



7TH ANNUAL CAASTRO RETREAT AGENDA

Day 1 – Novotel Barossa Valley Resort

Wednesday 22 November 2017

Time	ITEM	Person	Time
From 6:00am	Flights depart major cities for Adelaide		
8:00am	Morning Walk – CAASTRO-CoEPP/ECR Members/eLAMP/ Perth members	KG	60 min
8:45am	Bus departs Adelaide Airport for Sydney and Canberra members	Airport	90 min
9:45am	Bus departs Adelaide Airport for Brisbane and Melbourne members	Airport	90 min
10:15am	Morning Tea	All	45 min
10:15am	Bus Arrives Luggage stored, welcome tea and coffee	Bus	30 min
11:15am	Bus Arrives Luggage stored	Bus	30 min
10:15am- 11:20am	Conference Registration	All	45 min
Time	ITEM	Person	Time
	<i>Day 1 Session 1</i> <i>Session Chair – Warwick Couch</i>		
11:25am	<i>Announcements</i>	KG	5 min
11:30am	Welcome and Acknowledgement of Country	EMS	5 min
11:35am	Overview and legacy of CAASTRO	EMS	25 min
12:00pm	CAASTRO Research - The Evolving Universe	LSS	10 min

12:10pm	CAASTRO Research - The Dynamic Universe	TM	10 min
12:20pm	CAASTRO Research - The Dark Universe	TD	10 min
12:30pm	CAASTRO Outreach	WE	15 min
12:45pm	Gender Action Committee	RW	15 min
1:00pm	CI & PI Sparkler Session (1 minute presentation – students to vote)	CI/PI	10 min
1:10pm	LUNCH (Hotel Room Check-in will be during afternoon tea, bags will be stored until then)		50 min
	Day 1 Session 2 Session Chair – Fiona Panther		
2:00pm	Matthew Bailes, SWIN <i>The ARC Centre of Excellence for Gravitational Wave Discovery (OzGrav)</i> (15 min presentation + 5 min Q&A)	MB	20 min
2:20pm	Dougal Dobie, USYD <i>Radio follow-up of GW170817</i> (8 min presentation + 2 min Q&A)	DD	10 min
2:30pm	Christian Wolf, ANU <i>From the ashes to...15 years of SkyMapper Project</i> (8 min presentation + 2 min Q&A)	CW	10min
2:40pm	Brad Tucker, ANU <i>The SkyMapper Search for Planet 9</i> (8 min presentation + 2 min Q&A)	BT	10 min
2:50pm	Seo-Won Chang, ANU A First SkyMapper Variability Census and the Ongoing Search for Counterparts to High-energy Events (4 min + 1 min Q&A)	SWC	5 min
2:55pm	Afternoon Tea		40 min
	Day 1 Session 3 Session Chair – Ronniy Joseph		
3:35pm	Bradley Meyers, CURTIN Spectral flattening of Crab giants pulses at low frequencies (4 min presentation + 1 min Q&A)	BM	5 min

3:40pm	Mengyao Xue, CURTIN Low-frequency pulsar polarimetry across the MWA Band (8 min presentation + 2 min Q&A)	MX	10 min
3:50pm	Steven Tremblay, CURTIN Investigating magnetospheres of pulsars with the MWA (4 min presentation + 1 min Q&A)	ST	5 min
3:55pm	Sam McSweeney, CURTIN Mapping emission regions in magnetospheres: simultaneous observations of subpulse drifting with the MWA and the GMRT (4 min presentation + 1 min Q&A)	SM	5 min
4:00pm	Andrew Zic, USYD Studies of bursty and quiescent emission of two ultra-cool dwarfs with the GMMRT (4 min presentation + 1 min Q&A)	AZ	5 min
4:05pm	Mathew Varidel, USYD Deriving Gas Kinematics for Irregular Disk Galaxies using Trans-Dimensional Bayesian Gaussian Mixtures (4 min presentation + 1 min Q&A)	MV	5 min
4:10pm	Martin Bell, UTS Seven Years of low frequency time-domain surveys: achievements and future prospects (8 min presentation + 2 min Q&A)	MB	10 min
4:20pm	Christene Lynch, USYD Chasing low frequency burst from magnetically active stars (8 min presentation + 2 min Q&A)	CL	10 min
4:30pm	Fiona Helen Panther, ANU Revealing the local stellar populations of SN1991bg-like supernova host galaxies (4 min presentation + 1 min Q&A)	FHP	5 min
4:35pm	PROJECT TIME	ALL	55 min
5:30pm	Close for the day	All	60 min
6:30pm	Welcome Drinks & Dinner – Golf Club	All	

