



## SYNOPSIS

Astrophysics and cosmology are two exciting but broad topics which involve a wide range of research. National Science Week is for celebrating and sharing science and in my talk I will discuss some of the more recent and interesting discoveries in astrophysics. From 3D printing and ultrasounds to new (imaginary?) planets and triple black holes, I will try share with you why astronomers get so excited about discovering our Universe.



## BIOGRAPHICAL PROFILE:

### *Kenda Knowles*

Kenda Knowles began her interest in astronomy as a career during the latter years of high school at PMB GHS after spending her childhood staring up at the clear night skies only found by living outside cities. She decided to study Computational Physics at UKZN PMB, completing her honours in Physics at that institute, graduating Summa Cum Laude. After a brief

stay at UCT she returned to the green and friendly KZN to begin her Masters in Cosmology at UKZN Westville where she became a part of the Astrophysics and Cosmology Research Unit (ACRU). She is currently completing her PhD - her thesis uses deep radio observations to search for merger signatures in galaxy clusters to better understand cluster formation histories and internal cluster physics. Kenda has travelled to four continents and seven countries during her postgraduate research and is involved with ACRU public and schools outreach.

## In celebration of National Science Week

The College of Agriculture, Engineering and Science  
cordially invites you to attend a

## Public Talk

# Astrophysics: recent discoveries and mysteries

by

Kenda Knowles  
UKZN



**Date:** Tuesday, 5 August 2014

**Venue:** Science & Technology Education Centre (STEC),  
Westville Campus, UKZN

**Time:** 5:30 for 6:00 PM

*The Public Lecture will be followed by light refreshments*

**ENQUIRIES:** Dr Tanja Reinhardt on 031 260 2524 or e-mail [stec@ukzn.ac.za](mailto:stec@ukzn.ac.za).  
Website: [www.stec.ukzn.ac.za](http://www.stec.ukzn.ac.za)

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