

## Program for the 7<sup>th</sup> ATNF Synthesis Imaging School

### Monday Sep 18

- 8:30 Registration + coffee
- 9:00 Introduction & Welcome (Phil Edwards)
- 9:10 Safety Induction (Michael Dahlem)
- 9:15 Principles of Interferometry I:  
introduction, motivation and basics (Dave McConnell)
- 10:15 Morning tea
- 10:45 Principles of Interferometry II: detailed theory (Rick Perley)
- 11:45 Principles of Interferometry III: practical applications (John Dickey)
- 12:45 Lunch
- 1:45 Signal Processing (Graeme Carrad)
- 2:45 Telescopes of the World (John Storey)
- 3:45 Afternoon Tea
- 4:00 Q&A with the speakers, announcements, late registration payments etc
- 5:10 Bus to pick up
- 7:30 Dinner at Bowling Club (Radio Astrology John Storey)

### Tuesday Sep 19

- 8:45 Coffee
- 9:00 (sharp!) Fourier Transforms (John Dickey)
- 10:00 Calibration and Editing (John Reynolds)
- 11:00 Morning tea, group photograph
- 11:30 Imaging and Deconvolution (Mark Wieringa)
- 12:30 Observing Strategies (Jessica Chapman)
- 1:15 Lunch
- 2:15 Group A (tutorial & site tour), Group B (data reduction),  
Group C (observing)
- 3:30 Afternoon Tea
- 5:15 Q&A with the speakers
- 6:15 Bus to pick up

### Wednesday Sep 20

- 8:15 Coffee
- 9:00 (sharp!) Sensitivity (Ray Norris)
- 10:00 Data Analysis (Naomi McClure-Griffiths)

- 11:00 Morning tea
- 11:30 Error Recognition (Ron Ekers)
- 12:30 OPAL and the ATCA archive (Jessica Chapman)
- 1:00 Lunch
- 2:00 Group A (data reduction), Group B (observing),  
Group C (tutorial & site tour)
- 3:30 Afternoon Tea
- 5:15 Q&A with the speakers
- 6:30 Drinks & Nibbles
- 7:00 Aboriginal Astronomy (Ray Norris)
- Later Camp Fire Dinner
- 10:30 Bus to pick up

### Thursday Sep 21

- 8:45 Coffee
- 9:00 (sharp!) Self Calibration (Steven Tingay)
- 10:00 Spectral Lines (Juergen Ott)
- 11:00 Morning tea
- 11:30 Wide Field Imaging (Tim Cornwell)
- 12:30 Polarimetry (Rick Perley)
- 1:30 Lunch
- 2:30 Group A (observing), Group B (tutorial & site tour),  
Group C (data reduction)
- 4:00 Afternoon Tea
- 5:30 Q&A with the speakers
- 6:15 Bus to pick up

### Friday Sep 22

- 8:45 Coffee
- 9:00 (sharp!) VLBI (Phil Edwards)
- 10:00 SKA, xNTD (Tim Cornwell)
- 11:00 Morning tea
- 11:30 Science Results & the Future (Elaine Sadler)
- 12:30 Closing Remarks/Final Questionnaire (SOC)
- 1:00 Conference close, BBQ lunch
- 2:30 Bushwalk to Sawn Rocks, scenic flights