i>Chemical nature of N-ions incorporated into epitaxial ZnO films</i>	O01	46
10:40 – 11:00	Coffee break		
11:00 – 11:40	Udo Heinemann , Max Delbrueck Center for Molecular Medicine, Berlin, Germany <i>Use of synchrotron radiation in studies of protein structure and nucleic acid binding</i>	L05	47
11:40 – 12:20	Kenya Shimada , Hiroshima Synchrotron Radiation Center, Hiroshima Univ., Higashi-Hiroshima, Japan <i>Many-body interactions in solids studied by high-resolution ARPES using synchrotron radiation</i>	L06	48
12:20 – 13:00	Andrzej Kuczmow , The John Paul II Catholic Univ. of Lublin, Poland <i>Microchemical and structural regular variability of apatites in "overbuilt" enamel and dentin of human molar teeth</i>	L15	64
13:00 – 14:30	Lunch		
14:30 – 17:30	Excursion 1		
17:40 – 18:20	Yngve Cerenius , MaxLab, Lund Univ., Lund, Sweden <i>First phase beamlines on MAX IV</i>	L08	50
18:20 – 19:00	Dieter Einfeld , ALBA, Barcelona, Spain <i>Trends in state of the art storage ring based SR sources</i>	L09	51
19:00 – 20:00	Dinner		
20:00 – 22:00	Poster session 1		

TUESDAY, 8th June 2010

9:00 – 9:40	Victor Lamzin , EMBL-Outstation c/o DESY Hamburg, Germany <i>Mapping the protein world: Over 1500 biomolecular structures solved on-line at EMBL-Hamburg</i>	L10	52
9:40 – 10:20	Sebastian Thiess , Hasylab at DESY, Hamburg, Germany <i>Site specific XPS: Structural and electronic properties investigated by X-ray standing waves</i>	L11	54
10:20 – 10:40	Krystyna Ławniczak-Jabłońska , Institute of Physics PAS, Warsaw, Poland <i>The shape anisotropy of the MnSb inclusions formed in GaSb matrix as probed by XMCD</i>	O02	56
10:40 – 11:00	Coffee break		
	<i>Session A</i>		
11:00 – 11:40	Heinz Amenitsch , Elettra, Trieste, Italy <i>SAXS & GISAXS in bionanotechnology</i>	L12	58
11:40 – 12:20	Manfred Roessle , EMBL-Outstation c/o DESY Hamburg, Germany <i>Structural studies of biological macromolecules in solution using synchrotron small-angle X-ray scattering</i>	L13	59

12:20 – 12:40	Massimo Reconditi , Univ. of Florence, Italy <i>SAXS studies of the muscle cell to identify the force-generating myosin molecules</i>	O03	60
12:40 – 13:00	Henryk Drozdowski , A. Mickiewicz Univ., Poznań, Poland <i>Determination of electron radial distribution function for liquid cyclohexylamine by X-ray diffraction</i>	O04	61
	<i>Session B</i>		
11:00 – 11:40	Kristina Kvashnina , ESRF, Grenoble, France <i>X-ray absorption and emission spectroscopy of rare-earth materials</i>	L14	62
11:40 – 12:20	Bogdan Kowalski , Institute of Physics, PAS, Warsaw, Poland <i>Photoelectron spectroscopy in studies of the band structure of IV-VI spintronic materials</i>	L07	157
12:20 – 12:40	Jan Ivanco , Institute of Physics, Slovak Acad. of Sci., Bratislava, Slovak Republic <i>Top metal contact on an organic film: Indium on copper phthalocyanine</i>	O05	65
12:40 – 13:00	Abdul Ghaffar , Univ. of Vienna, Austria <i>Confinement-induced structural changes of lithium and sodium in nano-porous silica glass</i>	O06	66
13:00 – 14:30	Lunch		
14:30 – 16:30	Time for mountain activities		
16:30 – 17:00	Coffee break		
17:00 – 19:00	Poster session 2		
19:00 – 20:00	Dinner		
20:00 – 22:00	JANA Workshop – “Solution for difficult structures”		

