

Early Career Researchers in Radio Astronomy and the SKAO Schedule

Talks

Wednesday 16h15-17h45

16h15: Introduction to the session and the SKAO UK ECR committee

16h25: The PATCHwork survey: Mining MeerKAT datasets for hundreds of new discoveries (Marcin Glowacki)

16h40: HI mass function from the largest sample of direct HI detections at $z>0.2$ (Michalina Maksymowicz-Maciata)

16h55: Galaxy bias of radio AGN and star-forming galaxies from MIGHTEE and CMB lensing (Joel Hamlett)

17h10: From star formation to AGN jets: a probabilistic approach to the MIGHTEE radio sky (Charlotte Jackson)

17h25: Spectropolarimetric analysis of a sample of powerful jets in nearby galaxy groups with MeerKAT (Yifei Gong)

Thursday 09h00-10h30

09h00: Planning for Science with the SKAO Telescopes (invited) (Tyler Bourke)

09h25: The Astrophysics Centre for Multi-messenger studies in Europe (ACME): paving the way for multi-messenger synergies in the era of the SKAO (Clare Wethers)

09h40: Half-century monitoring of SNRs in M82 e-MERLIN and the EVN (Emily Walls)

09h55: A MeerKAT Search for Narrowband Off-Pulse Radio Emission in Canonical Pulsars (Jake Mendelsohn)

10h10: Radio Emissions from Ultra-compact White Dwarfs (Anwesha Sahu)

Thursday 14h15-15h45

14h15: The UK SKA Regional Centre: Opening Doors for the SKA Era (Julia Healy)

14h30: Wide-field on-the-fly imaging with MeerKLASS interferometric data : Exploring self-supervised classification and the effects of bright sources. (Thea Hauxwell)

14h45: Modelling the Effects of Primary Beam Heterogeneity in SKA-Mid for 21cm Cosmology (Tobias Russell)

15h00: Poster sparkler talks

15h10: Constraining Λ CDM with 21cm-Weak Lensing Cross-Correlations: A Density-Split Analysis from SLICS to SKAO (Dhaval Sai Srinivas)

15h25: From atoms to voids: constraining cosmology with voids found by MeerKAT (Jamie Incley)

Posters

- Studying the nearby Universe with e-MERLIN: an update to the LeMMINGs survey at 5 GHz and 50 mas resolution (David Williams-Baldwin)
- The MeerKAT Radio View of Star Formation in The Galactic Plane (Laurinda Macarique)
- Insights into Intermittent Pulsars Ahead of the SKA (Tibby Finn Leeming)
- Surrogate modelling of the REACH beam pattern for robust 21-cm signal extraction (Harry Bevins)
- Exploring Low-Frequency Radio Emission from Massive Young Stellar Objects (Kennedy Konga)
- Probing the Orion Nebula Cluster: A Radio Perspective on Photoionised Discs (Online) (Mwakoi Namukulo)
- Halfway to cosmic noon: New HI windows on environmentally driven galaxy evolution with MeerKAT (Joshua Bishop)