

Session Program

7-11 Jul 2025



National Astronomy Meeting (NAM) 2025

Radio Astronomy in the build up to the SKAO

Teaching and Learning Centre (TLC)
Durham University South Road Durham DH1 3LS

Wednesday 9 July

14:15

Radio Astronomy in the build up to the SKAO

Session | Location: TLC106

14:15–14:27

Detecting the Universe's structure with the SKAO precursor MeerKAT in cross-correlation with galaxy surveys

Speaker

Steve Cunnington

14:27–14:39

Prospects of a statistical detection of the 21-cm forest and its potential to constrain the thermal state of the neutral IGM during reionization

Speaker

Dr Tomáš Šoltinský

14:39–14:51

Non-thermal Radio Filaments in the Galactic Plane

14:51–15:03

RFI protection of the SKAO

15:03–15:15

A striking signature of shocks in compact red quasars?

Speaker

Ciera Sargent

15:15–15:27

LOFAR studies of radio-loud AGN: insights into the SKA era

15:27–15:39

Strap on your Boötes: The Journey to Achieve Widefield Sub-arcsecond Resolution with LOFAR

Speaker

Emmy Escott

15:39–15:45

Poster Flash Presentations

15:45

Thursday 10 July

09:00

Radio Astronomy in the build up to the SKAO

Session | Location: TLC106

09:00–09:12

Anomaly detection techniques for transient detection in the era of the SKA

Speaker

Dr Alex Andersson

09:12–09:24

VLA broad-band monitoring of the flux-ratio anomalous lens system B2045+265 as a probe for dark matter

09:24–09:36

Finding Complex Radio Sources in the Rapid ASKAP Continuum Survey using Self-Organising Maps

09:36–09:48

On-The-Fly Mapping of the MeerKLASS Survey

09:48–10:00

Radio-AGN across the galaxy population: implications for fuelling and feedback

10:00–10:12

Role of environment in the jet powering mechanism of radio quasars - insights from the LOFAR Two-metre Sky Survey (LoTSS)

Speaker

Bohan Yue

10:12–10:30

Poster Flash Presentations

10:30

16:15

Radio Astronomy in the build up to the SKAO

Session | Location: TLC106

16:15–16:27

Discovery of the largest radio jet at $z \sim 5$ in the radio-loud quasar J1601+3102

Speaker

Frits Sweijen

16:27–16:39

The alignment of galaxies and AGN jets in the cosmic web environment probed with LOFAR

Speaker

Lyla Jung

16:39–16:51

Probing M Dwarf Magnetism with e-MERLIN and VLA: A Step Toward the SKA Era

16:51-17:03

MIGHTEE-HI: The radial acceleration relation with resolved stellar mass measurements over 1 Gyr**Speaker**

Andreea Varasteanu

17:03-17:15

Mapping Faraday Rotation in Large Radio Galaxies from POSSUM**Speaker**

Sam Venables

17:15-17:27

Looking Beyond Linear Scales with HI Intensity Mapping**Speaker**

Aishrila Mazumder

17:27-17:39

Why are the radio sources missing in the Fornax cluster?**Speaker**

Dr Alvina Yee Lian On

17:39-17:45

Update from SKA ECR committee

17:45