

Session Program

16-17 Jul 2020



2020 MWA Virtual Project Meeting

Science

Thursday 16 July

08:40

Science: EoR

Session | Location:

08:40–09:00

Multi-redshift upper limits on the signal from the Epoch of Reionisation using the Murchison Widefield Array

Speaker

Cathryn Trott

09:00–09:20

A Unified Calibration Framework for 21 cm Cosmology

Speaker

Ruby Byrne

09:20–09:40

Measuring MWA Beam Shapes Using Satellites

Speaker

Aman Chokshi

09:40–10:00

WODEN: An MWA specific GPU simulation code

Speaker

Jack Line

10:00

10:20

Science: SHI

Session | Location:

10:20–10:40

SHI Update

Speaker

Divya Oberoi

10:40–11:00

The MWA IPS Phase-II Survey

Speaker

John Morgan

11:00–11:20

First radio evidence for impulsive heating of the quiet solar corona

Speaker

Surajit Mondal

11:20–11:40

Probing fine spatial, temporal and spectral structures of the Sun

Speaker

Rohit Sharma

11:40–12:00

Solar flux density calibration with in-field sources for MWA solar observation

Speaker

Devojyoti Kansabanik

12:00

13:00

Science: GEG

Session | Location:

13:00-13:20 **GEG Update****Speaker**

Chenoa Tremblay

13:20-13:40

An MWA Phase II follow up of diffuse, non-thermal radio emission in galaxy clusters**Speaker**

Stefan Duchesne

13:40-14:00

Dying radio galaxies as seen by MWA, ASKAP and ATCA**Speaker**

Benjamin Quici

14:00-14:20

Centaurus A like you have never seen it before**Speaker**

Benjamin McKinley

14:20-14:40

All-sky results from the POLarised GLEAM Survey (POGS)**Speaker**

Christopher Riseley

14:40-15:00

An update on the GLEAM 4-Jy (G4Jy) Sample**Speaker**

Sarah White

15:00-15:20

Unexpected Spectral Variability at Low Frequencies**Speaker**

Kathryn Ross

15:20

Friday 17 July

09:00

Science: Phase III Discussion

Session | Location: | Convener: Prof. Melanie Johnston-Hollitt

10:00

11:20

Science: Transients

Session | Location:

11:20-11:40 **Transients Update**

Speaker

Paul Hancock

11:40-12:00 **Looking for cosmic rays with the MWA at 15ns time resolution**

Speaker

Alexander Williamson

12:00

13:00

Science: Transients

Session | Location:

13:00-13:20 **Introduction of SHAO Transient Pipeline (STEP)**

Speaker

Zhijun Xu

13:20

13:20

Science: VCS

Session | Location:

13:20-13:40 **VCS science update**

Speaker

Ramesh Bhat

13:40-14:00

Frequency-dependent polarisation in high time resolution studies of PSR B0031-07's single pulses

Speaker

Sam McSweeney

14:00-14:20

Dispersion measure investigation towards millisecond pulsars with the MWA

Speaker

Dilpreet Kaur

14:20-14:40 **MWA-VCS pulsar search and beamforming on CSKAP**

Speaker

Zhongli Zhang

14:40