



**CAASTRO**

**6th ANNUAL RETREAT AGENDA**

**Day 1 – Abbey Beach Resort, Busselton WA**

**Monday 28 November 2016**

Time	ITEM	Person	Time
9:15am	Arrival in Perth	All	
9:45am	Bus departs <b>Perth Airport/Perth City</b>	Airport/City	
1:00pm	Buses arrives <b>Abbey Beach Resort</b>	All	1.5 hours
1:00pm	<b>Conference Registration</b>	All	25 mins
1:00PM	LUNCH and Hotel Room Check-in (collect keys from conference registration desk)		60 mins
Time	ITEM	Person	Time
	Session Chair – Lister Staveley-Smith		
<b>2:00pm</b>	<b>Welcome</b>	<b>EMS</b>	<b>5 mins</b>
2:05pm	Overview and progress of CAASTRO to date	EMS	25 mins
2:30pm	CAASTRO Research - The Evolving Universe Overview	SW	10 mins
2:40pm	CAASTRO Research - The Dynamic Universe Overview	MB - video	10 mins
2:50pm	CAASTRO Research - The Dark Universe Overview	TD	10 mins
3:00pm	CAASTRO Outreach Overview	WE	15 mins
3:15pm	Gender Action Committee Overview and activities	RW	15 mins
3:30pm	Report on SKA Science	CJ	15 mins
3:45pm	CI & PI Sparkler Session (1 minute presentation – students to vote)	CI/PI	15 mins
4:00pm	Afternoon Tea		20 mins

	Session Chair – Julie Banfield		
4:20pm	<b>James Allison, CSIRO</b> <i>Illuminating the Past 8 Billion Years of Interstellar Medium with ASKAP</i> (12 min presentation + 3 min Q&A)	JA	15 mins
4:35pm	<b>Vanessa Moss, USYD</b> <i>Connecting Radio and X-ray Absorption in Galaxies with ASKAP</i> (12 min presentation + 3 min Q&A)	VM	15 mins
4:50pm	<b>Elizabeth Mahony, USYD</b> <i>Searching for HI absorption in the brightest southern radio galaxies</i> (8 min presentation + 2 min Q&A)	EM	10 mins
5:00pm	<b>Anna Kapinska, UWA</b> <i>The Brilliance of GLEAM NGC253 Starburst Galaxy at Low Radio Frequencies</i> (8 min presentation + 2 min Q&A)	AK	10 mins
5:10pm	<b>Jack Line, UMELB</b> <i>MAJICK – Developing Interferometric Imaging Techniques for EoR Experiments</i> (8 min presentation + 2 min Q&A)	JL	10 mins
5:20pm	<b>Paul Geil, UMELB</b> <i>Bubbles at Dawn</i> (8 min presentation + 2 min Q&A)	PG	10 mins
5:30pm	<b>Dr Emma Chapman, Imperial College (Invited Speaker)</b> <i>Foreground Removal: The LOFAR Perspective</i> (25 min presentation + 5 min Q&A)	EC	30 mins
6:00pm	Capturing the Cosmos – Planetarium Show in 2D	WE	20 mins
6:20pm	Close for the day	All	
6:30pm	Welcome Drinks & Dinner – Patio	All	

