The 5th Advanced Nuclear Science and Technology Techniques (ANSTT5) Workshop

15 – 19 April 2024 at NRF-iThemba LABS, Cape Town

SPEAKERS



Prof. Helen Boston obtained a PhD in experimental nuclear physics from the University of Liverpool in 2001. Helen then spent a number of years at TRIUMF, Canada. as a research scientist researching super allowed beta decays and nuclear spectroscopy using the 8Pi, GPS, SPECTAR and TIGRESS arrays. She returned to Liverpool to take up a position in the Nuclear Physics group leading research into novel detector designs for a broad range of applications such as medical imaging, security environmental assaying and nuclear decommissioning. She is also the PGT programme director for Clinical Sciences in Medical Physics and Bioinformatics.

Dr Jacobus Diener

from Stellenbosch University, South Africa. After a postdoctoral fellowship at the National Institute for Theoretical Physics, he joined the Department of Physics and Astronomy at BIUST in 2016. His research interests are the thermodynamics of dense and highly magnetized neutron and neutron star matter and its application to the neutron star interior. He also has a keen interested in education and is currently researching ways to improve students' conceptual





is a PhD (Physics) graduate

understanding in Physics.



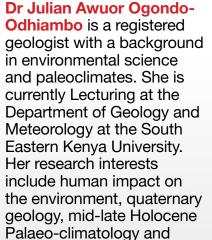
Dr Innocent J. Lugendo is a Lecturer, a Researcher

He currently serves as the Academic Manager of the Central Science Workshop at the University of Dar es Salaam where he has been a faculty member since September 2009. Dr. Lugendo holds a Ph.D. in Nuclear Physics with specialization in Nuclear Structure and Radiation Detectors. His research interests are in the areas of Nuclear Technologies including Radiation Detectors, Nuclear Analytical Techniques, Medical Imaging and Radiotherapy.



Palaeoenvironments, and

and Consultant in the fields of Nuclear Physics and Nuclear Technology.



micropaleontology.

Ms Edzani Ratsibi works at Necsa as a Reactor

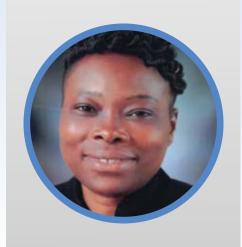


Utilization Supervisor for the SAFARI-1 Research Reactor. Ms Ratsibi has a background in Physics, Material Science, and Science and Technology studies. She holds a BScdegree in Applied Physics (UKZN), an MSc-degree in Physical Science (UWC), and an MPhil in Science and Technology Studies (SU) with focus on Science Communication. Ms Ratsibi has been actively involved in the communication of nuclear science and technology with keen interest of non-power applications of nuclear energy.



Dr Mojisola Usikalu

holds a PhD from Covenant University, in Ota. Her current research focuses on the effect of radiation on biological materials, the determination of radioactivity levels and its implication on health, and environmental forensics. She is a recipient of the Elsevier Foundation Award for Early Career Women in Physics and Mathematics and member of the Editorial Board for a number of local and international journals.



Dr Stephan Woodborne

is the Senior Accelerator Mass Spectrometry Scientist at NRF-iThemba LABS (Laboratory for Accelerator Based Sciences), an Associate Professor at the Mammal Research Institute at the University of Pretoria, and a research associate at the University stable light isotope analyses.

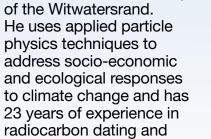


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