



Contribution ID: 77

Type: Oral Presentation

MeerLICHT: MeerKAT's optical eye

Wednesday, 5 July 2017 14:00 (20 minutes)

MeerLICHT is a 65cm optical telescope situated in Sutherland. The MeerLICHT project, as a part of the ThunderKAT project, will be linked to MeerKAT in real-time, in order to provide simultaneous optical and radio observations of the transient sky. Since transient events often requires multi-wavelength observations within a short time lapse, the combination of MeerLICHT and MeerKAT will provide invaluable information on emission at both wavelengths, including the relation and evolution of emission from both wavelength windows.

After the installation and commissioning of MeerLICHT in May-June 2017, early science on MeerLICHT has begun. This, along with testing the link between MeerLICHT and MeerKAT, will continue until MeerKAT is completed and released for science.

In this talk, I will present an overview of the MeerLICHT and ThunderKAT projects as a whole, an overview of the MeerLICHT pipeline, early science results obtained with MeerLICHT, as well as the timeline and future works of the projects.

Apply to be considered for a student award (Yes / No)?

Yes

Level for award (Hons, MSc, PhD, N/A)?

PhD

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

Prof. Patrick Woudt: pwoudt@ast.uct.ac.za
UCT

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

Yes

Primary author: Ms PATERSON, Kerry (UCT)

Co-authors: Prof. WARNER, Brian (UCT); Prof. WOUDT, Patrick (Department of Astronomy, University of Cape Town); Prof. GROOT, Paul (Radboud University); Dr VREESWIJK, Paul (Weizmann Institute of Science); Dr BLOEMEN, Steven (Radboud University); Dr MCBRIDE, Vanessa (University of Cape Town & SAO)

Presenter: Ms PATERSON, Kerry (UCT)

Session Classification: Astrophysics

Track Classification: Track D1 - Astrophysics