



PROGRAM

2ND INAUGURAL AUSTRALIA CHINA WORKSHOP ON ASTROPHYSICS

5th – 7th December 2016

Jinling Guanyuan International Hotel Suzhou, Suzhou, China

MONDAY 5 DECEMBER 2016

Time	Item
8:30am – 9:00am	Registration Desk Opens <i>Jinling Guanyuan International Hotel Suzhou</i>
9:00am – 9:10am	WELCOME Lifan Wang and Elaine Sadler LOC Announcements
Session 1: SKA and Radio Astronomy Session Chair: Di Li Location:	
9:10am – 9:40am	Bo Peng (invited review) <i>FAST Formation and Evolution</i> (25 min presentation + 5 mins Q&A)
9:40am – 10:00am	Jing Wang (invited talk) <i>ASKAP Wallaby – Early Results</i> (15 min presentation + 5 mins Q&A)
10:00am – 10:20am	George Hobbs (invited talk) <i>Parkes and FAST Synergies for Pulsar Science</i> (15 min presentation + 5 mins Q&A)
10:20am – 10:50am	Morning Tea



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Session 2: SKA and Radio Astronomy (continued)

Session Chair: Tasso Tzioumis

Location:

10:50am – 11:10am	Chengjin Jin (invited talk) <i>FAST Receiver Plan</i> (15 min presentation + 5 mins Q&A)
11:10am – 11:30am	Aaron Chippendale (invited talk) <i>Advanced Phased Array Feed for Radio Astronomy</i> (15 min presentation + 5 mins Q&A)
11:30am – 11:50am	Elaine Sadler (invited talk) <i>VLBI and FLASH</i> (15 min presentation + 5 mins Q&A)
11:50am – 12:10pm	Junzhi Wang (invited talk) <i>Radio Spectroscopy with Tianma (65m Radio Telescope)</i> (15 min presentation + 5 mins Q&A)
12:10pm – 1:30pm	Lunch

Session 3: SKA and Radio Astronomy (continued)

Session Chair: Zhiqiang Shen

Location:

1:30pm – 1:50pm	Lister Staveley-Smith (invited talk) <i>A Shallow FAST HI Survey</i> (15 min presentation + 5 mins Q&A)
1:50pm – 2:10pm	Lei Qian (invited talk) <i>FAST Multi-Beam Drift-Scan Surveys</i> (15 min presentation + 5 mins Q&A)
2:10pm – 2:30pm	Laura Wolz (invited talk) <i>Intensity Mapping</i> (15 min presentation + 5 min Q&A)
2:30pm – 2:50pm	Martin Meyer (invited talk) <i>HI Science and CHILES</i> (15 min presentation + 5 mins Q&A)
2:50pm – 3:20pm	Afternoon Tea



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Session 4: SKA and Radio Astronomy (continued) Session Chair: Roberto Soria Location:		
3:20pm – 3:40pm	Haiyan Zhang (invited talk) <i>RFI Mitigation for FAST</i> (15 min presentation + 5 mins Q&A)	
3:40pm – 4:00pm	Ramesh Bhat (invited talk) <i>Low-Frequency Pulsar Astronomy in the SKA Era</i> (15 min presentation + 5 mins Q&A)	
4:00pm – 4:15pm	Mengyao Xue A Low Frequency Census of Southern Pulsars with the MWA (12 min presentation + 3 mins Q&A)	
4:15pm – 4:35pm	Ye Xu (invited talk) Progress of the BeSSeL (15 min presentation + 5 mins Q&A)	
4:35pm – 4:55pm	Kejia Li (invited talk) FRB Search with Chinese Radio Telescope (15 min presentation + 5 mins Q&A)	
4:55pm – 6:00pm	BREAKOUT: Antarctic astronomy (Chairs: Ashley, Yang) Location:	BREAKOUT: FAST shallow survey (Chairs : Li, Hobbs) Location:
6:00pm – 8:00pm	Welcome Drinks, The Sydney Suzhou Centre South Tower Wisdom Centre No. 10 Moon Bay Road Suzhou Industrial Park	



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TUESDAY 6 DECEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i>
8:00am – 8:50am	Registration Desk Open
8:55am	Announcements – Kate Gunn
Session 5: Antarctic and Big Optical Astronomy Session Chair: Ji Yang Location:	
9:00am – 9:20am	Xiangqun Cui (invited talk) <i>The China 12m Telescope Project</i> (15 min presentation + 5 min Q&A)
9:20am – 9:35am	Simon Driver <i>The Science Case for a Wide Field Spectroscopic Survey Facility</i> (12 min presentation + 3 min Q&A)
9:35am – 9:50am	Rob Wittenmyer <i>Minerva: Driving a New Golden Age of Exoplanetary Science with Small Telescopes</i> (12 min presentation + 3 min Q&A)
9:50am – 10:05am	Michael Ashley <i>Atmospheric Boundary Layer Measurements at the Ali Site in Tibet</i> (12 min presentation + 3 min Q&A)
10:05am – 10:25am	Linhua Jiang (invited talk) <i>Introduction to the Ali Six-Point-Five-Meter Telescope (AST) Project</i> (15 min presentation + 5 min Q&A)
10:25am – 10:55am	Morning Tea
Session 6: Antarctic and Big Optical Astronomy (continued) Session Chair: Jon Lawrence Location:	
10:55am – 11:15am	Christian Reichardt (invited talk) <i>Cosmology from Antarctica</i> (15 min presentation + 5 min Q&A)



