

AOFSRR 2015 in conjunction with User Meeting 2015

Friday, 27 November 2015

Poster Session 2 (13:30 - 14:15)

[id] title	presenter	board
[50] Pore microstructure variation in gradient consolidation of Pearl River Delta saturated clay	Dr SONG, Jing Dr YANG, Sam	
[163] Structural Changes Induced by Uniaxial Deformation and Photodegradation in Low Density Polyethylene	Dr GARVEY, Chris	
[12] Formation of surface U(V) by reduction of Ca-U-Carbonate complexes with nanoscale zero-valent iron	Mr TSAREV, Sergey	
[6] Incorporation of N-heterocyclic carbene moieties into MOFs	Mr CAPON, Patrick	AM-02
[28] Self-Selecting Homochiral Quadruple-Stranded Helicates and Mesocates	Ms BOER, Stephanie	AM-04
[42] Structural damage evaluation of a ceramic matrix composite	Dr ARHATARI, Benedicta	AM-06
[54] The Thermal Expansion of Li and Na intercalated ZrW ₂ O ₈	Mr AL BAHRI, Othman	AM-08
[66] Determination of sulfur in natural rubber for reversion process	Dr LIMPHIRAT, Wanwisa	AM-10
[91] Study of the precipitation strengthening in Mg-Sn-Zn alloy using synchrotron radiation	Mr BAHRAMI MOTLAGH, Ehsan	AM-12
[97] Photoemission study on local phase transition of MoTe ₂	Dr BAIK, Jaeyoon	AM-14
[110] A structural study and magnetic properties of electrospun carbon/manganese ferrite (C/MnFe ₂ O ₄) composite nanofibers	Dr KIDKHUNTHOD, Pinit	AM-16
[153] Spin Crossover in Iron(II) Imidazolylmethylene-aryl amine Complexes: Tuning by the substituent group on the ligand	Ms SERTPHON, Darunee	AM-18
[159] Anion ordering in complex perovskite oxynitrides AM _{0.2} Ta _{0.8} O _{2.8} N _{0.2} (A = Sr, Ba; M = Li, Na)	Prof. KIM, Young-Il	AM-20
[174] Investigation of the Phase Transition of CuSb ₂ O ₆ at High Temperatures by Synchrotron Powder Measurements	KANG, Hyung-Been	AM-22
[184] Determination of kinetics of pores formation during temperature controlled chemical de-alloying of Au-Ag ₅₀ alloys by in-situ SAXS/WAXS	Mr LIN, Bao	AM-24
[225] Cu _{5-x} Mn _x SbO ₆ Raman and Infrared Spectroscopy Investigations	Mr WILSON, Daniel Jeremy	AM-26
[22] Mechanistic insights into H9c2 differentiation of myoblasts to cardiac myocytes and skeletal muscle	Ms VERVERIS, Katherine	BS-02
[88] Development of a synchrotron FTIR microspectroscopy approach to evaluate the efficacy of candidate multiple sclerosis therapeutics	Mr DANG, Phuc	BS-04
[215] An Atlas of Metal Dependent Histone Deacetylase Expression in the Developing and Adult Mouse Brain	Ms MALIK, Neha	BS-06
[229] Supramolecular interactions in organoamidoplatinum(II) anticancer compound	Mrs OJHA, Ruchika	BS-08
[39] Small angle X-ray scattering beamline development at SSRF	Dr ZENG, Jianrong	BT-02

