

Multiwavelength Surveys: A Vintage Decade



Sunday, June 3

16:00 19:00 Welcome reception and registration - Mercure Hunter Valley Gardens

Monday, June 4

9:00 9:05 Welcome and introduction
Session I - Chair: Jill Rathborne
9:05 9:45 The importance of surveys and survey astronomy
9:45 10:25 Supernovae, Surveys, and SkyMapper
10:25 10:40 CAASTRO: The Centre for All-sky Astrophysics
10:40 11:10 *Morning tea*
Session II - Chair: Andrew Hopkins
11:10 11:35 The WISE All-Sky Data Release
11:35 11:50 The WISE High-Resolution Galaxy Atlas
11:50 12:15 Status of the Planck Mission
12:15 12:30 The High Time Resolution Survey for Pulsars - Latest Results
12:30 13:30 Lunch
Session III - Chair: Melanie Johnston-Hollitt
13:30 13:55 Realisation of a low radio frequency survey machine: The Murchison Widefield Array
13:55 14:20 Overview of LOFAR and the Multifrequency Snapshot Sky Survey (MSSS)
14:20 14:35 The SKA Molonglo Prototype (SKAMP) Project
14:35 14:50 *Poster Sparkler Session I*
14:50 15:20 *Afternoon tea*
Session IV - Chair: Bryan Gaensler
15:20 15:45 S-PASS: a new view of the polarized sky emission
15:45 16:00 The Polarisation Sky Survey of the Universe's Magnetism (POSSUM)
16:00 16:25 REXCESS - Representative XMM-Newton Cluster Structure Survey
16:25 16:40 GAMA and the assembly of the cluster Abell 1882
16:40 16:55 Galaxy Cluster Science with Next Generation Radio Telescopes
16:55 17:10 Bringing Order to Chaos: data-mining and machine-learning in the era of all-sky surveys

Jill Rathborne
Matthew Colless
Brian Schmidt
Bryan Gaensler

Roc Cutri
Thomas Jarrett
Olivier Perdereau
Simon Johnston

Steven Tingay
George Heald
Anne Green
P1 - P6

Ettore Caretti
Xiaohui Sun
Gabriel Pratt
Matt Owers
Melanie Johnston-Hollitt
Peter-Christian Zinn

Tuesday, June 5

Session V - Chair: Anne Green
9:00 9:25 The HI Galactic All-Sky Survey
9:25 9:40 The gaseous features of the Magellanic system
9:40 9:55 Making a SPLASH at The Dish
9:55 10:10 CORNISH - UCHII regions, PNe and radio-galaxies towards the northern GLIMPSE region
10:10 10:35 HOPS - the H2O southern Galactic Plane Survey
10:35 11:05 *Morning tea*
Session VI - Chair: Andrew Walsh
11:05 11:20 The Methanol Multibeam Survey: A resource for multi-wavelength study of the structure and dynamics of the Galaxy
11:20 11:35 MALT-45: A survey of the southern Galaxy between 42 and 50GHz
11:35 12:00 ATLASGAL - a 420 square degree Galactic plane survey at 870 microns with APEX
12:00 12:25 The Millimetre Astronomy Legacy Team 90 GHz Survey (MALT90)
12:25 13:25 *Lunch*
Session VII - Chair: James Green
13:25 13:40 Galactic Center molecular line surveys at high resolution
13:40 13:55 Star formation in the nearby Lupus molecular clouds
13:55 14:20 The Galactic Archaeology with HERMES Survey
14:20 14:35 Globular cluster studies in the Sloan Digital Sky Survey
14:35 14:50 H-alpha surveys and the diagnostic capabilities of the new era of high quality high sensitivity and high resolution multi-wavelength sky surveys
14:50 15:20 *Afternoon tea*

Naomi McClure-Griffiths
Bi-Qing For
Joanne Dawson
Cormac Purcell
Andrew Walsh

James Green

Christopher Jordan
Frederic Schuller
James Jackson

Sergio Martin
Milena Benedettini
Gayandhi De Silva
Sarah Martell
Quentin Parker

Session VIII - Chair: Sarah Brough

15:20 15:35 Multi-wavelength studies of E+A galaxies: the fate of their gas supplies
15:35 15:50 DYNAMO: A 3D survey of highly star-forming galaxies in the local Universe
15:50 16:05 Massively Multiplexed IFU surveys with SAMI
16:05 16:20 Direct Shear Mapping
16:30 17:30 *Wine and cheese*

Warrick Couch
Andy Green
Scott Croom
Catherine de Burgh-Day

17:30 18:30 Photography and the Discovery of the Universe

David Malin

Wednesday, June 6

8:00 9:00 Viewing - transit of Venus

Session IX - Chair: Thomas Jarrett

9:00 9:25 Overview of Herschel Extragalactic Surveys
9:25 9:40 Clustering in the H-ATLAS survey
9:40 9:55 Herschel-ATLAS: SEDs and the putative L-T relation
9:55 10:10 The SEDs of dusty galaxies at low and high redshift
10:10 10:25 Exploring Properties of Early-Type Galaxies with H-ATLAS and GAMA
10:25 10:55 *Morning tea*

Loretta Dunne
Steve Maddox
Dan Smith
Kate Rowlands
Nicola Agius

Session X - Chair: Nick Seymour

10:55 11:10 Clusters of Dusty Galaxies Uncovered by Herschel and Planck
11:10 11:25 Survey for molecular gas in high-z proto-cluster radio galaxies with the Australia Telescope Compact Array
11:25 11:50 Spitzer SEDS and HST CANDELS: Establishing five prime panchromatic fields for cosmology and galaxy evolution studies
11:50 12:05 Star Formation Rates from UV to Radio
12:05 12:20 *Poster Sparkler Session II*
12:20 13:20 *Lunch*