WEDNESDAY, 9th June 2010

9:00 – 9:40	Vaclav Petricek , Institute of Physics of the AS CR, Praha, Czech Republic <i>Jana2006 as a tool for solution and refinement of non-standard crystal structures</i>	L16	67
9:40 – 10:20	Jacek Gapiński , A. Mickiewicz Univ., Poznań, Poland <i>Application of X-ray scattering and diffraction techniques to studies of highly charged colloid suspensions in the vicinity of the crystallization point</i>	L17	68
10:20 – 10:40	Marek Żbik , Queensland Univ. of Technology, Brisbane, Australia <i>Synchrotron based transmission X-ray microscopy reveals smectite fine structure in an aqueous environment</i>	O07	69
10:40 – 11:00	Coffee break		
11:00 - 11:40	Vincenzo Lombardi , Univ. of Florence, Italy <i>X-ray interference measurements of the molecular motor of muscle with nanometer-microsecond resolution</i>	L18	70
11:40 – 12:20	Marian Cholewa , Monash Univ., Monash Centre for Synchrotron Science, Australia <i>High resolution X-ray microprobes and their applications</i>	L19	71
12:20 – 12:40	Tomasz Ślęzak , AGH Univ. of Science and Technology, Kraków, Poland <i>Depth-resolved magnetization structure at the spin reorientation transition in Fe/W(110) ultrathin films studied by the nuclear resonant scattering of synchrotron radiation</i>	O08	72
12:40 – 13:00	Robert Nietubyc , Institute for Nuclear Studies, Otwock-Świerk, Poland <i>Growth of niobium film on sapphire(001)</i>	O10	78
13:00 – 14:30	Lunch		
14:30 – 19:00	Excursion 2		
19:00 – 20:00	Dinner		
20:00 – 22:00	JANA Workshop – “Solution for difficult structures”		

THURSDAY, 10th June 2010

9:00 – 9:40	Marek Stankiewicz , Jagiellonian Univ., Kraków, Poland <i>Polish Synchrotron – present status</i>	L20	74
9:40 – 10:20	Mikael Eriksson , MaxLab, Lund Univ., Lund, Sweden <i>The accelerators for the Polish Light Source and MAX IV</i>	L21	75
10:20 – 11:00	Jacek Szade , August Chelkowski Institute of Physics, Univ. of Silesia, Katowice, Poland <i>Soft X-ray Spectroscopy - first beamline at Polish synchrotron</i>	L22	76
11:00 – 13:00	Annual General Meeting of the Polish Synchrotron Radiation Society		
13:00 – 14:30	Lunch		
14:30 – 15:10	Burkhard Kaulich , ELETTRA, Trieste, Italy <i>Transmission and emission soft X-ray spectromicroscopies for life and nanosciences at Elettra</i>	L23	77
15:10 – 15:30	Wojciech Wierzchowski , Institute of Electronic Materials Technology, Warsaw, Poland <i>X-ray topographic investigation of the deformation field around spots irradiated by flash single pulses</i>	O09	73
15:30 – 15:50	Jakub Szlachetko , ESRF, Grenoble, France <i>Application of wavelength-dispersive spectroscopy at ID21 X-ray Microscopy beamline of ESRF: new possibilities for micro-fluorescence and micro-XANES analysis</i>	O11	79
15:50 – 16:10	Wojciech Paszkowicz , Institute of Physics PAS, Warsaw, Poland <i>Properties of rare earth orthovanadates under high pressure</i>	O12	80
16:10 – 16:30	Lukasz Walczak , Universidad Autónoma de Madrid, Spain <i>Electronic structure and crystalline structure of vicinal Beryllium surfaces</i>	O13	81
16:30 – 16:55	Coffee break		
	<i>Special session "Numerical optimization methods: Applications in synchrotron science"</i>		
16:55 – 17:00	Wojciech Paszkowicz , Institute of Physics PAS, Warsaw, Poland <i>Introduction</i>		
17:00 – 17:40	Cristian V. Ciobanu , Colorado School of Mines, Golden, Colorado, USA <i>Genetic algorithms for structural optimization problems at the nanoscale</i>	L24	82
17:40 – 18:20	Enrique Garcia Michel , Universidad Autónoma de Madrid, Spain <i>Application of genetic algorithms to surface x-ray diffraction analysis</i>	L25	83
18:20 – 19:00	Hiroimitsu Tomizawa , Japan Synchrotron Radiation Research Institute (JASRI), XFEL Joint Project/SPring8, Hyogo, Japan <i>Strategy of metaheuristics algorithms for laser optimization</i>	L26	84
19:00 – 22:00	Conference dinner		

FRIDAY, 11th June 2010

9:00 – 9:40	Jürgen Härtwig , ESRF, Grenoble, France <i>Challenges in X-ray optics for modern X-ray sources</i>	L27	158
9:40 – 10:00	Wojciech Sławiński , University of Warsaw, Poland <i>Magnetoelastic coupling in $\text{CaMn}_7\text{O}_{12}$</i>	OC14	85
10:00 – 10:20	Marcin Zając , ESRF, Grenoble, France <i>In situ high temperature magnetic and dynamic properties of Fe(110) nanostructures studied with nuclear resonant scattering techniques</i>	OC15	86
10:20 – 10:40	Matteo Amati , Sincrotrone Trieste SCpA, Trieste, Italy <i>Recent achievement in characterization of micro- and nano-materials by scanning photoemission imaging and spectromicroscopy</i>	OC16	87
10:40 – 11:00	Coffee break		
11:00 – 11:40	<i>Closing ceremony</i>		