



PROGRAM
3RD AUSTRALIA CHINA WORKSHOP ON ASTROPHYSICS
ACAMAR 3
18th – 20th September 2017

MONDAY 18 SEPTEMBER 2016

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

10:15am – 10:30am	Marc Duldig <i>The importance of Antarctic Cosmic Ray observatories</i> (12 min presentation + 3 mins Q&A)
10:25am – 11:00am	Morning Tea Board Walk Gallery
Session 2: ANTARCTIC ASTRONOMY Session Chair: Ji Yang Location: Wellington Room	
11:00am - 11:20am	Xiaoyan Li <i>AST3-2 performance at Dome A</i> (15 min presentation + 5 mins Q&A)
11:20am – 11:35am	Matthew Freeman <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	Zhaohui Shang <i>Unattended Automatic AST3 Sky Survey at Dome A</i> (12 min presentation + 3 mins Q&A)
11:50pm – 12:10pm	Sheng-Cai Shi (invited talk) <i>THz/FIR Atmospheric Transmission Measured at Dome A</i> (15 min presentation + 5 mins Q&A)
12:10pm – 12:25pm	Nick Tothill <i>A survey of molecular gas in the Southern Galactic Plane</i> (12 min presentation + 3 mins Q&A)
12:25pm – 1:30pm	Lunch Board Walk Gallery
Session 3: THE INTERSTELLAR MEDIUM Session Chair: Nick Tothill Location: Wellington Room	
1:30pm – 1:45pm	Jo Dawson <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	Di Li <i>Tracing the Formation of Molecules in Space</i> (12 min presentation + 3 min Q&A)
2:00pm – 2:15pm	Naomi McClure-Griffiths <i>The FAST track to Diffuse Gas in the Milky Way Halo</i> (12 min presentation + 3 mins Q&A)
2:15pm – 2:35pm	Boyang Liu and Kate Jameson <i>Gas Temperature Demography in the Magellanic Clouds</i> (15 min co-presentation + 5 mins Q&A)
2:35pm – 2:50pm	Bi-Qing For <i>A radio continuum study of the Magellanic Clouds</i> (12 min presentation + 3 min Q&A)
2:50pm – 3:20pm	Afternoon Tea Board Walk Gallery
Session 4: OPTICAL INSTRUMENTATION AND SURVEY SCIENCE Session Chair: Jeremy Mould Location: Wellington Room	
3:20pm – 3:40pm	Anais Möller (invited talk) <i>SkyMapper Transient Survey</i> (15 min presentation + 5 mins Q&A)
3:40pm – 4:00pm	Xiangyan Yuan (invited talk) <i>Optical system of Chinese Large Optical/IR Telescope</i> (15 min presentation + 5 mins Q&A)
4:00pm – 4:20pm	Elisabete da Cunha (invited talk) <i>The Taipan Galaxy Survey</i> (15 min presentation + 5 mins Q&A)
4:20pm – 4:35pm	Jon Lawrence <i>The AAO Instrumentation Program</i> (12 min presentation + 3 mins Q&A)
4:35pm – 4:50pm	Shiyin Shen <i>LAMOST galaxy survey</i> (15 min presentation + 5 mins Q&A)

4:50pm – 5:50pm	BREAKOUT: ANTARCTIC ASTRONOMY (Chairs: Yang, Ashley) Location:	BREAKOUT: OPTICAL/IR INSTRUMENTATION (Chairs: Lawrence, Cui) Location:	BREAKOUT: FAST EARLY SCIENCE (Chairs: Li, McClure-Griffiths) Location:
6:00pm – 8:00pm	Welcome Drinks <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	Registration Desk Open
8:55am	Announcements – Kate Gunn
Session 5: RADIO ASTRONOMY AND SKA Session Chair: Stas Shabala Location: Wellington Room	
9:00am – 9:20am	Lisa Harvey-Smith (invited talk) <i>ASKAP Early Science</i> (15 min presentation + 5 min Q&A)
9:20am – 9:40am	Bo Peng (invited talk) <i>ACAMAR Era Ticking: Chinese Radio Astronomy</i> (15 min presentation + 5 min Q&A)
9:40am – 9:55am	Randall Wayth <i>MWA Phase II status and plans</i> (12 min presentation + 3 min Q&A)
9:55am – 10:15am	Marko Krco (invited talk) <i>FAST Commensal Survey Plan and Technical Challenges</i> (15 min presentation + 5 min Q&A)
10:15am – 10:30am	Jimi Green <i>A scientific hat-trick: Parkes, FAST & the SKA</i> (12 min presentation + 3 min Q&A)
10:30am – 11:00am	Morning Tea Board Walk Gallery

