

AOFSRR 2015 in conjunction with User Meeting 2015

Thursday, 26 November 2015

Poster Session 1 - Exhibition space (13:30 - 14:15)

[id] title	presenter	board
[152] Study of swift heavy-ion irradiation of amorphous silicon oxynitride films	Mr MOTA SANTIAGO, Pablo	
[2] Towards Iron-Carbon Multi-Functional Nanomaterials	Dr KAPPEN, Peter	AM-01
[18] Electric field and stress induced phase transformations in polycrystalline BaTiO ₃	Dr WANG, Zhiyang	AM-03
[40] Activation energies for phase transformations in electrospun titania nanofibers: comparing the influence of argon and air atmospheres	Mr ALBETLAN, HANI	AM-05
[43] Phase transformations of a desert sand to a calcia magnesia aluminosilicate (CMAS) deposit: a Synchrotron powder diffraction study	Dr THORNTON, John	AM-07
[64] High temperature structural properties of CrAlTiN coatings from in-situ Synchrotron Radiation X-ray Diffraction	Mr MOHAMMADPOUR, Ehsan	AM-09
[93] Chemistry and Single Molecule Magnetism of Halogenated 8-Quinolinolatodysprosium(III) Complexes	Mr BEAUMONT, Owen	AM-13
[108] EXAFS study on the structural properties of In and In + C implanted Ge	Mr FENG, Ruixing	AM-15
[137] Coordination Polymers from Amine-Based Ligands	Mr EMERSON, Adrian	AM-17
[154] Heteroleptic Iron(III) {Quinolylsalicylaldehyde/Thiosemicarbazone-salicylaldehyde} Complexes: Spin crossover, intermolecular structural and solvation features, magnetism and Mössbauer spectra	Dr PHONSRI, Wasinee	AM-19
[172] Time-resolved phase evolution during creation of nanoporous Cu current collectors by a dealloying approach	Ms SONG, Tingting	AM-21
[182] XAS Studies of Mixed Main Group Tin Cluster Materials	Dr SOEHNEL, Tilo	AM-23
[218] Controlling the Host-Guest Chemistry of a [Fe ₄ L ₄] ⁸⁺ Tetrahedral Cage via Ligand Design	Mr STANILAND, Robert	AM-25
[227] Rational Design of Porous Coordination Polymers for Catalysis	Mr HICKS, Jamie	AM-27
[36] Age Related Differences in the Collagen Structure and Strength of Pericardium	Ms SIZELAND, Katie	BS-03
[109] MECHANISMS OF L-SULFORAPHANE-INDUCED ANTI-INFLAMMATORY EFFECTS DURING PNEUMOCOCCAL ADHERENCE.	LIANG, Julia	BS-05
[217] Draft Synchrotron-Fourier transform infrared maps of ovalbumin-induced murine chronic allergic airways disease: Correlation with conventional histology and immunofluorescence	Ms MAZARAKIS, Nadia	BS-07
[24] VIRTUALISATION OF BEAMLINE CONTROL SYSTEMS	KIRBY, Nigel MUDIE, Stephen SAMARDZIC-BOBAN, Vesna	BT-01
[49] Macquarie University-Australian Synchrotron D-DIA apparatus	Dr WYKES, Jeremy	BT-03

