ANSTO User Meeting 2019

Monday 02 December 2019

Welcome Function: Poster Slam & Function (18:00-21:00)

time	[id] title	presenter
18:00	[87] EMU cold-neutron backscattering spectrometer at ACNS	DE SOUZA, Nicolas
18:01	[105] Elemental imaging of iron-bioengineered wheat grain using synchrotron X-ray fluorescence microscopy.	Dr SANCHEZ-PALACIOS, Jose Tonatiuh Prof. ENZO, Lombi
18:02	[68] A solid-state microdosimeter for dose and radiation quality monitoring for astronauts in space	Ms PERACCHI, Stefania
18:03	[72] KOALA - A single-crystal neutron diffractometer	EDWARDS, Alison
18:04	[123] Using light to remote control metal-coordination	ATHUKORALA ARACHCHIGE, Kasun
18:05	[51] Kookaburra, the ultra-small-angle neutron scattering instrument at ANSTO: design and recent applications	MATA, Jitendra
18:06	[39] Effect of solution conditions on the recovery of uranyl ions using a metal-binding protein on silica nanoparticles	PACHECO, Gina
18:07	[32] Porosity evolution in nickel-iron sulphide minerals during hydrothermal reactions	KARTAL, Muhammet
18:08	[10] Small-angle X-ray scattering as a quantitative screening tool: initial benchmarks across synchrotron beamlines	Dr CHEN, Po-chia
18:09	[14] Recent and future upgrades to the Kowari instrument	Dr REID, Mark
18:10	[36] Microbial factories to complement chemical synthesis of deuterated molecules.	RUSSELL, Rob
18:11	[122] Charge Density Studies of Photo-redox Metal Complexes: An Experimental Comparison of the Ground and Lowest Excited States.	PFRUNDER, Michael
18:12	[113] The BILBY small-angle neutron scattering instrument	Dr WHITTEN, Andrew
18:13	[44] In situ synchrotron PXRD study of the replacement of bornite under anoxic conditions	Mr ADEGOKE, Idowu Abiodun
18:14	[55] SOI Thin Microdosimeter Detectors for Low Energy Ions and Radiation Damage Studies	JAMES, Benjamin
18:15	[71] Characterisation of Rhodium and Iridium Hybrid Catalysts by X-ray Absorption Spectroscopy	ROEMER, Max
18:16	[20] Recent Progress on the Toroidal ARPES Detector at the Australian Synchrotron	TADICH, Anton
18:17	[77] Quantification of thermal neutron fluence in high-energy LINAC radiotherapy for quality assurance dose enhancement	PAN, Vladimir
18:18	[120] The capabilities of the cold-neutron triple-axis spectrometer SIKA at ANSTO	YANO, Shinichiro
18:19	[6] Wombat – the high intensity diffractometer at OPAL	MAYNARD-CASELY, Helen

