



**PROGRAM**  
**3<sup>RD</sup> AUSTRALIA CHINA WORKSHOP ON ASTROPHYSICS**  
**ACAMAR 3**  
**18<sup>th</sup> – 20<sup>th</sup> September 2017**

**MONDAY 18 SEPTEMBER 2016**

Time	Item
8:30am – 9:00am	Registration Desk Opens <i>Board Walk Gallery</i>
9:00am – 9:10am	<b>WELCOME/ACKNOWLEDGEMENT OF COUNTRY</b> LOC Announcements
9:10am – 9:20am	<b>WELCOME ADDRESS</b>
<b>Session 1: ANTARCTIC ASTRONOMY</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
9:20am – 9:40am	<b>Sun Kwok (invited talk)</b> <i>THz observations of molecular clouds from Antarctica</i> (15 min presentation + 5 mins Q&A)
9:40am – 9:55am	<b>Michael Ashley</b> <i>Future options for powering telescopes at Dome A</i> (12 min presentation + 3 mins Q&A)
9:55am – 10:15am	<b>Hui Zhang (invited talk)</b> <i>Searching for Exoplanet from Dome A, Antarctica</i> (15 min presentation + 5 mins Q&A)

10:15am – 10:30am	<b>Marc Duldig</b> <i>The importance of Antarctic Cosmic Ray observatories</i> (12 min presentation + 3 mins Q&A)
10:25am – 11:00am	<b>Morning Tea</b> <b>Board Walk Gallery</b>
<b>Session 2: ANTARCTIC ASTRONOMY</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
11:00am - 11:20am	<b>Xiaoyan Li</b> <i>AST3-2 performance at Dome A</i> (15 min presentation + 5 mins Q&A)
11:20am – 11:35am	<b>Matthew Freeman</b> <i>Measuring the K-band infrared sky background at the high Antarctic plateau</i> (12 min presentation + 3 mins Q&A)
11:35am – 11:50pm	<b>Zhaohui Shang</b> <i>Unattended Automatic AST3 Sky Survey at Dome A</i> (12 min presentation + 3 mins Q&A)
11:50pm – 12:10pm	<b>Sheng-Cai Shi (invited talk)</b> <i>THz/FIR Atmospheric Transmission Measured at Dome A</i> (15 min presentation + 5 mins Q&A)
12:10pm – 12:25pm	<b>Nick Tothill</b> <i>A survey of molecular gas in the Southern Galactic Plane</i> (12 min presentation + 3 mins Q&A)
12:25pm – 1:30pm	<b>Lunch</b> <b>Board Walk Gallery</b>
<b>Session 3: THE INTERSTELLAR MEDIUM</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
1:30pm – 1:45pm	<b>Jo Dawson</b> <i>Shining Light on the Dark ISM: The Role of ASKAP and FAST</i> (12 min presentation + 3 mins Q&A)

1:45pm – 2:00pm	<b>Di Li</b> <i>Tracing the Formation of Molecules in Space</i> (12 min presentation + 3 min Q&A)
2:00pm – 2:15pm	<b>Naomi McClure-Griffiths</b> <i>The FAST track to Diffuse Gas in the Milky Way Halo</i> (12 min presentation + 3 mins Q&A)
2:15pm – 2:35pm	<b>Boyang Liu and Kate Jameson</b> <i>Gas Temperature Demography in the Magellanic Clouds</i> (15 min co-presentation + 5 mins Q&A)
2:35pm – 2:50pm	<b>Bi-Qing For</b> <i>A radio continuum study of the Magellanic Clouds</i> (12 min presentation + 3 min Q&A)
<b>2:50pm – 3:20pm</b>	<b>Afternoon Tea</b> <b>Board Walk Gallery</b>
<b>Session 4: OPTICAL INSTRUMENTATION AND SURVEY SCIENCE</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
3:20pm – 3:40pm	<b>Anais Möller (invited talk)</b> <i>SkyMapper Transient Survey</i> (15 min presentation + 5 mins Q&A)
3:40pm – 4:00pm	<b>Xiangyan Yuan (invited talk)</b> <i>Optical system of Chinese Large Optical/IR Telescope</i> (15 min presentation + 5 mins Q&A)
4:00pm – 4:20pm	<b>Elisabete da Cunha (invited talk)</b> <i>The Taipan Galaxy Survey</i> (15 min presentation + 5 mins Q&A)
4:20pm – 4:35pm	<b>Jon Lawrence</b> <i>The AAO Instrumentation Program</i> (12 min presentation + 3 mins Q&A)
4:35pm – 4:50pm	<b>Shiyin Shen</b> <i>LAMOST galaxy survey</i> (15 min presentation + 5 mins Q&A)

