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| **Monday 16 November** | | |
| **Welcome and Opening – Auditorium** | | |
| 09:30 | Welcome and Opening Address 1 | Dr. SETTE, Francesco (ESRF) |
| 09:40 | Welcome and Opening Address 2 | Prof. MTINGWA, Sekazi |
| **Scientific Talks: Block 1 – Auditorium**  **Chair: Prof. Winick, Herman (SLAC, Stanford Univ.)** | | |
| 09:50 | Reviewing the value of synchrotrons for Sasol; relevance of research at synchrotrons for African Industries | Dr. DU PLESSIS, Hester (Sasol) |
| 10:20 | Pore Scale Investigations of Forced Imbibition/Drainage in Porous Media Studied by in situ X-Ray Microtomography | Prof. SEEMANN, Ralf (Saarland  Univ. & MPI-DS, Göttingen) |
| *10:50* | *Tea and Coffee* | |
| **Scientific Talks: Block 2 - Auditorium**  **Chair: Mr. Ntsoane, Tshepo (Necsa)** | | |
| 11:30 | Synchrotron Radiation and Structural Biology | Prof. LARSEN, Sine (Copenhagen Univ.) |
| 12:00 | Angle Resolved Photoemission Spectroscopy Study of Sr4Ru3O10 single crystals and Intrinsic Bi2Te3 Topological Insulator Thin Films | Mr. NGABONZIZA, Prosper (Twente Univ., MESA+ Inst. for nanotech) |
| 12:20 | Residual stress analyses using diffraction techniques | Dr. VENTER, Andrew (Research and Dvlpt Div. Necsa SOC Limited; DST-NRF) |
| 12:40 | Beta-cyclodextrin decreases the aggregation rate of prion proteins induced by metal-catalyzed oxidation | Dr. ELMALLAH, Mohammed  (Dept of Chemistry - Faculty of Science - Helwan Univ.) |
| *13:00* | *Lunch - On-site restaurant* | |
| **Scientific Talks: Block 3 - Auditorium**  **Chair: Dr. McLaughlin, Krystle (Lehigh University)** | | |
| 14:20 | Science and Technology Development at Light Source Facilities around the World | Dr. SHEN, Qun (BNL) |
| 14:50 | X-ray study of nanosized multilayer heterosturctures | Mr. LIKHACHEV, Igor (NRC) |
| 15:10 | Structural Analysis of L-asparaginase from novel source as a Promising Drug Target in the Treatment of Childhood Acute Lymphoplastic Leukemia | Dr. ESSAWY, Ehab (Helwan Univ.) |
| *15:50* | *Tea and Coffee* | |
| **Scientific Talks: Block 4 – Auditorium**  **Chair: Dr. Schadrack Nsengiyumva (Rhodes University ZA)** | | |
| 16:20 | Biosciences using synchrotron infrared microspectroscopy | Dr. DUMAS, Paul (SOLEIL Synchrotron) |
| 16:50 | Organic and inorganic layered systems study by X-ray standing wave technique | Dr. TERESCHENKO, Elena (NRC) |
| 17:10 | Depth-resolved and fatigue studies of thermal sprayed hydroxyapatite coatings | Mr. NTSOANE, Tshepo (Necsa) |
| *19:00* | *Dinner ESRF - On-site restaurant* | |
| **Tuesday 17 November** | | |
| **Scientific Talks: Block 5 - Auditorium**  **Chair: Dr. KOBOR, Diouma (Univ. Assane Seck of Ziguinchor)** | | |
| 09:00 | 4D in situ microtomography in materials science | Prof. SALVO, Luc (SIMAP-GINP-UGA) |
| 09:30 | Kurchatov synchrotron: present state and upgrade program | Dr. SENIN, Roman (NRC) |
| 09:50 | Diffraction contrast imaging for materials chemistry | Dr. KIMBER, Simon (ESRF) |
| 10:20 | Integrating synchrotron technology into the palaeosciences in South Africa | Dr. CARLSON, Kristian (Wits) |
| *10:40* | *Tea and Coffee* |  |
| **Scientific Talks: Block 6 - Auditorium**  **Chair: Dr. Dumas, Paul (SOLEIL)** | | |
| 11:10 | Optimization of Renewable Energy Processes: Projects at the Synchrotron Radiation Facility PETRA III | Dr. SEECK, Oliver (DESY) |
| 11:40 | XAS investigation of 'invisible' gold impurities in synthetic sulfide minerals | Dr. TRIGUB, Alexander (NRC) |