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11:15am – 11:30am	Michael Ashley <i>Future Plans for Supporting Large Telescopes at Dome A</i> (12 min presentation + 3 min Q&A)
11:30am – 11:50am	Hui Zhang (invited talk) <i>Exoplanetary Science at Dome A, Antarctica</i> (15 min presentation + 5 min Q&A)
11:50am – 12:10pm	Xiangyan Yuan (invited talk) <i>Development and Maintenance of Antarctic Survey Telescopes</i> (15 min presentation + 5 min Q&A)
12:10pm – 12:30pm	Christian Wolf (invited talk) <i>SkyMapper</i> (15 min presentation + 5 min Q&A)
12:30pm – 1:30pm	Lunch
Session 7: Antarctic and Big Optical Astronomy (continued) Session Chair: Jilin Zhou Location:	
1:30pm – 1:50pm	Anna Moore (invited talk) <i>Unveiling the Dynamic Infrared Sky with Gattini-IR</i> (15 min presentation + 5 min Q&A)
1:50pm – 2:05pm	Jeremy Mould <i>The TAIPAN Survey</i> (12 min presentation + 3 min Q&A)
2:05pm – 2:25pm	Michele Trenti (invited talk) <i>The First Stars and Galaxies from Space and Large Ground Facilities</i> (15 min presentation + 5 min Q&A)
2:25pm – 2:45pm	Luis Ho (invited talk) <i>The ISM of Active Galaxies</i> (15 min presentation + 5 min Q&A)
2:45pm – 3:00pm	Gerhardt Meurer <i>Disk Stability and Galaxy Scaling Relation</i> (12 min presentation + 3 min Q&A)
3:00pm – 3:30pm	Afternoon Tea



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Session 8: Antarctic and Big Optical Astronomy (continued)

Session Chair: Jeremy Mould

Location:

3:30pm – 3:50pm	Xiaofeng Wang (invited talk) <i>Observations of SN</i> (15 min presentation + 5 min Q&A)	
3:50pm – 4:05pm	Stuart Wyithe <i>Reionization and Galaxy Formation</i> (12 min presentation + 3 min Q&A)	
4:05pm – 4:20pm	Fuyan Bian <i>Local Analogs of High-Redshift Galaxies: Interstellar Medium Conditions and Metallicities in High-Redshift Galaxies</i> (12 min presentation + 3 min Q&A)	
4:20pm – 4:40pm	Jianning Fu (invited talk) <i>Exploring Variable Stars with the Continuous Observations from Dome A of Antarctica Telescopes</i> (15 min presentation + 5 min Q&A)	
4:40pm – 4:55pm	Syed Uddin <i>Spectroscopic Follow-ups of AST3-2 Candidates with WiFeS</i> (12 min presentation + 3 min Q&A)	
4:55pm – 6:00pm	CLOSED BREAKOUT: ACAMAR (Chairs: Wang, Staveley-Smith) Location:	BREAKOUT: 12M Telescope Proposal (Chairs : Cui, Driver) Location:
6:00pm – 9:00pm	WORKSHOP DINNER	



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ACAMAR Program

WEDNESDAY 7 DECEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i>
8:00am – 8:50am	Registration Desk Open
8:55am – 9:00am	Announcements
Session 9: Big Data and ACAMAR Collaboration Session Chair: Andreas Wicence Location:	
9:00am – 9:20am	Mingmin Chi (invited talk) <i>Machine Learning Techniques Driven Pulsar Searches Pipeline</i> (15 min presentation + 5 min Q&A)
9:20am – 9:35am	Peter Quinn <i>Progress Towards an Asia-Pacific SKA Regional Centre</i> (12 min presentation + 3 min Q&A)
9:35am – 09:50am	Tao An <i>Large-scale deployment of SKA data flow system and considerations of SKA Asia regional Centre</i> (12 min presentation + 3 min Q&A)
09:50am – 10:20am	Xuefeng Wu (invited talk) <i>Constraining the Mass of Photon with FRBs and Pulsars</i> (15 min presentation + 5 min Q&A)
10:20am – 10:50am	Morning Tea
Session 10: Panel Discussion and Closing Remarks Session Chair: Bo Peng Location:	
10:50am – 11:00am	Reports from formal and informal Break-Out Sessions (including ACAMAR, 12-m proposal)
11:00am – 12:00pm	PANEL DISCUSSION <i>Fostering Australia-China Collaborations</i> <i>Bo Qun, Michael Ashley, George Hobbs, Tao An, Peter Quinn, Lifan Wang</i>
12:00pm – 12:15pm	CLOSING REMARKS Ji Yang and Lister Staveley-Smith
12:15pm – 1:30pm	LUNCH



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