[59] High Resolution Powder X-ray Diffraction beamline at Taiwan Photon Source: Structural Characterization and Dynamics	Dr CHUANG, Yu-Chun	BT-04
[67] X-ray Spectroscopic Advances in Condensed Matter Interactions with X-rays	Prof. CHANTLER, Christopher Thomas	BT-06
[81] Performance of the PAL-designed all-in-one processor for PSIC or XBPM in Pohang Light Source-II	Dr PARK, Yong Jun	BT-08
[101] The AXXS Upgrade Proposal	Dr BOLAND, Mark	BT-10
[105] Lost in transmission? Recent outcomes with fast-framing cameras at the XFM beamline.	Dr DE JONGE, Martin	BT-12
[124] The Quick-scanning EXAFS Beamline at Taiwan Photon Source	Dr CHEN, Jeng-Lung	BT-14
[151] Quick AS NEXAFS Tool (QANT): A program for NEXAFS loading and analysis developed at the Australian Synchrotron	Dr THOMSEN, Lars	BT-16
[160] Construction status of PAL-XFEL	Mr KIM, Seungnam	BT-18
[164] Successful outreach at the AS and work-integrated learning	Dr HOXLEY, David	BT-20
[179] A study of beam stability improvements delivered by a monochromator upgrade to the Australian Synchrotron MX2 beamline	ERIKSSON, Daniel Dr ARAGAO, David CARADOC-DAVIES, Tom	BT-22
[188] TPS-05A1 Protein Microcrystallography Beamline at the National Synchrotron Radiation Research Center	Dr HUANG, Chun-Hsiang	BT-24
[197] Some novel imaging and diffraction capabilities on B16 Test Beam Line at Diamond Light Source, UK	Mr LUNT, Alexander	BT-26
[200] Chemical Speciation Imaging at Environmentally Relevant Concentrations using X-ray Fluorescence Microscopy	PATERSON, David	BT-28
[204] Electrically-cooled HPGe detector for advanced x-ray spectroscopy and imaging	Dr MARIAN, Vlad	BT-30
[210] Optimisation of a Ge pixel detector – how low can we go?	Dr GLOVER, Chris	BT-32
[216] Co-Flow: A sheath flow sample environment for biological solution X-ray scattering at the Australian Synchrotron.	Dr RYAN, Tim	BT-34
[230] The Laboratories at the Australian Synchrotron - Information for Users	Mrs SCOTT, Clare	BT-36
[57] XANES Iron K-Edge Speciation of Corroded Tube upon Victorian Brown Coal Oxy-Fuel Combustion	Mrs JABAZ, Iman Dr ZHANG, Lian	EE-06
[98] XANES Study of Fe and Ti cations in Blue Sapphires	Dr THAMMAJAK, Nirawat	EE-08
[209] Does silver sulfide nanoparticles (Ag₂S-NPs) possess risks in soil-plant systems?	Dr WANG, Peng	EE-12
[78] Analysis of manganese dioxide electrochemical capacitors using synchrotron methods: in-situ analysis of electrodeposition.	Mr GIBSON, Andrew	EM-02
[87] Altering the UV-Vis spectra of photoactive molecules using small fragments	Ms AROOJ, Qudsia	EM-04
[99] Phase Separation in PEDOT:Gelatin Composites Revealed by Synchrotron-FTIR-based Grazing Incidence Reflection (S-FTIR GIR)	Dr VONGSVIVUT, Jitraporn (Pimm)	EM-06
[117] The influence of Ni and Zn additions on microstructure and phase transformations in SnCu solder joints	Dr GU, Qinfen	EM-08
[136] In-situ hydrogen absorption/desorption behaviour of Mg based alloys	Dr GU, Qinfen	EM-10
[166] Phase evolution and structural transformation of electrodes for Li- and Na-ion batteries upon cycling	Prof. GUO, Zaiping	EM-12

[211] Comparing and Contrasting the Anomalous Structural Phase Transformations Between the Isostructural Orthorhombic and Rhombohedral Forms of CdUO₄ and SrUO₄	Mr GABRIEL, Murphy	EM-16
[226] In-Situ Investigation of Electrodeposited Manganese Dioxide Thin Film Electrodes using Powder Diffraction	Ms DUPONT, Madeleine	EM-18
[38] A Feasibility Study of X-Ray Phase-Contrast Mammographic Tomography at the IMBL of the Australian Synchrotron	Mr THOMPSON, Darren	IM-02
[53] Improved Absorption and Phase Contrast PIV Via Multi-Source Imaging Techniques	Mr GOONAN, George	IM-04
[82] Two-plane holography with customizable references	Dr MARTIN, Andrew	IM-06
[132] High Definition X-ray Fluorescence Elemental Mapping of Historic Photographs	HOWARD, Daryl	IM-08
[155] Embryos in a synchrotron: revealing the internal structure of marsupial embryos and pouch young using synchrotron radiation	Ms NASRULLAH, Qamariya	IM-10
[165] Radiation damage in a micron-sized protein crystal studied via reciprocal space mapping and Bragg coherent diffractive imaging	Ms COUGHLAN, Hannah	IM-12
[178] Synchrotron scanning fundamentally changing how dinosaurs and other vertebrates can be both studied and “excavated” from embedding rock.	Dr RICH, Tom	IM-14
[71] Characterization of a novel 3D silicon strip detector for Microbeam Radiation Therapy (MRT) quality assurance	Mr CAMERON, Matthew	RR-02
[144] Dose Distributions and Treatment Planning System Verification of Synchrotron Beams on the IMBL	Mr GAGLIARDI, Frank	RR-04
[206] Evaluating the biological response of aggressive glioma cell lines to synchrotron microbeam radiotherapy compared to broad-beam irradiation	Mr SMYTH, Lloyd	RR-06
[72] Why only pyrimidine serves in DNA amongst its diazine isomers?	Mr CHATTERJEE, Subhojyoti	SB-02
[121] The x-ray crystal structure of microplasmin with a small-molecular active site inhibitor PSI-112	Mr WU, Jason	SB-04
[134] STRUCTURAL CHARACTERISATION OF THE RETROMER COMPLEX AND ASSOCIATED SORTING NEXINS	Dr SUZANNE, Norwood	SB-06
[143] Structural Investigation of Bax Oligomerisation	Mr COWAN, Angus	SB-08
[168] A Comparison of the Measurement of Protein Solutions on a MetalJet Equipped Laboratory SAXS Instrument and a Synchrotron Beamline	Dr ROWLES, Matthew	SB-10
[135] Structural studies of the Moraxella catarrhalis DOXP reductoisomerase	Dr BIRKINSHAW, Richard	SB-12
[231] Small angle scattering examination of structures self-assembled during milk digestion	Dr HAWLEY, Adrian	SM-04
[89] Dynamic Self-organisation of Gluconobacter oxydans in Three-Dimensional Electron-transferring Network	Prof. IVANOVA, Elena Dr TRUONG, Vi Khanh Ms BHADRA, chris	SS-04
[125] Creating a Stable Oxide at the Surface of Black Phosphorus	Dr TADICH, Anton	SS-06