[63] Quality Improvements for Fluorescence Detected XAFS Spectra of Ferrocene	Dr TRAN, Chanh Q Prof. CHANTLER, Christopher Thomas Prof. WANG, Feng Mr ISLAM, M Tauhidul Dr BEST, Stephen P	BT-05
[68] FDMX: Full-Potential Calculations of EXAFS for Extraction of Structural, Thermal, and Electronic Properties from Absolute Accuracy Measurements	Prof. CHANTLER, Christopher Thomas Dr BOURKE, Jay D	BT-07
[86] Condensed Phase applications at the THz beamline	APPADOO, Dominique	BT-09
[104] Scanning the night away – stage upgrade at the XFM beamline	Dr DE JONGE, Martin	BT-11
[119] Advanced Micro-crystallography Single Crystal X-ray Diffraction Beamline at TPS	Dr WU, LAI-CHIN	BT-13
[128] Beamline Plan at Taiwan Photon Source	Dr HUANG, Yu-Shan	BT-15
[157] Middle energy beamline for Max-Planck Korean initiative at Pohang Light Source	Dr KIM, Jae-Young	BT-17
[162] Mechanical design of a various included angle Hetterick style monochromator covering tender X-rays	Mr KIM, Hyo-Yoon	BT-19
[177] yaIBEX - Yet Another Integrated Beamline Environment for (X)-ray Crystallography	Dr ARAGAO, David Dr JONG, Lenneke	BT-21
[187] Photon beam stabilization at the beamline 6C Bio Medical Imaging of PLS-II	Dr LIM, Jae-Hong	BT-23
[196] Construction status of hard x-ray beamline at PAL-XFEL	Dr PARK, Jaehyun	BT-25
[198] Computing developments and tools supporting beamline science at the Australian Synchrotron	MOLL, Andreas	BT-27
[203] Development of cell for in situ electric-field-dependent structural and macroscopic strain measurements	Mr HOSSAIN, Mohammad Jahangir Dr WANG, Zhiyang	BT-29
[207] Adaptive control of scanning stages	Mr AFSHAR, Nader	BT-31
[214] Low-volume electrochemical cell for in-situ measurement of XAS spectra of reactive metal compounds and biomolecules	Dr BEST, Stephen	BT-33
[223] Neutron and infrared spectroscopy: Complimentary tools for vibrational studies.	Dr STAMPFL, Anton	BT-35
[232] Synchrotron-beam Focal Plane Array (FPA) illumination: Developing fast acquisition, high spatial resolution FT-IR chemical mapping at the IR Microscopy beamline	MARTIN, Danielle	BT-37
[7] Characterization of latent and etched ion tracks in apatite by small-angle X-ray scattering (SAXS)	Mrs NADZRI, Allina	EE-01
[32] From molecules to minerals: Resolving fast mineral formation processes in aquatic systems using energy dispersive XAS	ROSE, Andrew	EE-03
[56] Using the Synchrotron IR beam to develop optical markers for the characterisation of coal and other components in urban dust samples	Mrs HAPUGODA, Priyanthi	EE-05
[69] Characterisation of the localisation and speciation of radionuclides at the former nuclear weapons testing site of Maralinga, South Australia.	Dr COLLINS, Richard	EE-07
[116] THERMAL EXPANSION OF MONOCLINIC NATROJAROSITE: A COMBINED TIME-OF-FLIGHT NEUTRON AND SYNCHROTRON POWDER DIFFRACTION STUDY.	Dr BRAND, Helen	EE-09