Day 2 – Novotel Barossa Valley Resort
Thursday 23 November 2017

Time	ITEM	Person	Time
6:30am	Morning Activity - Basketball (meet in reception at 6:25am)	Anyone	60 min
7:00am	Breakfast	All	
	Day 2 Session 4: Session Chair – Paul Hancock		
8:55am	Announcements	KG	5 min
9:00am	Richard Scalzo, USYD <i>Datacube Construction for SAMI via Transformed Gaussian Process Priors</i> (15 min presentation + 5 min Q&A)	RS	20 min
9:20am	Nicholas Scott, USYD <i>Extragalactic Archaeology with SAMI</i> (8 min presentation + 2 min Q&A)	NS	10 min
9:30am	Dilyar Barat, ANU <i>A unified galaxy scaling relations with SAMI</i> (4 min presentation + 1 min Q&A)	DB	5 min
9:35am	Matthew Colless, ANU <i>Stellar populations and dynamics from resolved spectroscopy of galaxies</i> (8 min presentation + 2 min Q&A)	MC	10 min
9:45am	Katherine Harborne, UWA <i>A numerical investigation into the spin parameter</i> (4 min presentation + 1 min Q&A)	KH	5 min
9:50am	Dan Taranu, UWA <i>Dissecting Disk Galaxies with Multiwavelength Data</i> (8 min presentation + 2 min Q&A)	DT	10 min
10:00am	Sam Hinton, UQ Preserving your Project: Software Tooling and Resources (25 min presentation + 5 min Q&A)	SH	30 min
10:30am	Morning Tea An official photographer will be taking Group Photos during morning tea		30 min

	Day 2 Session 5: Session Chair – Rodrigo Canas			
11:00am	Poster Presentations (1 minute presentation)		ALL	25 min
11:25am	Science Innovation Session – Engagement and Impact		KG	55 min
12:20pm	LUNCH – Students to meet in Restaurant with Director			60 min
1:20pm	Parallel Sessions: Evolving Theme Science Meeting – Shiraz A Dynamic Theme Science Meeting – Shiraz B Dark Theme Science Meeting – Cabernet A Administrators Meeting – small meeting room <i>If your research covers a number of Themes then feel free to move between the sessions at the appropriate agenda changes.</i>		LSS TM TD KG	90 minutes
	Evolving Theme Agenda Shiraz A	Dynamic Theme Agenda Shiraz B	Dark Theme Agenda Cabernet A	
1:20pm	Introduction – Lister Staveley-Smith	Introduction – Tara Murphy	Introduction – Tamara Davis	
1:23pm	Topic A How have we progressed with our big science goals for the remainder of CAASTRO?	Topic A How have we progressed with our big science goals for the remainder of CAASTRO?	Topic A How have we progressed with our big science goals for the remainder of CAASTRO?	
1:29pm	Topic B What legacy items can we leave at the end of CAASTRO? What can we put in the Annual and Final Report?	Topic B What legacy items can we leave at the end of CAASTRO? What can we put in the Annual and Final Report?	Topic B What legacy items can we leave at the end of CAASTRO? What can we put in the Annual and Final Report?	
1:35pm	Project Collaboration Time	Project Collaboration Time	Project Collaboration Time	
2:50pm	Afternoon Tea			10 min
3:00pm	Special CAASTRO Activity		ALL	180 min
6:00pm	Dinner		ALL	

