

ASNAEM Workshop

Wednesday 6th October 2021
(Online via Zoom)

Programme

UK “UTC+1” time
(CAT “UTC+2” time)

- 09:30 – 09:50 :**
(10:30 – 10:50) **Welcome & Opening Remarks.**
Dr Marcus Newton, University of Southampton.
- 09:50 – 10:00 :**
(10:50 – 11:00) **ASNAEM Survey Report.**
Dr George Clerk, Buckingham New University.
- 10:00 – 10:30 :**
(11:00 – 11:30) **Enigmatic Structure Property Behaviour in SOFC & SOEC electrolyte materials.**
Prof David Billing, University of the Witwatersrand.
- 10:30 – 11:00 :**
(11:30 – 12:00) **Two-dimensional Doping of Proton Conductors.**
Dr Prosper Ngabonziza, Max Planck Institute for Solid State Research.
- 11:00 – 11:30 :**
(12:00 – 12:30) **Nanostructured Copper Oxide: Preparation and Characterisation.**
Prof David Dodoo-Arhin, University of Ghana.
- 11:30 – 12:00 :**
(12:30 – 13:00) **Exploring hematite as a choice material for photoelectrochemical water splitting.**
Prof Mmantsae Diale, University of Pretoria.
- 12:00 – 12:30 :**
(13:00 – 13:30) **African Light Source (AfLS).**
Prof Simon Connell, University of Johannesburg.
- 12:30 – 13:00 :**
(13:30 – 14:00) **Thermal expansion behaviour of BPO4 studied by X-ray thermodiffraction.**
Dr Wilson Mogodi, University of Cape Town.
- 13:00 – 13:30 :**
(14:00 – 14:30) **X-TechLab training sessions in Benin: towards borderless science education.**
Prof Thierry dAlmeida, CEA.
- 13:30 – 14:00 :**
(14:30 – 15:00) **Lunch Break**
- 14:00 – 14:15 :**
(15:00 – 15:15) **Solar cell simulations made easy.**
Prof Alex Quandt, University of the Witwatersrand.

- 14:15 – 14:30 :**
(15:15 – 15:30) **XRD, USAXS, SAXS and WAXS Investigations of PZN-4.5PT nanoparticles thin Films.**
Prof Diouma Kobor, University Assane Seck of Ziguinchor.
- 14:30 – 14:45 :**
(15:30 – 15:45) **Surfaces and buried interfaces characterization of Mn/ZnO and Cu₂ZnSnS₄ based device: lessons learned from lab to synchrotron facilities.**
Dr Mac Cubaka, Physics Departments, ISP-Bukavu and University of Namur.
- 14:45 – 15:00 :**
(15:45 – 16:00) **Hybrid Organic–Inorganic Perovskites Materials: A review on Architecture and Stability for Power Conversion Efficiency.**
Dr Sidiki Zongo.
- 15:00 – 15:15 :**
(16:00 – 16:15) **The enhancement of the ionic conductivity of Sn-doped LiTi₂(PO₄)₃ by formation of an Al, Sn co-doped system.**
Gugulethu Charmaine Nkala, University of the Witwatersrand.
- 15:15 – 15:30 :**
(16:15 – 16:30) **Probing the Local Structure of Bi₂O₃ Chemical Derivatives: The Tale of the Neglected Cation Sublattice.**
Sikhumbuzo Masina, University of the Witwatersrand.
- 15:30 – 15:35 :**
(16:30 – 16:35) **Closing Remarks.**
Dr Marcus Newton, University of Southampton.