

### **Monday 27 October**

12:00

#### **Condensed Matter Physics**

Session | Location: MLIT, 3d floor, 310

12:00-12:15

From Ion Tracks to Nanoscale Holes in Oxide Semiconductors: Swift Heavy Ion Engineering of BiVO4 for Solar Water Splitting

Speaker

Marko Jelić

12:15-12:30 The alteration of Li2SrSiO4 via Ga doping for application in LEDs

Speaker

Rethabile Phokojoe

12:30-12:45 ELECTROPHYSICAL PROPERTIES OF n-Si<Pd>, IRRADIATED WITH GAMMA-RAYS

Speaker

Dilmurod Rakhmanov

12:45-13:00

Insights on Structural and Morphological Properties of Titanium Doped Li-Rich Layered Cathodes

Speaker

Moloko Emmanuel Kgoedi

13:00 14:00

**Condensed Matter Physics** 

Session | Location: MLIT, 3d floor, 310

14:00-14:15

INTERACTION OF THE ANTI-CANCER DRUG SULFORAPHANE WITH DMPC MODEL LIPID MEMBRANES

Speaker

Марина Науменко

14:15-14:30 SIMULATION OF A NEUTRON REFLECTOMETRY EXPERIMENT FOR A HELICOID

Speaker

Roman Sadradze

14:30-14:45 NEUTRON DIFFRACTION STUDIES OF FUNCTIONAL ALLOYS Fe-Ga-RE

Speaker

Bekarys Yerzhanov

14:45-15:00

Supramolecular organization of copper-coordinated segmented polyurethanes according to SAXS data

Speaker

Zheng Li

15:00-15:15

Impact of He+ ion irradiation on CuO nanostructures: defect formation and structural analysis

Speaker

Silvia María Fortuné Fábregas

15:30

16:00

#### **Condensed Matter Physics**

Session | Location: MLIT, 3d floor, 310

10.00

16:00-16:15 Concept of the Bragg monochromator for very cold neutrons

Speaker

Ms Victoria Shpilevskaya

16:15-16:30

Investigations of depth profile of native oxide layers covering GaAs implanted with noble gas by Rutherford Backscattering Spectroscopy with Nuclear Reaction

Speaker

Hoa Bui

16:30-16:45

Investigation of non-stoichiometric ZnxFe2O4 (x = 0.95,1.00,1.05) nanostructures for the detection of toxic and flammable gases

Speaker

VUYOLWETHU Mhlebi

17:00

### **Tuesday 28 October**

12:00 **Condensed Matter Physics** Session | Location: MLIT, 3d floor, 310 12:00-12:15 Bioengineering of Zinc orthotitanate nanomaterials using hibiscus sabdariffa: electrochemical, and photocatalytic applications Speaker Adama FALL 12:15-12:30 A unique radio-sensitive 1D photonic crystal detector based on utilizing polymer of polystyrene blue in visible region. Speaker Mai El Sayed 12:30-12:45 The Myth of the Resistive Transition: Decoupling Dissipation from Irreversibility Field in Coated Conductors Speaker Valentin Guryev 12:45-13:00 Influence of the Initial Chemical Composition of Fe-Ga-Ge Alloys on the Sequence of Phase **Transformations** Speaker Ms Anna Zakharova 13:00 14:00 **Condensed Matter Physics** 

Session | Location: MLIT, 3d floor, 310

16:00

17:00

15:30

**Condensed Matter Physics** Session | Location: MLIT, 3d floor, 310

# Wednesday 29 October



## **Thursday 30 October**