Day 3 – Novotel Barossa Valley Resort
Friday 24 November 2017

Time	ITEM	Person	Time
6:30am	Morning Walk (meet in reception at 6:25am)	Anyone	60 min
7:00am	Breakfast (included)	All	
	CHECK OUT OF THE HOTEL and store your luggage		
	Day 3 Session 6: Session Chair – Shivani Bhandari		
8:25am	Announcements	KG	5 min
8:30am	Mentoring Session	ALL	70 min
9:40am	Chris Lidman, AAO <i>OzDES: Current Status and first cosmological constraints</i> (8 min presentation + 2 min Q&A)	CL	10 min
9:50am	Bonnie Zhang, ANU Cosmology with Dark Energy Survey Supernova (8 min presentation + 2 min Q&A)	BZ	10 min
10:00am	Jacobo Asorey, SWIN/UQ Cosmology with Type Ia Supernova gravitational lensing (4 min presentation + 1 min Q&A)	JA	5 min
10:05am	Natalia Eire Sommer, ANU From time-lags to dark energy: reverberation mapping with DES/OzDES (4 min presentation + 1 min Q&A)	NES	5 min
10:10am	Cullan Howlett, UWA Cosmology with Peculiar Velocity Surveys (8 min presentation + 2 min Q&A)	CH	10 min
10:20am	Caitlin Adams, SWIN Improved constraints on the growth rate of structure from modelling the density-velocity cross-correlation in the 6dF Galaxy Survey (4 min presentation + 1 min Q&A)	CA	5 min
10:25am	Anais Möller, ANU <i>SkyMapper Transient Survey towards the first data release</i> (8 min presentation + 2 min Q&A)	AM	10min
10:35am	Morning Tea - Showing of Posters/Voting		30 min

	Day 3 Session 7 Session Chair – Tristan Reynolds		
11:00am	Claudia Lagos, UWA Angular momentum in galaxies: lesson from the EAGLE simulations (8 min presentation + 2 min Q&A)	CL	10 min
11:10am	O. Ivy Wong, UWA Radio Galaxy zoo (8 min presentation + 2 min Q&A)	OIW	10 min
11:20am	Steven Murray, CURTIN Between window and wedge: a new statistical point-source model of EoR (8 min presentation + 2 min Q&A)	SM	10 min
11:30am	Elizabeth Mahony, USYD Searching for HI absorption in the brightest southern radio galaxies (8 min presentation + 2 min Q&A)	EM	10 min
11:40am	Cathryn Trott, CURTIN Seven years of CAASTRO EoR – where are we now? (8 min presentation + 2 min Q&A)	CT	10 min
11:50am	Stephanie Bernard, UMEL Chasing the bright end of the $z > 8$ galaxy luminosity function with the BoRG (4 min presentation + 1 min Q&A)	SB	5 min
11:55am	Anthea King, UMEL Investigating AGN structure using a joint reverberation mapping and microlensing analysis of lensed quasar HE0435-1223 (4 min presentation + 1 min Q&A)	AK	5 min
12:00pm	Laura Wolz, UMEL Testing galaxy evolution through HI intensity mapping cross-correlations (4 min presentation + 1 min Q&A)	LW	5 min
12:05pm	Marcin Glowacki, USYD WISE data as a photometric redshift indicator for radio AGN (4 min presentation + 1 min Q&A)	MG	5 min
12:10pm	LUNCH –		60 min

	Day 3 Session 8 Session Chair – Rachel Webster		
1:10pm	Jean-Pierre Macquart, CURTIN Fast radio burst source counts (8 min presentation + 2 min Q&A)	JP	10 min
1:20pm	Dilpreet Kaur, CURTIN Pulse profile and scintillation studies of PSR J2241-5236 (8 min presentation + 2 min Q&A)	DK	10 min
1:30pm	Vivek Venkatraman Krishnan, SWIN The UTMOST SMIRF survey (8 min presentation + 2 min Q&A)	VVK	10 min
1:40pm	Chris Curtin, SWIN Three of the highest redshift supernova spectra ever collected from the first HSC-SSP supernova survey Keck follow-up campaign (8 min presentation + 2 min Q&A)	CC	10 min
1:50pm	Panel Discussion: CAASTRO: highlights from the last seven year. What we have learned? What is our legacy? Chair: Warwick Couch Elaine Sadler, Lister Staveley-Smith, Rachel Webster, Matthew Colless	WC EMS LSS RW MC	50 min
2:40pm	Retreat Summary – Minh Hyunh and Attila Popping	MH/AP	15 min
2:55pm	Next Steps – Elaine Sadler	EMS	5 min
	Close		
3:00pm	Bus leaves Novotel Barossa Valley Resort for Adelaide Airport	ALL	
4:30pm	Bus arrives at Adelaide Airport	All	
5:30pm	Flights depart Adelaide Airport	ALL	