| 12:00 | Towards Structural Characterization of Novel Bacteriophage Proteins | Dr. MCLAUGHLIN, Krystle (Lehigh  Univ.) |
| 12:20 | Light Sources for Materials and the AfLS context | Prof. BILLINGE, Simon (Columbia Univ.) |
| 12:50 | Application of iron L3 edge XANES spectroscopy to colloid speciation | Mr. VON DER HEYDEN, Bjorn  (Stellenbosch Univ.) |
| *13:10* | *Lunch - On-site restaurant* | |
| **Scientific Talks: Block 7 - Auditorium**  **Chair: Mr. NGABONZIZA, Prosper (Twente Univ., MESA+ Inst. for nanotech)** | | |
| 14:40 | African projects at the IPANEMA research platform for ancient materials. Perspective within the European research infrastructure for Heritage science. | Dr. BERTRAND, Loïc (IPANEMA,  CNRS, MCC, Paris-Saclay) |
| 15:00 | Fabrication and characterisation of high temperature operating light emitting diodes from Silicon Carbide | Mr. MUNTHALI, Kinnock Vundawaka (Univ. of Pretoria & Univ. of Namibia) |
| 15:20 | African Synchrotron Science : A personal perspective | Prof. BILLING, David (Wits) |
| 15:40 | Non-mechanical ultrafast tunable X-Ray optics (X-Ray acoustic elements and bending crystals): advantages and possibilities. | Mr. ELIOVICH, Ian (IC RAS) |
| *16:00* | *Tea and Coffee* | |
| **Scientific Talks: Block 8 - Auditorium**  **Chair: Dr. BOUTEFNOUCHET, Hafida (Laboratoire de Métallurgie et Génie des Matériaux)** | | |
| 16:30 | Synchrotron imaging and the African fossil reccord: a decade of collaboration | Dr. FERNANDEZ, Vincent (ESRF)  Dr. TAFFOREAU, Paul (ESRF) |
| 17:00 | TANGO - a mature Open Source collaborative framework for building control systems | Mr. GOTZ, Andrew (ESRF)  Mr. CHAIZE, Jean-Michel (ESRF) |
| 17:20 | The Use of Diffraction to Determine the Residual Stress of HVOF WC-17Co Coatings | Dr. OLADIJO, O.P. Univ. of Science & Technology - Wits - DST/NRF Univ.) |
| 17:40 | One hydrogen bond does not a separation make, or does it?-The importance of high resolution structural data | Dr. BATHORI, Nikoletta (Cape  Peninsula Univ. of technology) |
| 18:00 | **Poster Session - Outside Auditorium** | |
| *19:45* | *Dinner ESRF - On-site restaurant* | |
| **Wednesday 18 November** | | | |
| *09:45* | *Tea and Coffee* | | |
| 10:30 | Tour of the ESRF facilities and laboratories | | |
| 12:30 | Group Photo - Meeting point ESRF central building entrance hall | | |
| *12:40* | *Lunch - On-site restaurant* | | |
| **Welcome and Opening - Auditorium** | | | |
| 14:00 | Welcome and Opening Address 3 | Dr. SETTE, Francesco (ESRF) | |
| 14:10 | Welcome and Opening Address 4 | Prof. ALLOTEY, Francis (Johannesburg Univ.) *Speech delivered by:*  *Sekazi Mtingwa* | |
| **Policy and Strategy Talks: Block 1 - Auditorium**  **Chair: Prof. Mitchell, Edward (ESRF)** | | | |
| 14:20 | Outline of Policy Session and the AfLS Vision | Prof. CONNELL, Simon (Johannesburg Univ.) | |
| 14:40 | International Co-operation | Ms. PILLAY, Vinny (DST) | |
| 15:00 | Review of synchrotron-based activities in South Africa | Mr. NTSOANE, Tshepo (Necsa) | |
| *15:20* | *Tea and Coffee* | | |
| **Policy and Strategy Talks: Block 2 - Auditorium**  **Chair: Dr. DU PLESSIS, Hester (Sasol)** | | | |
| 15:50 | Remote Access at the ESRF's Structural Biology Beamlines | Dr. LEONARD, Gordon (ESRF) | |
| 16:10 | The Impact of Synchrotron Radiation on Science and Society in Developing Countries | Prof. WINICK, Herman (SLAC) | |
