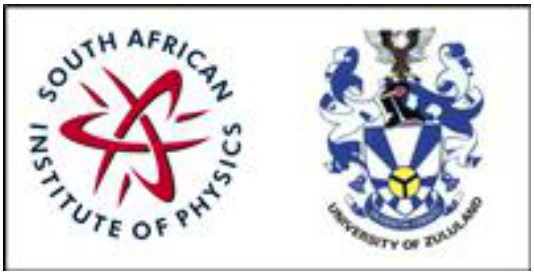

Contribution ID: **173** Type: **Poster Presentation**

Multicolour Photometric Study Of Pulsation on Pre-Main Sequence Star V351 Ori (HD 38238)

Wednesday, 10 July 2013 17:40 (1 hour)

Abstract content
   (Max 300 words)

V351 Ori is a member of the Herbig Ae stars that are characterized by large infrared excess, emission in hydrogen lines and non periodic photometric and spectroscopic variability. Some of them have been found to pulsate in radial and non-radial modes. V351 Ori has been fond to pulsate in different frequencies ranging from 11 c/d to 30 c/d in radial mode. We observed this star over three weeks in December 2012 and February2013. Before 1986 the brightness of this star showed changes due to dust obscuration. However after 1986 such variability disappeared. The lack of variability was explained as the disappearance of obscuring material around the star. Now we wish to compare the pulsation frequencies measured at different times to see if there are any systematic changes and whether we can model the change.

Apply to be
 considered for a student
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Yes

Level for award
 (Hons, MSc,
   PhD)?

MSc

Main supervisor (name and email)
and his / her institution

Thebe Rodney Medupe(thebe@ast.uct.ac.za)
North West University

Would you like to <br> submit a short paper <br> for the Conference
 Proceedings (Yes / No)?

yes

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Session Classification: Poster2

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