18:20	[73] Crystallisation of Lipids at the Oil/Water Interface	Ms MACWILLIAMS, Stephanie V.
18:21	[88] Trace element speciation and incorporation in iron oxides within mineral processing residues	SCULLETT-DEAN, Grace
18:22	[116] QUOKKA, THE PINHOLE SMALL-ANGLE NEUTRON SCATTERING INSTRUMENT AT THE OPAL RESEARCH REACTOR, AUSTRALIA: DESIGN, PERFORMANCE AND OPERATION.	Dr WAKEHAM, Deborah
18:23	[126] Structure-property relationship and structural dynamics of layered transition metal oxides for sodium-ion battery applications	Dr ANDERSEN, Henrik Lyder
18:24	[97] Soft materials in food: Ultrasound induced modification of β-lactoglobulin into mesoscopic amyloid structures	PATHAK, Rachana
18:25	[82] Self-Assembly of Long-Chain Betaine Surfactants: Effect of Tailgroup Structure on Wormlike Micelle Formation	KELLEPPAN, Veena
18:26	[67] Critical measurement of the phase fine structures across the copper K-edge	KIRK, Tony
18:27	[57] Neutron and X-ray absorption spectroscopy studies of cobalt ion beam implanted TiO2 thin films	Mr BAKE, Abdulhakim
18:28	[25] Disorder By Design: Energy, Pyrochlores and the Art of 'Stuffing'	MULLENS, Bryce
18:29	[108] Scientific Highlights from Quokka, the 40m Pinhole Small Angle Neutron Scattering Instrument	WOOD, Kathleen
18:30	[74] In Situ Synchrotron FTIR Microspectroscopy in Hydration Studies	Mr PAWLISZAK, Piotr
18:31	[46] Magnetism and Magnetic Materials Studied Using the Pelican Time-of-Flight Spectrometer	MOLE, Richard
18:32	[17] Update on the SPATZ Time-of-Flight Neutron Reflectometer at the OPAL Research Reactor	LE BRUN, Anton
18:33	[27] Comparison between Hamamatsu C10900D and Xineos 3030HR detectors at IMBL for phase-contrast computed tomography of full mastectomy samples	TABA, Seyedamir
18:34	[43] Recent highlights from the PELICAN spectrometer	MOLE, Richard
18:35	[30] Nuclear techniques for Cultural Heritage at ANSTO	SALVEMINI, Filomena
18:36	[41] Speckle Interferometry at IMBL - First Results	Dr MAYO, Sheridan
18:37	[95] Australia’s contribution to an International Project to Generate a Consensus Standard Set of SAS Data to Benchmark Methods for SAS profile Prediction	DUFF, Anthony WHITTEN, Andrew
18:38	[90] Residual Stresses, Metallurgical and Mechanical Properties of Laser Cladded Rail	KENDALL, Olivia
18:39	[132] Pattern Formation in the Membranes of Bicontinuous Cubic Phases Based on Star-Polyphiles	Dr DE CAMPO, Liliana
18:40	[94] The National Deuteration Facility, and support of neutron scattering for structural biology	DUFF, Anthony
18:41	[110] KOWARI Residual Stress Scanner at ANSTO	PARADOWSKA, Anna
18:42	[114] EFFECT OF Mo + Cr CODOPING LEVELS ON THE PHOTOCATALYTIC PERFORMANCE OF SOL-GEL DERIVED AND ION IMPLANTED TIO2 THIN FILMS	Ms CHEN, Amanda
18:43	[86] Linking microstructure to rheology for wormlike micelles	Mr KING, Joshua
18:44	[117] In-Situ Solar Simulation for Organic Photovoltaics	ANDERSON, Neil
18:45	[29] Exploring diffusion mechanisms in oxide-ionic conductive single crystals	AUCKETT, Josie

18:46	[34] Corrosion at the Metal-Glass Interface in HIPed Nuclear Wasteforms	BURROUGH, Keenan
18:47	[64] Theoretical study of manganese melilites and related structures	SALE, Matthew
18:48	[91] Optimization of Ion Implantation Parameters for Photocatalytic Coatings on Conducting and Insulating Substrates	Ms KE, Jialuo
18:49	[127] Structural Characterisation of a high Na-ion conductor	Mr YANG, Frederick Tiger
18:50	[130] Simultaneous SAXS and WAXS ion track recovery studies on metallic glasses and consequences on their magnetization properties	Dr RODRIGUEZ, Matias
18:51	[54] Virtual recovery of text from an ancient inscribed lead scroll using neutron tomography	Ms RAYMOND, Carla
18:52	[60] Integrated Nanoindentation and Modelling Approaches to Determine Ion Induced Hardening Behaviour in AA6061 and MA957	Mr MUFFETT, Benjamin
18:53	[80] Correlative Dynamics of Filamentous Fungal Adhesion on Anti-Fungal Paint and Polyester Surfaces using Synchrotron Macro ATR-FTIR Microspectroscopy	ABURTO MEDINA, Arturo