

ASA2006 Programme

(@ 30 June)

Sunday July 2

13:30	17:30	240			ASA Council meeting
18:00	20:00	120			Registration and Reception at Olims Hotel

Monday July 3

start	stop	time	#	pg	author	title
8:00	9:00	60			Registration	
8:30	9:00	30			Welcome, and Official Opening of ASA2006 by Professor John Baird, Rector, UNSW@ADFA	
9:00	9:15	15	1		Session 1	Australian astronomy MNRF and the future (90 min) [Chair: Gary Da Costa]
9:15	9:30	15	2		Paul Francis	Australia's time on the Magellan telescopes, and Gemini update
9:30	9:45	15	3		Lister Staveley-Smith	MNRF SKA developments and beyond
9:45	10:00	15	4		Penny Sackett	The Giant Magellan Telescope and Australia
10:00	10:15	15	5		Charles Jenkins	The challenges of building Extremely Large Telescopes
10:15	10:30	15	6		Peter McGregor	NIFS and GSAOI for the Gemini telescopes
					Anne Green	The SKA Molonglo prototype (SKAMP) project: progress and prospects
10:30	11:15	45			morning tea and extended poster session	
11:15	11:30	15	7		Session 2	MNRF science (60 min); ATCA software development (15 min) [Chair: Gary Da Costa]
11:30	11:45	15	8		Stuart Ryder	A little goes a long way: GMOS observations of NGC7424
11:45	12:00	15	9		Christopher Wright	Gemini mid-infrared observations of circumstellar disks
12:00	12:15	15	10		Sarah Maddison	Observing grain growth in protoplanetary disks
12:15	12:30	15	11		Juergen Ott	The ATCA galactic centre ammonia survey
					Matthew Whiting	Duchamp – a new source finder for 3-D datasets
12:30	13:45	75			lunch	SKA Reference Group Committee meeting led by Diana Londish
13:45	14:00	15	12		Session 3	New and forthcoming facilities (75 min) [Chair: Brad Carter]
14:00	14:15	15	13		Frank Briggs	The Mileura low frequency demonstrator
14:15	14:30	15	14		Rachel Webster	The Low Frequency Demonstrator: science and future plans
14:30	14:45	15	15		Matthew Colless	AAOmega and AAOmicron: the AAT's new instruments
14:45	15:00	15	16		Peter Cottrell	SALT: telescope and instrument commissioning
					David Blair	Gravitational wave astronomy and the AIGO project
15:00	15:30	30			afternoon tea	
15:30	15:45	15	17	*	Session 4	ATCA, Mopra and AAO science (75 min) [Chair: Melanie Johnson-Hollitt]
15:45	16:00	15	18	*	Deanna Matthews	High-resolution ATCA observations of the Magellanic stream
16:00	16:15	15	19	*	Katherine Newton-McGee	The nature of depolarisation canals in the ISM
16:15	16:30	15	21	*	Nadia Lo	Molecular line mapping and outflow of the Giant Molecular Cloud G333
16:30	16:45	15	22	*	Heath Jones	Mass and Luminosity Functions from the Finalised 6dF Galaxy Survey
					Russell Jurek	WiggleZ dark energy survey: survey plan and preliminary results
16:45	17:00	15			afternoon announcements	
17:30	19:00	90			GMT briefing meeting 'Progress, governance, prospects' lead by Charles Jenkins @ Olims	
19:00	20:00	60			Harley Wood Lecture given by Prof Mike Dopita @ the Visions Theatre, National Museum of Australia	

Tuesday July 4

start	stop	time	#	pg	author	title
8:50	9:00	10			morning announcements	
9:00	9:15	15	23		Session 5	Antarctic astronomy (90 min) [Chair: Sarah Maddison]
9:15	9:30	15	24		Michael Ashley	PILOT: A pathfinder for a International Large Optical Telescope in Antarctica
9:30	9:45	15	25		Michael Burton	Science with PILOT - what you can do with a 2m telescope in Antarctica
9:45	10:00	15	26	*	John Storey	LAPCAT: the Large Antarctic Plateau Clear Aperture Telescope
10:00	10:15	15	27	*	Balthasar Indermuehle	Dome A - the final frontier
10:15	10:30	15	28	*	Shane Hengst	Autonomous site testing for Antarctic astronomy
					Suzanne Kenyon	Atmospheric scintillation at Dome C, Antarctica: implications for photometry and astrometry
10:30	11:00	30			morning tea	
11:00	11:15	15	29		Session 6	High-energy astrophysics I (90 min) [Chair: Chris Wright]
11:15	11:30	15	30	*	Roger Clay	TEN-TEN: the next generation of UHE astronomy
11:30	11:45	15	31	*	Sean Farrell	A multicoloured view of 2S 0114+650: an unusual X-ray binary
11:45	12:00	15	32	*	Duncan Galloway	A 'missing link' between accretion-powered millisecond pulsars and non-accreting LMXBs
12:00	12:15	15	33	*	Bruce Dawson	Recent results from the Pierre Auger cosmic ray observatory
12:15	12:30	15	34	*	Gavin Rowell	Recent results in TeV gamma-ray astronomy from HESS observations
					Marc Duldig	Cosmic ray induced radiation dose during jet aircraft flight
12:30	13:45	75			lunch	Women in Astronomy discussion session led by Sarah Maddison
13:45	14:00	15	35	*	Session 7	High-energy astrophysics II (75 min) [Chair: Brad Carter]
14:00	14:15	15	36	*	Matthias Vigelius	The bow shock around PSR J2124-3358
14:15	14:30	15	37	*	Jasmina Lazendic-Galloway	A high-res view of kinematic and plasma properties from Chandra grating observations of Cas A
14:30	14:45	15	38	*	Andrew Melatos	Gravitational radiation from accreting neutron stars
14:45	15:00	15	39	*	Eric Howell	App of the prob event horizon to constrain the local rate density of binary black hole inspiral
					Phil Edwards	The fastest AGN jets
15:00	15:30	30			afternoon tea	
15:30	16:45	75			Review of the Publications of the Astronomical Society of Australia led by Louise Hartley	
16:45	17:45	60			Annual General Meeting of the Astronomical Society of Australia	
18:00	20:00	120			Heads of Departments and Directors Meeting	
18:00	20:00	120			PASA EAC meeting led by Louise Hartley	

