

SAIP2025

Tuesday 8 July 2025

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (09:20 - 10:20)

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (10:50 - 12:30)

-Conveners: Abongile Bele

time	[id] title	presenter
10:50	[74] Exploring the structural, magnetic, and elastic properties of Mn ₅₀ Al _{50-x} Sn _x alloys: A DFT study	MOKWENA, Thabang
11:10	[79] A DFT novel study on acidic and neutral arsenate and enoic/enoate collectors adsorption on spodumene and feldspar mineral surfaces	MATLABJANE, Lesetja
11:30	[83] Structural, stability, and magnetic studies of polymer-coated magnesium-zinc ferrite nanoparticles synthesized via glycol-thermal route	Mr MTHIMKHULU, Sakhile Sduduzo
11:50	[304] Defects identification in \$SnO_2\$ semiconductor using positron annihilation techniques.	Ms MOTJOPE, Dineo
12:10	[314] Electrical and structural properties in Mo-Re alloys; a study on their superconductivity.	PAMHIDZAYI, Treatwell

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (14:40 - 15:40)

-Conveners: Edwin Mapasha

time	[id] title	presenter
14:40	[382] Comparative Analysis of Co-precipitation and Sol-Gel Derived Sm□Ni□O□ Nanoparticles: Structural, Chemical, Thermodynamic, and Magnetic Properties	CELE, Khethiwe
15:00	[399] Influence of SrO Concentration on Radiation Shielding Efficiency of Boro-Tellurate Glasses at High Photon Energies	MTHALANE, Sifiso
15:20	[491] Ultra-low temperature transport property measurement of nanocrystalline diamond films	BHATTACHARYYA, Shaman

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (16:10 - 17:30)

-Conveners: Hilary Masenda

time	[id] title	presenter
16:10	[514] Dft-based evaluation of Li□MnO□ as a promising cathode coating material for lithium-ion batteries	KGASAGO, MOGAU
16:30	[526] Magnetic Properties of Carbon Nanospheres Synthesized by the Chemical Vapour Deposition Technique	MOUANE, Othmane
16:50	[528] Assessing the Freysoldt, Neugebauer & van de Walle (FNV) and Kumagai–Oba (KO) finite-size corrections for Ce-vacancy complexes in diamond	Dr DEDNAM, Wynand

Wednesday 9 July 2025

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (09:20 - 10:20)

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (10:50 - 12:30)

Physics of Condensed Matter and Materials 2 - Solomon Mahlangu House (14:40 - 15:40)