Session 6: RADIO ASTRONOMY AND SKA

Session Chair: Di Li

Location: Wellington Room

11:00am – 11:15am	Jingbo Wang <i>QTT</i> (12 min presentation + 5 mins Q&A)
11:15am – 11:35am	Cath Trott (invited talk) <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	Attila Popping <i>Where is the gas? Detecting Neutral hydrogen in the IGM</i> (12 min presentation + 3 min Q&A)
11:50am – 12:05pm	Qingxiang Chen <i>HI Cosmic Density via Stacking</i> (12 min presentation + 3 min Q&A)
12:05pm – 12:25pm	Ray Norris (invited talk) <i>Big Data: EMU and Machine Learning</i> (15 min presentation + 5 min Q&A)
12:25pm – 12:40pm	Stas Shabala <i>Active Galactic Nucleus feedback in the era of SKA pathfinders</i> (12 min presentation + 3 min Q&A)
12:40pm	Group Photo <i>Convention Centre Steps</i>
12:45pm – 1:30pm	Lunch Board Walk Gallery
Session 7: TIME DOMAIN ASTRONOMY	
Session Chair: Naomi McClure-Griffiths	
Location: Wellington Room	
1:30pm – 1:50pm	Xuefeng Wu (invited talk) <i>Magnetar-powered high energy transients in the distant universe</i> (15 min presentation + 5 min Q&A)

1:50pm – 2:05pm	Ryan Shannon <i>The population of fast radio bursts detected with ASKAP</i> (12 min presentation + 3 min Q&A)
2:05pm – 2:20pm	Shi Dai <i>Prospects for Discovering Pulsars in Future Continuum Surveys Using Variance Imaging</i> (12 min presentation + 3 min Q&A)
2:20pm – 2:35pm	Ramesh Bhat <i>Wide-band low-frequency observations of millisecond pulsars</i> (12 min presentation + 3 min Q&A)
2:35pm – 2:50pm	Jeremy Mould <i>The OzDES Survey</i> (12 min presentation + 3 min Q&A)
2:50pm – 3:20pm	Afternoon Tea Board Walk Gallery
Session 8: TIME DOMAIN ASTRONOMY Session Chair: Xuefeng Wu Location: Wellington Room	
3:20pm – 3:40pm	John Morgan (invited talk) <i>Interplanetary scintillation as an astrophysical tool</i> (15 min presentation + 5 min Q&A)
3:40pm – 3:55pm	Songbo Zhang <i>Search for Giant Pulses in the LMC</i> (12 min presentation + 3 min Q&A)
3:55pm – 4:10pm	Xiang Zhang <i>Detection of meteors and space debris with the MWA</i> (12 min presentation + 3 min Q&A)
4:10pm – 5:30pm	CLOSED BREAKOUT: ACAMAR EXECUTIVE (Chairs: Schmidt, Wang) Location: Wellington Room
6:00pm – 10:00pm	WORKSHOP DINNER MONA <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	Registration Desk Open
8:55am – 9:00am	Announcements
Session 9: DATA INTENSIVE ASTRONOMY AND SIMULATIONS	
Session Chair: Martin Meyer	
Location: Wellington Room	
9:00am – 9:20am	Julie Banfield (invited talk) <i>Citizen Science in Radio Astronomy</i> (15 min presentation + 5 min Q&A)
9:20am – 9:35am	Robert Shen <i>Astronomy Data and Computing Services (ADACS)</i> (12 min presentation + 3 min Q&A)
9:35am – 09:50am	Andreas Wicenec <i>Australia-China Regional Science Centre Prototyping Activities</i> (12 min presentation + 3 min Q&A)
09:50am – 10:05am	Minh Huynh <i>The CSIRO ASKAP Science Data Archive</i> (12 min presentation + 3 min Q&A)
10:05am – 10:20am	Yuxiang Qin <i>DRAGONS: AGN quenching of high redshift star formation</i> (12 min presentation + 3 min Q&A)
10:20am – 10:50am	Morning Tea Board Walk Gallery

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	PANEL DISCUSSION
12:00pm – 12:15pm	CLOSING REMARKS
12:15pm – 1:30pm	LUNCH Board Walk Gallery
1:00pm – 2:30pm	Optional Activity 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>