Wednesday July 5

start	stop	time	#	pg	author	title	
8:50	9:00	10			morning announcements		
					Session 8	(Proto-) Planetary science (75 min)	[Chair: Sarah Maddison]
9:00	9:15	15	40		Warrick Lawson	Unbiased Spitzer disk surveys of nearby star formation regions	
9:15	9:30	15	41		Paul Francis	Beyond the Jupiter barrier	
9:30	9:45	15	42		Andrew Prentice	Titan at the time of the Cassini spacecraft T-11 flyby: a numerical model	
9:45	10:00	15	43		Bill Zealey	Glacial features on Mars: Eskers in the Upper Kasei Vallis	
10:00	10:15	15	44		David Blank	The JCU search for exoplanets	
10:15	11:00	45			morning tea and extended poster session		
					Session 9	Astronomy Education (60 min)	[Chair: Nick Lomb]
11:00	11:15	15	45		Jonathan Nally	Informing the taxpayers: bringing astronomy to the masses	
11:15	11:30	15	46		Rachel Webster	Supervising astrophysics PhD's: the traps and dangers	
11:30	11:45	15	47		Tanya Hill	'Come see the stars!' - the modern world of Planetaria	
11:45	12:00	15	48		Lisa Germany	Outreach activities at the Centre for Astrophysics and Supercomputing	
					Bok Prize talk (15 min)		
12:00	12:15	15	49	*	Brent Miszalski	Multi-object spectroscopy field configuration by simulated annealing	
					Presentation of the Bok medal		
12:30	13:45	75			lunch		
						NCRIS Investment Plan discussion session led by Brian Boyle	
					Session 10	The Galaxy and Extragalactic astronomy I (90 min)	[Chair: Melanie Johnson-Hollitt]
13:45	14:00	15	50	*	Jackie Cooper	Starburst driven galactic winds	
14:00	14:15	15	51	*	Alyson Ford	HI clouds in the Lower Halo	
14:15	14:30	15	52		Helmut Jerjen	The Stromlo Missing Satellites survey	
14:30	14:45	15	53		Kenji Bekki	Triggered star formation in the Magellanic Clouds	
14:45	15:00	15	54	*	Annie Hughes	Improving the 1.4 GHz ATCA mosaic of the Large Magellanic Cloud	
15:00	15:15	15	55	*	Craig Harrison	The stellar populations in early-type cluster galaxies	
15:15	15:45	30			afternoon tea		
						ASA Education and Public Outreach Committee meeting led by Nick Lomb	
					Session 11	Extragalactic astronomy II and Cosmology (90 min)	[Chair: Stuart Ryder]
15:45	16:00	15	56		Erwin De Blok	The star formation threshold in NGC6822	
16:00	16:15	15	57		Jeremy Bailin	How spherical is the invisible cow? Measuring the shapes of dark matter halos	
16:15	16:30	15	58	*	Philip Lah	Neutral hydrogen gas in star forming galaxies at $z = 0.24$	
16:30	16:45	15	59	*	Jhan Srinovsky	The quasar contribution to the reionization of cosmic radiation	
16:45	17:00	15	60		Stuart Wyithe	Suppression of dwarf galaxy formation by cosmic reionization	
17:00	17:15	15	61	*	Eduard Westra	The Wide Field Imager Lyman- α search	
17:15	17:25	10			afternoon announcements		
18:00	23:00	240			conference dinner @ Old Parliament House		

