

# NELSON MANDELA

## UNIVERSITY

# National Science Week 2018

The Road to Mvezo



## Maths Departmental Seminar: Radio astronomy and SKA project



The Faculty of Science department of Mathematics and Applied Mathematics will be hosting a departmental seminar on Radio astronomy and the SKA project, presented by Dr Martin Weigt

Radio astronomy started in the 1940s and is about making use of radio waves to reveal information about galaxies, which optical telescopes cannot reveal. Many galaxies, including active galaxies, emit radio waves which revealed, amongst other things, the existence of supermassive black holes in their centers. A vast array of radio telescopes, called SKA, is currently under construction in the Northern Cape, and when completed, will be one of the world's biggest radio telescopes.

This talk will focus on galaxies, their structure and what radio waves can reveal about them, which other parts of the electromagnetic spectrum cannot: A discussion on what SKA will contribute to our understanding of the universe will also be discussed.

This public lecture forms part of the pre-launch activities leading up to the 2018 National Science Week

**27 July 14:00**

**South Campus**

**Building 7, 2<sup>nd</sup> floor, room 50**

For More Information / Questions contact Science Marketing at  
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