



# 2018 ICRAR/CASS RADIO SCHOOL



**1 - 5 October 2018**  
**Geraldton, Western Australia**



This School aims at teaching the fundamentals of Radio Astronomy and will also introduce participants to hands-on reduction of data from ASKAP and MWA. No prior experience with radio astronomy is required.

## Lecture Topics:

- Basics of radio telescopes
- Fundamentals of interferometry
- Flagging & calibration
- Imaging & deconvolution
- Source extraction & characterisation
- Phased array feeds & aperture arrays
- Polarimetry
- Spectral-line processing
- Transient imaging
- Error mitigation
- Wide-field & wide-band imaging
- Pawsey Supercomputing Centre
- ASKAP & MWA data processing

## Key Dates:

Registration opens: April 2018  
Registration deadline: 6 July 2018

## Confirmed Lecturers:

A. Chippendale (CSIRO), R. Ekers (CSIRO), P. Hancock (ICRAR-Curtin), I. Heywood (Oxford / Rhodes U.), N. Hurley-Walker (ICRAR-Curtin), M. Huynh (ICRAR-CSIRO), K. Lee-Waddell (CSIRO), E. Lenc (CSIRO), C. Lynch (Sydney U.), E. Mahony (CSIRO), D. Mitchell (CSIRO), A. Offringa (ASTRON), R. Perley (NRAO), M. Rioja (ICRAR-UWA), G. Slep (ICRAR-Curtin), T. Westmeier (ICRAR-UWA)

**For more information, please visit**

**[www.icrar.org/conferences/radio-school-2018](http://www.icrar.org/conferences/radio-school-2018)**

Murchison Widefield Array



Australian Square Kilometre Array Pathfinder



There will be an opportunity for School attendees to visit the Murchison Radio-astronomy Observatory to see the MWA and ASKAP

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