

11 November

Monday

8:30	
9:00	Arrival + Registration (Ground Floor : Reception Area)
9:30	Tea (1st Floor : Gold and Silver Rooms)
10:00	Plenary : 1st Floor : Titantium Room <b>Opening DST/NRF/SRRIC</b>
10:30	ESRF and EBS Overview - Francesco Sette
11:00	Tea (1st Floor : Gold and Silver Rooms)
11:30	Strategy Session SRRIC Chair: Tshepo Ntsoane - SA and ESRF ESRF DG : Francesco Sette - ESRF as the CERN of LSs SA Feeder Infrastructure overview and issues AFLS Chair : Simon Connell - AFLS, SA and Pan Africa NRF - The role of Large Scale Infrastructure DST - Daniel Adams-Multinational African Participation
12:00	
12:30	
13:00	Lunch (1st Floor : Gold and Silver Rooms)
13:30	START - Trevor Sewell ASNAEM - Marcus Newton ANSADAC - Esna du Plessis LAAAMP - Simon Connell IUCrIAcR - Delia Haynes
14:30	Round Table
15:00	Conclusion and Actions
15:30	Tea (1st Floor : Gold and Silver Rooms)
16:00	Introduction to workshop: Science with the EBS Harald Reichert & Jean Susini
16:30	
17:00	Posters (1st Floor : Gold and Silver Rooms) and Sundowners (12 floor)
17:30	
18:00	

12 November

Tuesday

8:30	Morning Tea (1st Floor : Gold and Silver Rooms)
9:00	Plenary : 1st Floor : Titantium Room
9:30	ESRF Materials via Imaging - Julia Villanova
10:00	X-ray diffraction using the ESRF-EBS - Jon Wright
10:30	Structure Property correlation in SOFC & SOEC materials, and the importance of Synchrotron Techniques - Dave Billings
11:00	Tea (1st Floor : Gold and Silver Rooms)
11:30	Chemical Characterization at ESRF- Pieter Glatzel
12:00	Characterisation of Materials using X-rays and Deep Training - Wilson Mogodi
12:30	Synchrotron microtomography in palaeontology, a bright future for the South African exceptional fossil heritage at the ESRF - Paul Tafforeau
13:00	Overview of CT in South Africa - Kudakwashe Jakata
13:30	Lunch (1st Floor : Gold and Silver Rooms)
14:30	Structural Biology at the ESRF: present and future - Gordon Leonard
15:00	SA Bioscience overview- Wolf-Dieter Schubert
15:30	Tea (1st Floor : Gold and Silver Rooms)
16:00	Residual Stress Characterization using Synchrotron XRD for the Development Laser Shock Peening Applied to Steam Turbine Blades - Daniel Glazier
16:30	Sponsors (flash talks) Proposal Clinic- Harald Reichert
17:00	Posters (1st Floor : Gold and Silver Rooms) and Sundowners (12 floor)
17:30	
18:00	

13 November

Wednesday

8:30	Morning Tea (Ground Floor Reception area)		
9:00	Chair : Kudakwashe Jakata (Gold Room) 1. Whiskers, nipples, venom, and head-butting: how imaging unravels the brain and paleobiology of our pre-mammalian ancestors - Julien Benoit 2. Image quality in X-ray tomography: the case study of a fossil embedded in rock - Mufothe Tshibalanganda, 3. A Tale of Two Dinosaurs - Viktor Radermacher 4. The use of Micro Computer Tomography in the establishment of a new basal sauropodomorph taxon - Kimberley Chapelle	Chair : Wilson Mogodi (Titanium Room) 1. Materials preparation for the future hydrogen economy: PEC water splitting - Mantsae Diale 2. Structure-property correlation of cerium doped bismuth vanadate as potential SOFC electrolyte - Dennis Malhase 3. Superionic conductors for solid oxide fuel cells: structure-bulk property relationships in Bi2O3 based solid solutions- Sikhumbuzo Masina 4. Relevance of Synchrotron Radiation in Inorganic Medicinal Chemistry - Ayodele Temidayo Odufuro	Chair: Bjorn von der Heyden (Silver Room) 1. Magnetic-electronic studies at a megabar: the new frontier - Giovanni Hearn 2. Synchrotron light and ore geology research - Bjorn von Heyden 3. Synchrotron light source to aid where traditional SCD experiments fall short - Thalia Carstens 4. Research Activities: Advanced Manufacturing Technologies - Fred Mada
9:30	Tea (Ground Floor : Reception Area)		
10:00	Chair : Trevor Sewell (Gold Room) 1. MicroCT provides novel insights into plant form and function - Robert Skelton 2. Heterologous expression, crystallization and structural determination of Schistosoma mansoni Unstrial stress G4LZ13 protein by X-ray crystallography - Abidemi Paul Kappo 3. The structure and function of HIV neutralizing antibodies and their targets-Thandeka Moyo 4. Biophysical characterization of Plasmodium falciparum Hsp70-Hsp90 organizing protein (Pfl-op) reveals a monomer that is characterised by folded segments connected by flexible linkers - Stanley Makumbe	Chair: Delia Haynes (Titanium Room) 1. Thin films of VC/SiC - Kuda, Jakata 2. The Search for an improved SOFC Electrolyte Material: Stabilizing the Fm3m Phase of Bismuth Oxide to Lower Temperatures - Kiefer Mattias 3. Dithiadiazolyl radicals as building blocks for functional materials - Delia Haynes 4. Micro-Raman and X-ray Diffraction stress analysis of residual stresses in fatigue loaded leached Polycrystalline Diamond - Maxwell Vhareta	Chair : Tshepo Ntsoane (Silver Room) 1. Innovations in Energy Materials - Marcus Newton 2. X-ray and Neutron Radiography/Tomography at NeCSA: A success story - Frikkie De beer 3. HARPIA: High Resolution Powder X-ray Diffraction beamline at Sirius - Dean Barret 4. Complimentary diffraction techniques at NeCSA- Deon Marais
10:30	Plenary : Titanium Room <b>Closing</b>		
11:00	Lunch (Olives and Plates at Wits)		
11:30	WITS / ESI - Tour		
11:30	Sundowners and Sightseeing - Soweto		
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