| 16:30 | EU-Africa collaboration on cutting edge research challenges | Mr. DI GIULIO, Antonio (Euro Commission) | |
| **Plenary Discussion: Block 1 - Auditorium (16:50-17:20)**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst.of Technology & BNL & African Laser Centre)** | | | |
| 17:30 | **Grenoble's Art Museum - Buses depart from ESRF** | | |
| *19:00* | *Dinner Banquet - Restaurant Le 5 - Downtown Grenoble* | | |

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| **Thursday 19 November** | | |
| **Policy and Strategy Talks: Block 3 - Auditorium**  **Chair: Dr. DIALE, Mmantsae (Univ. of Pretoria)** | | |
| 09:00 | The African Laser Centre: A Model for African Collaborations | Prof. MTINGWA, Sekazi (Triangle Science, Education & Economic Dvlpt, LLC) |
| 09:20 | Brazilian Synchrotron Light Laboratory – LNLS: from scratch to a state-of-the-art machine in 30 years | Prof. ROQUE DA SILVA, Antonio Jose (Brazilian Synchrotron Light Laboratory) |
| 09:40 | International cooperation schemes at DESY | Dr. SEECK, Oliver (DESY) |
| **Plenary Discussion: Block 3 – Auditorium**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | | |
| *10:30* | *Tea and Coffee* | |
| **Policy and Strategy Talks: Block 4 – Auditorium**  **Chair: Prof. BILLING, David (Univ. of the Wits)** | | |
| 11:00 | The ESRF model: history, governance, access, key facts and figures and socio-economic impact | Mrs. ECHEVERRIA, Itziar (ESRF) |
| 11:20 | Overview : Synchrotron Light Source Machines | Prof. EINFELD, Dieter (ESRF) |
| 11:40 | The role of International Physics Organizations | Prof. SCANDOLO, Sandro (ICTP) |
| **Plenary Discussion: Block 4 – Auditorium**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | | |
| *12:30* | *Lunch - On-site restaurant* | |
| **Policy and Strategy Talks: Block 5 – Auditorium**  **Chair: Dr. HARTWIG, Jürgen (ESRF)** | | |
| 13:50 | The Vision of Egypt for the AfLS | Dr. KAMEL, Gihan (SESAME) |
| 14:10 | Role of the African Physical Society Towards an African Light Source | Prof. ALLOTEY, Francis (Johannesburg Univ.) *Speech delivered by:*  *Sekazi Mtingwa* |
| 14:30 | Our plan of schools and practical trainings to contribute to the African Light Source project | Prof. ABE, Hitoshi (Photon Factory,  IMSS, KEK) |
| 14:50 | The contribution of the IUCr to the development of scientific education, research and infrastructure in Africa | Dr. ZEMA, Michele (IUCr) |
| **Plenary Discussion: Block 3 - Auditorium (15:10-15:40)**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | | |
| *15:40* | *Tea and Coffee* | |
| **Election of Steering Committee - Auditorium (16:10-16:40)**  **Chair: Mr. MASARA, Brian (SAIP)** | | |
| **Discussion: Block 1: Finalise Workshop Resolutions - Auditorium (16:40-18:10)**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | | |
| *18:40* | *Dinner ESRF - On-site restaurant -* ***"Wine & Cheese Tasting"*** | |

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| **Friday 20 November** | |
| **Discussion: Block 2: Finalise Terms of Reference - Auditorium (09:00-10:20)**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | |
| *10:20* | *Tea and Coffee* |
| **Discussion: Block 3: Finalise Roadmap - Auditorium (10:50-12:00)**  **Chair: Dr. MTINGWA, Sekazi (Massachusetts Inst. of Technology & BNL & African Laser Centre)** | |
| **Launch and Closing Remarks - Auditorium (12:00-12:30)**  **Chair: Prof. CONNELL, Simon (Univ. of Johannesburg)** | |
| *12:30* | *Lunch - On-site restaurant* |