



National Science Week 2021

online Public Lecture Series



WHAT DO SCIENTISTS DO?

A Look Inside the Ivory Tower

Join us for an entertaining and informative look at the interesting research being undertaken by CAES academics

DAILY FROM 17h30-18h30

Tuesday, 3 August

Professor Michael Brooks

#WEFLYROCKETS!

The Why and How of
Aerospace Propulsion
Research at UKZN



Wednesday, 4 August

Ms Tankiso Moso

MYSTERIOUS MARION ISLAND:

Developing and Testing Radio
Astronomical Equipment
in the Cold



Thursday, 5 August

Professor Andrew Green

LIFTING BACK THE WATERS:

Adventures in Southern
African Marine Geology



To RSVP, [Click here](#)

ABOUT THE SPEAKERS



MIKE BROOKS is Associate Professor and Head of Mechanical Engineering at the University of KwaZulu-Natal. He is the co-founder of the UKZN Aerospace Systems Research Group (ASReG), a Senior Member of AIAA and the Programme Manager of the ASReG Phoenix Hybrid Rocket Programme. ASReG focuses on space propulsion research in hybrid and liquid rocket systems.



TANKISO MOSO is currently employed as the Graduate Engineer in Training by the South African Radio Astronomy Observatory (SARAO) under the radio frequency interference (RFI) division/department, a position she took up in February 2021 directly after completing her Master of Science degree in Applied Mathematics *cum laude* from the University of KwaZulu Natal (UKZN). Her specialisation is Instrumentational Astrophysics and her MSc focused on Low-Frequency Observations of the Radio Sky from Marion Island. During her years of study at UKZN she was a member of the Astrophysics Research Centre and had a chance to go to this mysterious Marion Island in 2019 and again in 2021 as a UKZN research team leader. In 2020 she was invited at McGill University, Montreal, Canada to develop and test radio astronomical equipment which was going to be installed at Marion Island as part of a collaborative effort between McGill University and UKZN.



ANDY GREEN is Professor of Marine Geology and Sedimentology at the University of KwaZulu-Natal. He is interested in the seafloor and how changes in past sea level have shaped it and in turn left fingerprints for palaeo-sea level reconstruction over the last several hundred thousand years. A native of Zimbabwe, he has lived in Durban since the age of four, where he fell in love with the warm waters of the Indian Ocean. It has been his life's passion ever since. Interested people can access his scientific research at <https://scholar.google.co.za/citations?user=C1wqh20AAAAJ&hl=en>