

First AfLS Conference and Workshop 2015

Monday 16 November 2015

Scientific Talks: Block 1 - Auditorium (09:50-10:50)

-Conveners: Herman Winick

time	[id] title	presenter
09:50	[12] Reviewing the value of synchrotrons for Sasol; relevance of research at synchrotrons for African Industries	Dr DU PLESSIS, Hester
10:20	[78] Pore Scale Investigations of Forced Imbibition/Drainage in Porous Media Studied by in situ X-Ray Microtomography	Prof. SEEMANN, Ralf

Scientific Talks: Block 2 - Auditorium (11:30-13:00)

-Conveners: Tshepo Ntsoane

time	[id] title	presenter
11:30	[49] Synchrotron Radiation and Structural Biology	Prof. LARSEN, Sine
12:00	[3] Angle Resolved Photoemission Spectroscopy Study of Sr ₄ Ru ₃ O ₁₀ single crystals and Intrinsic Bi ₂ Te ₃ Topological Insulator Thin Films	Mr NGABONZIZA, Prosper
12:20	[54] Residual stress analyses using diffraction techniques	Dr VENTER, Andrew
12:40	[5] Beta-cyclodextrin decreases the aggregation rate of prion proteins induced by metal-catalyzed oxidation	Dr ELMALLAH, Mohammed

Scientific Talks: Block 3 (14:20-15:40)

-Conveners: Krystle McLaughlin

time	[id] title	presenter
14:20	[46] Science and Technology Development at Light Source Facilities around the World	Dr SHEN, Qun
14:50	[35] X-ray study of nanosized multilayer heterostructures	Mr LIKHACHEV, Igor
15:10	[47] Biosciences using synchrotron infrared microspectroscopy	Dr DUMAS, Paul

Scientific Talks: Block 4 (16:10-17:10)

-Conveners: Schadrack Nsengiyumva

time	[id] title	presenter
16:10	[33] Organic and inorganic layered systems study by X-ray standing wave technique	Dr TERESCHENKO, Elena
16:30	[56] Depth-resolved and fatigue studies of thermal sprayed hydroxyapatite coatings	Mr NTSOANE, Tshepo
16:50	[8] Structural Analysis of L-asparaginase from novel source as a Promising Drug Target in the Treatment of Childhood Acute Lymphoblastic Leukemia	Dr ESSAWY, Ehab

Tuesday 17 November 2015

Scientific Talks: Block 5 - Auditorium (09:00-10:40)

-Conveners: Diouma KOBOR

time	[id] title	presenter
09:00	[65] 4D in situ microtomography in materials science	Prof. SALVO, Luc
09:30	[32] Kurchatov synchrotron: present state and upgrade program	Dr SENIN, Roman
09:50	[48] X-ray Physicochemical Imaging of Catalysts Under Working Conditions	Dr KIMBER, Simon
10:20	[36] Integrating synchrotron technology into the palaeosciences in South Africa	Dr CARLSON, Kristian

Scientific Talks: Block 6 (11:10-13:10)

-Conveners: Paul Dumas

time	[id] title	presenter
11:10	[27] Optimization of Renewable Energy Processes: Projects at the Synchrotron Radiation Facility PETRA III	Dr SEECK, Oliver
11:40	[26] XAS investigation of 'invisible' gold impurities in synthetic sulfide minerals	Dr TRIGUB, Alexander
12:00	[41] Towards Structural Characterization of Novel Bacteriophage Proteins	Dr MCLAUGHLIN, Krystle
12:20	[89] Light Sources for Materials and the AfLS context	Prof. BILLINGE, Simon
12:50	[15] Application of iron L3 edge XANES spectroscopy to colloid speciation	Mr VON DER HEYDEN, Bjorn

Scientific Talks: Block 7 - Auditorium (14:30-16:00)

-Conveners: PROSPER Ngabonziza

time	[id] title	presenter
14:30	[53] African projects at the IPANEMA research platform for ancient materials. Perspective within the European research infrastructure for Heritage science.	Dr BERTRAND, Loïc
15:00	[20] Fabrication and characterisation of high temperature operating light emitting diodes from Silicon Carbide	Mr MUNTHALI, Kinnock Vundawaka
15:20	[22] African Synchrotron Science : A personal perspective	Prof. BILLING, David
15:40	[34] Non-mechanical ultrafast tunable X-Ray optics (X-Ray acoustic elements and bending crystals): advantages and possibilities.	Mr ELIOVICH, Ian

Scientific Talks: Block 8 - Auditorium (16:30-18:00)

-Conveners: Hafida Boutefnouchet

time	[id] title	presenter
16:30	[44] Synchrotron imaging and the African fossil record: a decade of collaboration	Dr TAFFOREAU, Paul Dr FERNANDEZ, Vincent
17:00	[62] TANGO - a mature Open Source collaborative framework for building control systems	Mr GOTZ, Andrew Mr CHAIZE, Jean-Michel
17:20	[11] The Use of Diffraction to Determine the Residual Stress of HVOF WC-17Co Coatings	Dr OLADIJO, O.P.

17:40	[17] One hydrogen bond does not a separation make, or does it?-The importance of high resolution structural data	Dr BATHORI, Nikoletta
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