

Session Program

3-11 Jul 2025



Annual Scientific Meeting & Harley Wood School

Methods & Applications

University of Adelaide
North Terrace Campus

Monday 7 July

10:00

Methods & Applications

Session | **Location:** University of Adelaide, Scott Theatre

10:00-10:15

Revised Open Cluster Membership Probabilities in GALAH DR4 and their Abundances and Kinematics

Speaker

Shourya Mukherjee

10:15-10:30

An Unbroken View of the Milky Way: Continuous Maps of Faint Emission Lines at Sub-Parsec Scales with the SDSS-V Local Volume Mapper

Speaker

Thomas Hilder

10:30-10:45

Tesselating the Stars with Jewel Aperture Masking

Speaker

Grace Piroscia

10:45-11:00

SPICE: Differentiable Synthetic Spectra Modeling for Stars with Surface Inhomogeneities

Speaker

Maja Jablonska

11:00

Wednesday 9 July

10:00

Methods & Applications

Session | **Location:** University of Adelaide, Darling West

10:00–10:15

Point source inference using Parametric Cataloguing

Speaker

Gabriel Collin

10:15–10:30

Detecting and analyzing LEO satellite streaks with MUSE

Speaker

Brayden Leicester

10:30–10:45

Enhanced astrometry of the rapid ASKAP continuum survey for precise localisation of fast radio bursts

Speaker

Akhil Jaini

10:45–11:00

Unveiling Gravitational Lenses in Colour: Multi-band Reconstruction of Sixteen Lensed Systems with PISCO

Speaker

Huimin Qu

11:00

Thursday 10 July

10:00

Methods & Applications

Session | **Location:** University of Adelaide, North Terrace Campus

10:00-10:15

Quantifying Radio Source Morphology

Speaker

Lachlan Barnes

10:15-10:30

More Precise Galaxy Distances using Machine Learning

Speaker

Melissa Campbell

10:30-10:45

Novel, Independent Approach to VLBI Black Hole Imaging

Speaker

Samuel Lai

10:45-11:00

Image Reconstruction with the James Webb Interferometer

Speaker

Max Charles

11:00