## Day 2 – Abbey Beach Resort, Busselton WA

Tuesday 29 November 2016

Time	ITEM	Person	Time
6:30am	Morning Walk (meet in reception at 6:25am)	Anyone	60 mins
7:00am	Breakfast at Reflections Poolside Cafe (included)	All	
7:45am	<b>CAASTRO Post Docs Jobs Session</b> Panel Members: Kate Brooks, Carole Jackson,	Everyone welcome (optional)	60 mins
	Session Chair – Chris Jordan		
8:45am	<b>Paul Hancock, Curtin</b> <i>Varibility vs Galactic Latitude with MWA</i> (8 min presentation + 2 min Q&A)	PH	10 mins
8:55am	<b>Rodrigo Canas, UWA</b> <i>Robust Identification of Stellar Structures in Simulation: The Effect on Scaling Relations</i> (8 min presentation + 2 min Q&A)	RC	10 mins
9:05am	<b>Holger Baumgardt, UQ</b> <i>On the Existence of Massive Black Holes in Globular Clusters and Ultra-Compact Dwarf Galaxies</i> (12 min presentation + 3 min Q&A)	SB	15 mins
9:20am	<b>Shivani Bhandari, SWIN</b> <i>Christmas FRBs and their Multi-Wavelength Follow-ups</i> (12 min presentation + 3 min Q&A)	SB	15 mins
9:35am	<b>Fiona Panther, ANU</b> <i>First Results of LEnsS: Local Environments of Sub-luminous Supernovae</i> (12 min presentation + 3 min Q&A)	FP	15 mins
9:50am	<b>Fabian Jankowski, SWIN</b> <i>The Largest Survey of Pulsar Spectral Properties to Date</i> (8 min presentation + 2 min Q&A)	FJ	10 mins
10:00am	<b>Xiang Zhang, Curtin</b> <i>Radio Emissions from Meteors</i> (8 min presentation + 2 min Q&A)	XZ	10 mins
10:10am	<b>Dougal Dobie, USYD</b> <i>Searching for Supermassive Black Hole Binaries and Extreme Scattering events with the ATESE Survey</i> (8 min presentation + 2 min Q&A)	DD	10 mins

10:20am	Morning Tea An official photographer will be taking Group Photos during morning tea		30 mins
	Session Chair – Caitlin Adams		
10:50am	<b>Poster Presentations</b> (1 minute presentation)		All Students 25 mins
11:15pm	Post Docs - Nature Paper Masterclass (parallel session – Main room)		SW 60 mins
11:15pm	Students - Paper Writing class (parallel session – Abbey 4)		CW 60 mins
12:15pm	LUNCH – Students to meet in Restaurant with Director Atrium Restaurant		60 mins
1:15pm	<b>Parallel Sessions:</b> <b>Evolving</b> Theme Science Meeting – Main Room <b>Dynamic</b> Theme Science Meeting – Abbey 4 <b>Dark</b> Theme Science Meeting – Upstairs Boardroom Administrators Meeting - Reception <i>If your research covers a number of Themes then feel free to move between the sessions at the appropriate agenda changes.</i>		SW MB TD KG 120 minutes
	<b>Evolving Theme Agenda Location</b>	<b>Dynamic Theme Agenda Location</b>	<b>Dark Theme Agenda Location</b>
1:15pm	Introduction – Stuart Wyithe	Introduction – Ramesh Bhat & Christene Lynch	Introduction – Tamara Davis
1:20pm	Topic A <b>How have we progressed with our big science goals for the remainder of CAASTRO?</b>	Topic A <b>How have we progressed with our big science goals for the remainder of CAASTRO?</b>	Topic A <b>How have we progressed with our big science goals for the remainder of CAASTRO?</b>
1:45pm	Topic B <b>What legacy items can we leave at the end of CAASTRO?</b>	Topic B <b>What legacy items can we leave at the end of CAASTRO?</b>	Topic B <b>What legacy items can we leave at the end of CAASTRO?</b>
2:10pm	Project Collaboration Time	Project Collaboration Time	Project Collaboration Time
2:35pm	Afternoon Tea		30 mins
2:50pm	Special CAASTRO Activity		ALL 180 mins
6:00pm	Dinner Equinox Restaurant, Busselton Jetty		ALL

