



# Advanced Nuclear Science and Technology Techniques Workshop

## Tuesday 17 May 2022

### Environmental Applications - Visitors Centre (10:00-11:05)

-Conveners: Innocent Jimmy Lugendo

time	[id] title	presenter
10:00	[108] Spectroscopic Systems: From research to applications	BOSTON, Helen
10:45	[100] Design and construction of a gamma-ray spectrometer with water shielding for low-level natural occurring radioactive material measurement	Dr BASHIR, Munirat

### Environmental Applications - Visitors Centre (11:30-12:00)

-Conveners: Innocent Jimmy Lugendo

## Wednesday 18 May 2022

### Environmental Applications - Visitors Centre (10:00-11:05)

-Conveners: Daniel BONGUE

time	[id] title	presenter
10:00	[5] Environmental Radioactivity Monitoring and Radiological Impact Assessment of Agbara Industrial Area, Ogun State, Nigeria	Dr USIKALU, Mojisola
10:45	[101] SURVEY OF RADIATION LEVELS AT ITHEMBA LABS USING A MOBILE RADIATION DETECTION UNIT EQUIPPED WITH A LaBr3:Ce DETECTOR	VAN NIEKERK, Ferdie

### Environmental Applications - Visitors Centre (11:30-13:05)

-Conveners: Gharib Mohamed

time	[id] title	presenter
11:30	[106] EVALUATION OF RADIOLOGICAL HAZARDS DUE TO NATURAL RADIOACTIVITY IN SOIL SAMPLES COLLECTED IN AND AROUND SOME GOLD MINING AREAS OF THE MAYO-KEBBI REGION IN CHAD WITH STATISTICAL ANALYSES.	BONGUE, Daniel Mr PENABEI, Samafou
12:15	[109] Radioactivity assessment of radium and radon concentrations in water sources at and near selected former uranium mines in the West-Rand area of Johannesburg	TSEWU, Ayabulela
12:35	[104] Implementation of the k0-based Neutron Activation Analysis (NAA) methodology and k0-IAEA program at the Centre for Energy Research and Training (CERT), Zaria, Nigeria	Dr ADELEYE, Michael

### Environmental Applications - Visitors Centre (14:00-14:30)

time	[id] title	presenter
14:00	[107] Gamma-ray spectroscopy and its associated radiological risk of beach sand and soil samples from Zanzibar, United Republic of Tanzania	MOHAMED, Gharib