[173] Mechanism of Fe(III)-Precipitate Formation and Transformation in Circumneutral Aqueous Solutions in the Presence of Phosphate Under Conditions Relevant to Membrane Bioreactor Wastewater Treatment	Dr MILLER, Christopher	EE-11
[75] Ferrocene conformers: where DFT calculations meet measurements	Prof. WANG, Feng	EM-01
[83] Low temperature IR spectra of frozen solutions of Ferrocene – The meeting place of experiment and theory?”	Dr BEST, Stephen	EM-03
[92] The effect of ordering of conductive polymer (pEDOT) on the conductivity in composites and the stage of manufacturing at which ordering occurs	Mr MAYEVSKY, David	EM-05
[112] Probing molecular and crystalline orientation in solution-processed perovskite solar cells	Mr HUANG, Wenchao	EM-07
[126] Formation of CeO₂ in CeTiO₂ catalyst studied by the in situ XANES	Dr POO-ARPORN, Yingyot	EM-09
[181] Drying dynamics of blade coated P(NDI2OD-T2) via in situ GIWAXS investigation	Mr WELFORD, Adam	EM-13
[205] Growth of catalytic Au nanoparticles upon electrochemical ageing	JOHANNESSEN, Bernt	EM-15
[212] Uranium speciation and mineralogy within an organic-rich ore deposit (Mulga Rock, WA); implications for U mobility and extraction	CUMBERLAND, Susan	EM-17
[228] Synthesis and structural characterisation of cadmium dithiocarbamate ionic liquids	Ms MACREADIE, Lauren	EM-19
[23] Quantitative characterisation of the white/ pink X-ray beam at the Australian Synchrotron Imaging & Medical Beamline (IMBL)	Dr STEVENSON, Andrew	IM-01
[51] A Method for the Simultaneous Collection of the data for X-ray Computed Tomography and X-ray Fluorescence Computed Tomography	Mr WINNETT, Alex	IM-03
[58] Single-shot elemental contrast imaging using PiXirad photon counting detector	Ms YOKHANA, Viona Shlemoon Khames	IM-05
[107] Updates on the computed tomography experiment at the Medical and Imaging beamline of the Australian Synchrotron	Dr MAKSIMENKO, Anton	IM-07
[138] Synchrotron X-ray Tomographic characterisation of titanium parts fabricated by additive manufacturing	Ms SCARLETT, Nicola	IM-09
[156] Design and Implementation of an Optical Ptychographic Microscope for quantitative bio-imaging at La Trobe University	Mr ANTHONY, Nicholas	IM-11
[176] Three-dimensional Strain State Comparison for CVD-grown Single Crystal Nanodiamonds using Bragg Coherent Diffractive Imaging	Mr MAQBOOL, Muhammad Salman	IM-13
[224] Simultaneous Recovery of Sample And Coherence Information in Coherent Diffractive Imaging	Mr TRAN, Giang	IM-15
[27] Development of an image guidance protocol for MRT at IMBL	Dr PELLICCIA, Daniele	RR-01
[95] MRT Dosimetry at the Australian Synchrotron using the X-Tream System	Mr DIPUGLIA, Andrew	RR-03
[167] Effects of monochromatic synchrotron X-rays irradiation on functionalised gold nanoparticles treated prostate cancer cells	Mr SHUKLA, Ravi	RR-05
[208] Synchrotron Broad Beam and MRT radiation induces DNA damage in normal mouse tissues distant from the irradiated volume	Mrs VENTURA, Jessica	RR-07
[213] Patient Safety System for Micro Radiation Therapy at the Australian Synchrotron	Mr CONESA-ZAMORA, Gonzalo	RR-09
[61] Structural Insights into the pro-apoptotic protein Bax	Dr ROBIN, Adeline	SB-01
[94] Structural and functional investigation of CprB, a member of the TetR-family of proteins from Streptomyces coelicolor A3(2)	Mr BHUKYA, Hussain	SB-03

[127] WHAT CAN YOU DO WITH A β-HELICAL STRUCTURE ?	Dr PAXMAN, Jason	SB-05
[149] Structural Insights into Bak Activation and Oligomerisation	Mr BROUWER, Jason	SB-09
[222] Deuterated recombinant protein production: A high yield, robust and reliable method using Escherichia coli	Dr DUFF, Anthony	SB-11
[221] Applications of Synchrotron FT-IR secondary structure determination using the amide III region to protein based bioplastics	Dr VERBEEK, Johan	SM-03
[130] High throughput synthesis and Characterisation of Protic Ionic Liquids	Dr GREAVES, Tamar	SM-17
[19] Resolving conflicts in the understanding of molecular adsorption: benzonitrile on Si(001)	Dr O'DONNELL, Kane	SS-01
[76] Mechanical Rubbing Changes the Molecular Packing and Orientation of a Conjugated Semiconducting Polymer	Mr NAHID, Masrur Morshed	SS-03
[111] Silica nanoparticles acting as light nanocondensers	Prof. IVANOVA, Elena P. Mr STEFANOVIC, Miljan Dr TRUONG, Vi Khanh	SS-05