

2023 African Light Source Conference

Tuesday 14 November 2023

Partner: African Physical Society (10:00-12:00)

time	[id] title	presenter
10:00	[89] Dark Matter Subhalo Properties in the Cosmic Web	Ms HUNDE, Feven Markos
10:15	[93] Black Holes in Holography Thermodynamics	YAHYA, Ladghami
10:30	[102] Constraining the phantom dynamical dark energy model and smoothing the Hubble tension.	Ms DAHMANI, Safae
10:45	[106] Comparing phantom dark energy models using statefinder diagnostic	MHAMDI, Dalale
11:00	[130] Deconvoluting source function from two-particle correlations in Heavy-ion Collision	NZABAHIMANA, Pierre
11:15	[91] Higgs inflation model with non-minimal coupling in hybrid Palatini approach	ASFOUR, Brahim
11:30	[127] Deblurring for Nuclear Physics	MAMBA, Sinethemba Neliswa
11:45	[98] Modified Hybrid Inflation, Reheating and Electroweak Vacuum stability	Mr ASHRY, Mustafa Ms IBRAHIM, Merna

Wednesday 15 November 2023

Partner: African Physical Society (10:00-12:00)

time	[id] title	presenter
10:00	[107] Thermodynamic Properties of Duffin Kemmer Petiau oscillator in a magnetic field with EUP	Dr SEK, Lakhdar
10:15	[120] Confined Atomic Systems in Charged Environments	MOUMNI, Mustafa
10:30	[88] Mathematical and Physical Foundations for QED	GILL, Tepper
10:45	[118] Terms of Trade, Institutional Quality and Exchange Rate Volatility in the Economic Community of West African States	Ms ESHUN, Rosemary
11:00	[94] Comparative Study on X-ray Imaging with CsI(Tl) Scintillators: Monte Carlo Simulation using GEANT4	Mr BENKABDI, Charaf Eddine Prof. EL BARDOUNI, Tarek
11:15	[119] Tapered Fiber Connector and its performance analysis	Dr JHA, Ved Nath
11:30	[101] A Novel Sparse Linear Array via Maximum Interelement Spacing Concept for DOA Estimation Applications	Dr WANDALE, Steven
11:45	[96] Freely Available Complete Video Optics Course	TREBINO, Rick

Thursday 16 November 2023

Partner: African Physical Society (10:00-11:30)

time	[id] title	presenter
10:00	[97] Optimization of Properties of Bismuth doped Germanium-Antimony-Selenium-Tellurium for Threshold Switching Applications	MULAMA, Austine Amukayia
10:15	[99] Fabrication of dye sensitized solar cell using produced platinum doped multiwall carbon nanotube as counter electrode.	Dr IBRAHIM, Sharifat Olalonpe
10:30	[103] Protocol for Dy ³⁺ modified NaCaVO ₄ Nanophosphors in Solid-State Lighting Applications: Structural and Luminescence Investigations	PATHANIA, KAMNI
10:45	[100] Study of optical and energy transfer on co-activated ZnAl ₂ O ₄ :0.1% Tb ³⁺ , 0.1% Sm ³⁺ nanomaterial prepared using the citrate precursor method.	DLAMINI, Clinton
11:00	[92] Cobalt Sulfide-Based Biosensor anchored on Graphene for Continuous Monitoring of glucose in sweat.	AKIIGA, Ngutor
11:15	[122] Prediction of Polymorphism and Crystallographic Properties of Cinnamic Acid using CSD-Materials	TETTEH, Samuel

Partner: African Physical Society (11:45-13:05)

time	[id] title	presenter
11:45	[111] Obtaining high yield recombinant Enterococcus faecium nicotinate nucleotide adenylyltransferase for X-ray crystallography	JEJE, Olamide
12:00	[123] Layered high-pressure, high-temperature experiments with lunar Fe-Ti cumulate and Mg-rich mantle compositions to understand the origin of varied Ti-contents of lunar basalts	MOITRA, HIMELA
12:15	[131] First-principles investigation of MXenes M ₄ C ₃ (M = Sc, Cr, and Mn) for clean energy	Mr DARKAOUI, El Mokhtar
12:30	[135] Laser-induced nonthermal diffusion of impurities and vacancies in Silicon	Mrs K. MEBOU, C. I.

Friday 17 November 2023

Partner: African Physical Society (10:00-12:00)

time	[id] title	presenter
10:00	[104] Lamellipodia-like membrane protrusions regulate the integrity of epithelial cell-cell adhesions	Dr SENJU, Yosuke
10:15	[128] Effect of an ambient environment on light-induced degradation of organic solar cells based on a benzodithiophene–quinoxaline copolymer in air	Mrs GEBREMARIAM, Kidan
10:30	[112] Biogeochemical Chlorination of Marine Organic Matter	LERI, Alessandra
10:45	[105] Bio-fertilizers	SHAAPER, Aondoakura