David Clements
Bjorn Emonts

Kai Noeske

Smriti Mahajan
P7 - P11

Thursday, June 7

Session XI - Chair: Warrick Couch

9:00 9:25 Galaxy And Mass Assembly: A multi-facility multi-wavelength endeavour
9:25 9:40 The GAMA mass-metallicity relationship
9:40 9:55 Galaxy And Mass Assembly (GAMA): A deeper view of the Mass, metallicity, and SFR relationships
9:55 10:10 Does environment play a role in galaxy evolution?
10:10 10:25 Using spatial information to resolve the role of environment in galaxy formation
10:25 10:55 *Morning tea*

Aaron Robotham
Caroline Foster
Maritza Lara-Lopez

Andrew Hopkins
Sarah Brough

Session XII - Chair: Matthew Colless

10:55 11:10 The environments of hot- and cold- Mode accretors
11:10 11:25 Exploring Active Transformation within Compact Groups: From Shocks to Surveys
11:25 11:40 The star formation history of the local universe
11:40 11:55 Linking Star Formation Histories with Galaxy Assembly
11:55 12:10 Measuring the physical properties of galaxy components in modern multi-wavelength surveys
12:10 12:25 Red ones and blue ones; round ones and flat ones; live ones and dead ones - Deconstructing Bimodality

John Ching
Michelle Cluver
Madusha Gunawardhana
Amanda Bauer
Boris Haeussler
Edward Taylor

12:25 13:25 *Lunch*

Session XIII - Chair: Naomi McClure-Griffiths

13:25 13:50 VST Surveys
13:50 14:05 The Wisconsin H-Alpha Mapper Sky Survey
14:05 14:20 Quantifying Atomic Gas in the Local Universe and its Cosmological Evolution
14:20 14:35 Neutral Hydrogen in Galaxies: Current and Future Surveys
14:35 14:50 WALLABY---the next generation HI all-sky survey
14:50 15:05 Next Generation HI Surveys
15:05 15:35 *Afternoon tea*

Konrad Kuijken
Alex Hill
Robert Braun
Baerbel Koribalski
Ivy Wong
Lister Staveley-Smith

Session XIV - Chair: Robert Braun

15:35 15:50 From ATLAS to EMU: How next-generation Radio Continuum Surveys are changing our view of the star-forming Universe
15:50 16:05 The Past, Present and Future of High-z Radio Galaxies
16:05 16:20 First results from Chandra/AKARI NEP survey: search for Compton-thick accretion
16:20 16:35 Southern AGN on (Sub-)Parsec Scales
16:35 16:50 The prevalence of AGN feedback in massive galaxies at $z > 1$
18:00 23:00 *Conference dinner*

Ray Norris

Nick Seymour
Mirko Krumpel
Jamie Stevens
Chris Simpson

Friday, June 8

Session XV - Chair: Loretta Dunne

9:00 9:25 What can the Virtual Observatory do for Multiwavelength Surveys?

9:25 9:40 eROSITA, SPIDERS and 4MOST

9:40 9:55 Unveiling intermediate mass black holes using eROSITA and ASKAP

9:55 10:10 Completing the Census of Core-Collapse Supernovae using Infrared and Radio Observations

10:10 10:25 Missing the Trees for the Forest

10:25 10:55 *Morning tea*

Session XVI - Chair: Ray Norris

10:55 11:20 Building model universes in the "cloud": the Theoretical Astrophysical Observatory (TAO)

11:20 11:35 The Micro-Arcsecond Scintillation-Induced Variability (MASIV) Survey and follow-up: results and implications

11:35 11:50 Ten Billion Years of Cosmic Star Formation from Dwarfs to Giants

11:50 12:05 The Akari Deep Field South: a multiwavelength catalog of extragalactic sources

12:05 12:20 Combining Australia and Cambridge surveys to explore the high-radio-frequency source population

12:20 12:25 Conference wrap up

12:25 13:25 *Lunch*

14:00 *Bus departs for Sydney*

Andreas Wicenec

Mara Salvato

Sean Farrell

Stuart Ryder

James Taylor

Darren Croton

Hayley Bignall

Alyssa Drake

Katarzyna Malek

Thomas Franzen

Poster Sparkler Session I

- P1 Evolution of the Ultraluminous Infrared Galaxy Population in the Bootes Field
P2 GASKAP - A Galactic Spectral Line Survey with ASKAP
P3 A Multi-wavelength Study of Symbiotic Stars in the Magellanic Clouds
P4 The GOALS Survey: Probing the Nature of Local Luminous Infrared Galaxies
P5 The Wisconsin H-Alpha Mapper Sky Survey
P6 BEST II a ground based support for the CoRoT Space Mission

David Atlee

Joanne Dawson

Francesco Di Mille

Sebastian Haan

Alex Hill

Petr Kabath

Poster Sparkler Session II

- P7 ATPMN: a catalogue of 9000 sources measured at 5 and 8 GHz with the ATCA
P8 Thermal plasma within the giant lobes of Centaurus A
P9 A blind detection of a large, complex, Sunyaev-Zel'dovich structure
P10 Clustering of the NIR and MIR selected sample of AKARI NEP Deep galaxies
P11 Star formation within the gas-dominated dwarf galaxy ESO 215-G?009

David McConnell

Shane O'Sullivan

Tim Shimwell

Aleksandra Solarz

Bradley Warren