

## Tuesday, 4 December 2012

### Special Session

09:30 Welcome

09:35 Fred Watson: Great Collaborations in Astronomy

### Session 1: Stars & Planets

10:00 Daniel Bayliss: Characterising Exoplanets

10:15 Graeme Salter: Direct Imaging of Anglo-Australian Planet Search Candidates

### > Coffee Break

11:00 Charles Kuehn: RR Lyrae in the LMC: Insights Into Milky Way Formation and the Oosterhoff Dichotomy

11:15 Francesco Di Mille: The Giant Jet of the Sanduleak's star.

### Session 2: Transients

11:30 Greg Madsen: Mining the Optically Variable Sky since 1950

11:45 Mike Keith: Pulsars

12:00 Keith Bannister: Follow-up of Molonglo radio transients

12:15 Benjamin Warrington: Upgrading the Path Length Compensator at the Sydney University Stellar Interferometer

### > Lunch Break

### Session 3: The Gaseous Content of the Milky Way

14:00 Yanett Contreras: Filamentary structures in the Galactic Plane

14:15 Ioannis Gonidakis: TBD

14:30 Alex Hill: Magnetic fields in high velocity clouds

14:45 Shari Breen: Masers: powerful tools in our Galaxy and beyond

15:00 Bi-Qing For: The Magellanic System: Interaction with the Galactic Halo

### > Coffee Break

### Session 4: Gas in Galaxies

15:45 John Morgan: Probing the ionised interstellar media of nearby galaxies

16:00 Peter Kamphuis: Tilted Ring Fitting in the HI Survey Era.

16:15 O. Ivy Wong: Large-scale HI streams

16:30 Luke Barnes: Neutral hydrogen in and around galaxies at high redshift

## Wednesday, 5 December 2012

### Session 5: Cosmology & Gravitational Wave Physics

- 09:30 David Parkinson: Cosmological model constraints with the WigglyZ Power spectrum
- 09:45 Eyal Kazin: Measuring  $H(z)$  and  $D_A(z)$  with the large-scale structure
- 10:00 Paul Lasky: Gravitational waves from magnetised neutron stars
- 10:15 Paul Hancock: Radio faint GRB afterglows

#### > Coffee Break

- 11:00 Ryan Shannon: Constraining the Nanohertz Gravitational Wave Background with the Parkes Pulsar Timing Array

### Session 6: ASKAP Special Session

- 11:15 Aidan Hotan: ASKAP Update

#### Special Session

- 11:30 Roger Davies: Getting Your Message Across

#### > Pizza in the Park and free afternoon.

## Thursday, 6 December 2012

### Session 7: Stellar Populations

- 09:30 Eli Bressert: How young massive clusters form and how to find their progenitors
- 09:45 Sebastian Haan: Probing the Formation of Nuclear Stellar Cusps in Extreme Starburst Galaxies
- 10:00 Nicholas Scott: Redefining the relationship between supermassive black holes and their host galaxies
- 10:15 Russell Jurek: Next-gen source finding for next-gen telescopes

#### > Coffee Break

### Session 7: Active Galactic Nuclei

- 11:00 James Allen: Measuring star formation and active galactic nuclei in galaxy spectra
- 11:15 Shane O'Sullivan: Thermal plasma within the giant lobes of Centaurus A
- 11:30 James Allison: Broad, weak HI 21 cm absorption in an early type galaxy: spectral-line finding and parameterisation
- 11:45 Julie Banfield: WISE Observations of Radio Selected Polarized AGNs

### Special Session

- 12:00 Greg Madsen: A Postdoc's Look at Education & Public Outreach

#### > Lunch Break

### Session 8: Galaxy Evolution

- 14:00 Lisa Fogarty: First Science with SAMI.
- 14:15 Andy Green: Galaxy Evolution: Solved?
- 14:30 Maritza A. Lara-Lopez: GAMA: A deeper view of the mass, metallicity, and SFR relationships
- 14:45 Chiara Tonini: The hierarchical evolution of BCGs

#### > Coffee Break

- 15:30 Michelle Cluver: Things that go Bump in the Mid-Infrared
- 15:45 Iraklis Konstantopoulos: The Evolution of Galaxies in Compact Groups
- 16:00 Amanda Bauer: A long time ago in cluster galaxies far, far away
- 16:15 Matt Owers: GAMA and the assembly of A1882