4:50pm – 5:50pm	<b>BREAKOUT: ANTARCTIC ASTRONOMY</b> (Chairs: Yang, Ashley) Location:	<b>BREAKOUT: OPTICAL/IR INSTRUMENTATION</b> (Chairs: Lawrence, Cui) Location:	<b>BREAKOUT: FAST EARLY SCIENCE</b> (Chairs: Li, McClure-Griffiths) Location:
6:00pm – 8:00pm	<b>Welcome Drinks</b> <i>Board Walk Gallery</i>		

**TUESDAY 19 SEPTEMBER 2017**

Time	Item
6:30am	<i>Optional Activity</i> <i>Morning Walk – Meet Kate Gunn in Reception at 6:25am</i>
8:00am – 8:50am	<b>Registration Desk Open</b>
8:55am	<b>Announcements – Kate Gunn</b>
<b>Session 5: RADIO ASTRONOMY AND SKA</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
9:00am – 9:20am	<b>Lisa Harvey-Smith (invited talk)</b> <i>ASKAP Early Science</i> (15 min presentation + 5 min Q&A)
9:20am – 9:40am	<b>Bo Peng (invited talk)</b> <i>ACAMAR Era Ticking: Chinese Radio Astronomy</i> (15 min presentation + 5 min Q&A)
9:40am – 9:55am	<b>Randall Wayth</b> <i>MWA Phase II status and plans</i> (12 min presentation + 3 min Q&A)
9:55am – 10:15am	<b>Marko Krco (invited talk)</b> <i>FAST Commensal Survey Plan and Technical Challenges</i> (15 min presentation + 5 min Q&A)
10:15am – 10:30am	<b>Jimi Green</b> <i>A scientific hat-trick: Parkes, FAST &amp; the SKA</i> (12 min presentation + 3 min Q&A)
<b>10:30am – 11:00am</b>	<b>Morning Tea</b> <b>Board Walk Gallery</b>

**Session 6: RADIO ASTRONOMY AND SKA**

Session Chair:

Location: Wellington Room

11:00am – 11:15am	<b>Jingbo Wang</b> <i>QTT</i> (12 min presentation + 5 mins Q&A)
11:15am – 11:35am	<b>Cath Trott (invited talk)</b> <i>Epoch of Reionisation with the Murchison Widefield Array, and looking toward SKA</i> (15 min presentation + 5 min Q&A)
11:35am – 11:50am	<b>Attila Popping</b> <i>Where is the gas? Detecting Neutral hydrogen in the IGM</i> (12 min presentation + 3 min Q&A)
11:50am – 12:05pm	<b>Qingxiang Chen</b> <i>HI Cosmic Density via Stacking</i> (12 min presentation + 3 min Q&A)
12:05pm – 12:25pm	<b>Ray Norris (invited talk)</b> <i>Big Data: EMU and Machine Learning</i> (15 min presentation + 5 min Q&A)
12:25pm – 12:40pm	<b>Stas Shabala</b> <i>Active Galactic Nucleus feedback in the era of SKA pathfinders</i> (12 min presentation + 3 min Q&A)
12:40pm	<b>Group Photo</b> <i>Convention Centre Steps</i>
12:45pm – 1:30pm	<b>Lunch</b> <b>Board Walk Gallery</b>

**Session 7: TIME DOMAIN ASTRONOMY**

Session Chair:

Location: Wellington Room

1:30pm – 1:50pm	<b>Xuefeng Wu (invited talk)</b> <i>Magnetar-powered high energy transients in the distant universe</i> (15 min presentation + 5 min Q&A)
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1:50pm – 2:05pm	<b>Ryan Shannon</b> <i>The population of fast radio bursts detected with ASKAP</i> (12 min presentation + 3 min Q&A)
2:05pm – 2:20pm	<b>Shi Dai</b> <i>Prospects for Discovering Pulsars in Future Continuum Surveys Using Variance Imaging</i> (12 min presentation + 3 min Q&A)
2:20pm – 2:35pm	<b>Ramesh Bhat</b> <i>Wide-band low-frequency observations of millisecond pulsars</i> (12 min presentation + 3 min Q&A)
2:35pm – 2:50pm	<b>Jeremy Mould</b> <i>The OzDES Survey</i> (12 min presentation + 3 min Q&A)
<b>2:50pm – 3:20pm</b>	<b>Afternoon Tea</b> <b>Board Walk Gallery</b>
<b>Session 8: TIME DOMAIN ASTRONOMY</b> <b>Session Chair:</b> <b>Location: Wellington Room</b>	
3:20pm – 3:40pm	<b>John Morgan (invited talk)</b> <i>Interplanetary scintillation as an astrophysical tool</i> (15 min presentation + 5 min Q&A)
3:40pm – 3:55pm	<b>Songbo Zhang</b> <i>TBC</i> (12 min presentation + 3 min Q&A)
3:55pm – 4:10pm	<b>Xiang Zhang</b> <i>Detection of meteors and space debris with the MWA</i> (12 min presentation + 3 min Q&A)
4:10pm – 5:30pm	CLOSED BREAKOUT: <b>ACAMAR EXECUTIVE</b> (Chairs: Schmidt, Wang) Location: Wellington Room
<b>6:00pm – 10:00pm</b>	<b>WORKSHOP DINNER</b> <b>MONA</b> <i>Ferry to Depart Wrest Point Wharf at 6:00pm</i>

**WEDNESDAY 20 SEPTEMBER 2017**

Time	Item
6:30am	<i>Optional Activity</i> <i>Morning Walk – Meet Kate Gunn in Reception at 6:25am</i>
8:00am – 8:50am	<b>Registration Desk Open</b>
8:55am – 9:00am	<b>Announcements</b>
<b>Session 9: DATA INTENSIVE ASTRONOMY AND SIMULATIONS</b>	
<b>Session Chair:</b>	
<b>Location: Wellington Room</b>	
9:00am – 9:20am	<b>Julie Banfield (invited talk)</b> <i>Citizen Science in Radio Astronomy</i> (15 min presentation + 5 min Q&A)
9:20am – 9:35am	<b>Robert Shen</b> <i>Astronomy Data and Computing Services (ADACS)</i> (12 min presentation + 3 min Q&A)
9:35am – 09:50am	<b>Andreas Wicenec</b> <i>Australia-China Regional Science Centre Prototyping Activities</i> (12 min presentation + 3 min Q&A)
09:50am – 10:05am	<b>Minh Huynh</b> <i>The CSIRO ASKAP Science Data Archive</i> (12 min presentation + 3 min Q&A)
10:05am – 10:20am	<b>Yuxiang Qin</b> <i>DRAGONS: AGN quenching of high redshift star formation</i> (12 min presentation + 3 min Q&A)
10:20am – 10:50am	<b>Morning Tea</b> <b>Board Walk Gallery</b>



**Session 10: Panel Discussion and Closing Remarks****Session Chair:****Location: Wellington Room**

10:50am – 11:10am	Reports from formal and informal Break-Out Sessions
11:10am – 12:00pm	<b>PANEL DISCUSSION</b>
12:00pm – 12:15pm	<b>CLOSING REMARKS</b>
12:15pm – 1:30pm	<b>LUNCH</b> Board Walk Gallery
1:00pm – 2:30pm	<b>Optional Activity</b> Visit to the Australian Antarctic Division <i>A shuttle bus will transport those delegates attending to the AAD and at the conclusion of the tour to Hobart Airport</i>