Thursday July 6

start	stop	time	#	pg	author	title	
8:50	9:00	10			morning announcements		
					Session 12	Site testing (30 min); Stellar Astrophysics I (90 min)	[Chair: Chris Wright]
9:00	9:15	15	62	*	Michael Goodwin	Atmospheric turbulence results at Siding Spring	
9:15	9:30	15	63	*	Judy Mohr	Atmospheric turbulence profiling at Mount John	
9:30	9:45	15	64	*	Marilena Salvo	How good are Type Ia supernovae as distance indicators?	
9:45	10:00	15	65	*	Christine Thurl	Tomography of giants and dwarves	
10:00	10:15	15	66	*	Jose Robles	How anomalous is the Sun?	
10:15	10:30	15	67	*	Laura Stanford	Abundances on the main sequence of omega Centauri	
10:30	10:45	15	68	*	Elizabeth Wylie	S-process element abundances in giant stars of 47 Tuc	
10:45	11:00	15	70	*	Julian North	How far to the Dragon's Den? SUSI sizes up γ^2 Velorum	
11:00	11:30	30			morning tea		
11:30	11:40	10			announcement of best student talks and best student posters		
					Session 13	Stellar Astrophysics II (75 min)	[Chair: Warrick Lawson]
11:40	11:55	15	69		Laszlo Kiss	The biggest stars of heaven: pulsations of supernova progenitors	
11:55	12:10	15	71		Ken Freeman	The RAVE project: goals, opportunities and the first data release	
12:10	12:30	15	72		Quentin Parker	The MacQuarie/AAO/Strasbourg H α planetary nebula survey: MASH	
12:30	12:45	15	73		Robert Smith	The nature of GGD30	
12:45	13:00	15	74		Simon O'Toole	Recent results in hot, low mass star research	
13:00	13:15	15			Conference close		

Poster presentations

#	pg	author	title
1	*	Nick Bate	Smooth matter and source sizes in microlensing simulations
2	*	Daniel Bayliss	The Skymapper search for transiting hot Jupiters
3		David Blank	ATCA and VLA search for a debris disk around GJ876
4		David Blank	The Catts Telescope: A Forgotten Stromlo Reflector
5	*	Catherine Braiding	Star formation and the Hall Effect
6		Michael Burton	The Parkes methanol multibeam survey of the Galaxy
7		Brad Carter	Remote and robotic astronomy at Mt Kent Observatory
8	*	Jessie Christiansen	Byproducts of the UNSW search for extrasolar planets
9	*	Christine Chung	An analytic model of quasi-periodic accretion in magnetized compact objects
10		Roger Clay	Picking out cloud
11	*	Aliz Derekas	Binarity and multiple periodicity in southern high-amplitude delta Scuti stars
12	*	Sean Farrell	Discovery of a 40d periodicity in 4U 0513-40
13	*	Leith Godfrey	LBA observations of the hotspot of PKS 1421-490
14		Alister Graham	The local supermassive black hole mass function from the black hole - galaxy concentration
15	*	Duane Hamacher	Umm al Binni lake: effects of a possible Holocene bolide impact
16		Shinji Horiuchi	MNRF activity at the Swinburne University of Technology
17		Helmut Jerjen	Lighting Our darkest hour: Searching for lambda CDM's missing Milky Way satellites
18		Melanie Johnston-Hollitt	Fibre coupling of the Mount Canopus Spectrometer
19		Melanie Johnston-Hollitt	Spectroscopic observations of the double radio relic cluster A3376
20	*	Grant Kennedy	Formation of super-Earths
21	*	Suzanne Kenyon	Optical sky brightness at Dome C, Antarctica
22		Iana Klamer	Radio spectra of high redshift radio galaxies
23		Diana Londish	The Australian SKA Planning Office - news and recent developments
24		Sarah Maddison	The effect of a planet on the dust layer of a protoplanetary disk
25	*	Korinne McDonnell	A search for 6049 MHz OH masers in the interaction of supernova remnants and molecular clouds
26	*	Fatma Mohamed Reda	Isolated early-type galaxies
27	*	Lesa Moore	Malin 1: A deeper look
28		Erik Muller	H α in the Magellanic Bridge: another piece in the puzzle
29	*	Se-Heon Oh	High resolution rotation curves of THINGS dwarf galaxies
30	*	Matt Owers	Environmental properties of a starburst sample selected from the 2dFGRS
31	*	Jose Robles	Patterns of elemental abundances in the Sun
32	*	Andrew Smith	MUSIC: The Macquarie University Selective Imaging Camera
33	*	Manuraj Sundaram	O $_2$ abundance in the Venus middle atmosphere
34		Patrick Tisserand	The Skymapper telescope: a new breed of wide-field survey telescopes
35		Matthew Verdon	Wave dispersion in pulsar magnetospheres
36	*	Ivy Wong	The UV luminosity density of the local universe from an HI-selected sample
37	*	Charlotte Worley	s-process element abundances throughout the CMD of 47 Tuc
38		Stuart Wyithe	Intrinsic scatter in the Magorrian relation