## Day 3 – Abbey Beach Resort, Busselton WA

Wednesday 30 November 2016

Time	ITEM	Person	Time
6:30am	Morning Bike Ride (meet in reception at 6:25am)	Anyone	60 mins
7:00am	Breakfast at Reflections Poolside Cafe (included)	All	
	CHECK OUT OF THE HOTEL and store your luggage		
	Session Chair – Sam McSweeney		
8:45am	CAASTRO Mentoring Session	All	60 mins
9:45am	<b>Diversity Speaker – Professor Robyn Owens, DVC UWA</b>	RO	30 mins
10:15am	<b>Chris Jordan, Curtin</b> <i>Characterisation of the Ionosphere above the MRO with EoR Datasets</i> (4 min presentation + 1 min Q&A)	CJ	5 mins
10:20am	<b>Steven Murray, Curtin</b> <i>An Improved Point-Source Foreground Model for the EoR</i> (4 min presentation + 1 min Q&A)	MG	5 mins
10:25am	<b>Marcin Glowacki, USYD</b> <i>HI Absorption in Compact Young Radio Galaxies</i> (4 min presentation + 1 min Q&A)	SM	5 Mins
10:30am	<b>Kathryn Plant, SWIN</b> <i>Trialling New Digital Receivers at UTMOST in the Search for FRBs</i> (4 min presentation + 1 min Q&A)	KP	5 mins
10:35am	<b>Jean-Pierre Macquart, Curtin</b> <i>Pulsar Variability Imaging</i> (4 min presentation + 1 min Q&A)	JPM	5 mins
10:40am	<b>Laura Wolz, UMELB</b> <i>Going Beyond Cosmology: Hydrogen Measurements using Intensity Mapping Cross-Correlations</i> (4 min presentation + 1 min Q&A)	LW	5 mins
10:45am	<b>Willem van Straten, SWIN</b> <i>Studying Pulsars using the Higher Order Moments of Electromagnetic Radiation</i> (12 min presentation + 3 min Q&A)	WVM	15 mins
11:00am	Morning Tea - Showing of Posters/Voting		35 mins

	Session Chair – Charlotte Welker		
11:35am	<b>Samuel Hinton, UQ</b> <i>Hierarchical Bayesian Methods for Supernova Cosmology</i> (8 min presentation + 2 min Q&A)	JA	10 mins
11:45am	<b>Jacobo Asorey, UQ</b> <i>Measuring Large-Scale Structure using Angular Cross-Correlations</i> (12 min presentation + 3 min Q&A)	BZ	15 mins
12:00pm	<b>Claudio Llinares, Durham University (Invited Speaker)</b> <i>Finding New Ways of Testing Gravity</i> (25 min presentation + 5 min Q&A)	CL	30 mins
12:30pm	LUNCH – Atrium Restaurant		60 mins
1:30pm	<b>Project Collaboration Time</b>	All	60 mins
	Session Chair – Steven Murray		
2:30pm	<b>Bonnie Zhang, ANU</b> <i>A Blinded Determination of <math>H_0</math> from Low-redshift Type Ia Supernovae, Calibrated by Cepheid Variables</i> (12 min presentation + 3 min Q&A)	BZ	15 mins
2:45pm	<b>Edward Taylor, SWIN</b> <i>The First Direct Halo Mass Measurements from Targeted Galaxy-Galaxy Weak Lensing</i> (8 min presentation + 2 min Q&A)	ET	10 mins
2:55pm	<b>Cullan Howlett, UWA</b> <i>Testing Gravity with Peculiar Velocity Surveys</i> (8 min presentation + 2 min Q&A)	CH	10 mins
3:05pm	<b>Natalia Eiré Sommer, ANU</b> <i>Reverberation Mapping with OzDES</i> (8 min presentation + 2 min Q&A)	NES	10 mins
3:15pm	<b>Anais Moller, ANU</b> <i>Update on the SkyMapper Transient Survey</i> (12 min presentation + 3 min Q&A)	AM	15 mins
3:30pm	Afternoon Tea		15 mins
	Session Chair – Manisha Caleb		
3:45pm	<b>Rajan Chhetri, Curtin</b> <i>Compact Populations in the Low Radio Frequency Sky</i> (4 min presentation + 1 min Q&A)	RC	5 mins

3:50pm	<b>Pascal Elahi, UWA</b> <i>nIFTy SURFS or Building Synthetic Galaxies for the Real Universe</i> (4 min presentation + 1 min Q&A)	PE	5 mins
3:55pm	<b>Luz Angela Garcia Penalzoza, SWIN</b> <i>Diagnosing the EoR with Metal Absorption Lines</i> (4 min presentation + 1 min Q&A)	AGP	5 mins
4:00pm	<b>CAASTRO Industry e-book</b>	KG	5 mins
4:5pm	<b>Summary of the Retreat – Cath Trott and Dan Taranu</b>	CT/DT	10 mins
4:15pm	Summary and next steps	EMS	5 mins
4:20pm	Close		
<b>4:30pm</b>	<b>Bus leaves Abbey Beach Resort for Perth Airport</b>		
8:00pm	Bus arrives at Perth Airport	All	3 hours
<b>8:00pm</b>	<b>Flights depart Perth Airport</b>		