

## CONFERENCE PROGRAM

Monday, September 23

- 09:00 - 09:10 Welcome Address by Powerhouse Museum Director *Rose Hiscock*
- Session I - Chair: Bob Nichol*
- 09:10 - 09:40 **Invited: The Importance of morphology for galaxy evolution** *Roger Davies*
- 09:40 - 10:10 **Invited: Fundamental problems in galaxy evolution** *Karl Glazebrook*
- 10:10 - 10:30 Are major mergers important? *Sugata Kaviraj*
- 10:30 - 11:00 Morning tea
- Session II - Chair: Bob Nichol*
- 11:00 - 11:30 **Invited: Scientific impact of Galaxy Zoo** *Chris Lintott*
- 11:30 - 11:50 Galaxy Zoo 2: quantifying detailed morphologies for 300,000 galaxies *Kyle Willett*
- 11:50 - 12:10 From mergers to post-mergers: a complete view of the galaxy interaction sequence *Sara Ellison*
- 12:10 - 12:30 On the evolution of observable properties of 1:1 merger remnants *Inchan Ji*
- 12:30 - 13:30 Lunch
- Session III - Chair: Roger Davies*
- 13:30 - 14:00 **Invited: Environmentally-driven evolution** *Aeree Chung*
- 14:00 - 14:20 The role of stellar mass and environment for cluster blue fraction, AGN and star formation *Kevin Pimbblet*
- 14:20 - 14:40 Kinematic morphology and its relationship to local and global environment *Nicholas Scott*
- 14:40 - 15:00 UV bright red sequence cluster galaxies: their environment and morphology *Jake Crossett*
- 15:00 - 15:30 Afternoon tea
- Session IV - Chair: Roger Davies*
- 15:30 - 16:00 **Invited: New simulations in galaxy evolution** *Darren Croton*
- 16:00 - 16:20 Major mergers on massive early-type galaxies in clusters *Sukyong Yi*
- 16:20 - 16:40 A signature of merger driven star formation in spiral galaxies *Tim Dolley*
- 16:40 - 17:00 On the origin of tidal features in cluster galaxies *Hoseung Choi*

## Tuesday, September 24

09:00 - 09:05 Announcements

*Ivy Wong*

*Session V - Chair: Darren Croton*

09:05 - 09:35 **Invited: Secular process and galaxy evolution**

*Karen Masters*

09:35 - 09:55 Secular evolution in the green valley

*Thiago Goncalves*

09:55 - 10:15 Galaxy and mass assembly (GAMA): the connection between metals, specific SFR and HI gas in galaxies: the Z-SSFR relation

*Maritza Lara-Lopez*

10:15 - 10:35 Ordered vs. random motions, the morphology dependence of Tully-Fisher relation and the Fundamental Manifold of spiral galaxies

*Chiara Tonini*

10:35 - 11:00 Morning tea

*Session VI - Chair: Darren Croton*

11:00 - 11:30 **Invited: The role of AGN feedback**

*Kevin Schawinski*

11:30 - 11:50 Secular growth of galaxies and supermassive black holes

*Brooke Simmons*

11:50 - 12:10 Connecting black hole activity and star formation with Galaxy Zoo

*Stas Shabala*

12:10 - 12:30 The environmental impact on the powerful radio galaxy NGC 612 (PKS 0131-36)

*Julie Banfield*

12:30 - 13:30 Lunch

*Session VII - Chair: Karen Masters*

13:30 - 13:50 Stochastic nature of feedback processes in galaxies

*Joss Bland-Hawthorn*

13:50 - 14:10 The role of galactic bars on central star formation and AGN

*Seulhee Oh*

14:10 - 14:30 Galaxy Zoo: evolution of the bar fraction over the last 8 billion years

*Thomas Melvin*

14:30 - 14:50 Clues to galaxy evolution from galaxy structure, and the M<sub>BH</sub> - M<sub>BULGE</sub> relation

*Alister Graham*

14:50 - 15:20 Afternoon tea

**15:20 Bus departs from Powerhouse Museum**

**15:50 - 17:20 Tour of Sydney Observatory**

**17:30 Walk down Observatory Hill**

**17:45 - 22:00 Conference dinner cruise around Sydney Harbour**

*Session VIII - Chair: Karl Glazebrook*

09:50 - 10:20 **Invited: The impact of citizen science outreach & education** *Carol Christian*  
10:20 - 10:40 A BOINC based project for Spectral Energy Distribution fitting *Kevin Vinsen*

10:40 - 11:10 Morning tea

*Session IX - Chair: Karl Glazebrook*

11:10 - 11:40 **Invited: Quantifying galaxy morphology** *Jen Lotz*  
11:40 - 12:00 Relating the formation and evolution of disk galaxies from their morphology *Ivan Minchev*  
12:00 - 12:20 What is a Pseudobulge and why should I care? *David Fisher*  
12:20 - 12:40 Bar morphology as a function of wavelength: a local baseline for high-redshift studies *Karin Menendez-Delmestre*

12:40 - 13:40 Lunch

*Session X - Chair: Kevin Schawinski*

13:40 - 14:10 **Invited: What the Zooniverse can do for you** *Chris Snyder*  
14:10 - 14:30 Web developer *Ed Paget*  
14:30 - 14:50 Morphological classification of galaxies in CANDELS *Jeyhan Kartaltepe*  
14:50 - 15:10 Early-type galaxies in a cluster at  $z=2$  *Veronica Strazzullo*

15:10 - 15:40 Afternoon tea

*Session XI - Chair: Kevin Schawinski*

15:40 - 16:00 Fading AGN and backlit galaxies - finding the rare and unexpected with Galaxy Zoo *William Keel*  
16:00 - 17:00 **Discussion session - "Is galaxy morphology important?"** *moderated by K. Schawinski*

**18:30 - 20:30 Zooniverse community workshop for educators & school teachers chaired by Rob Hollow and Kelly Borden**

*Session XII - Chair: Ray Norris*

- 09:00 - 09:30 **Invited: Multiwavelength morphology and galaxy evolution studies** *Andrew Hopkins*
- 09:30 - 09:50 Low-mass galaxies are bursting for attention *Amanda Bauer*
- 09:50 - 10:10 The parameter space of local dwarf galaxies in GAMA *Smriti Mahajan*
- 10:10 - 10:30 Neutral gas in blue compact dwarf galaxies *Angel Lopez-Sanchez*
- 10:30 - 11:00 Morning tea

*Session XIII - Chair: Ray Norris*

- 11:00 - 11:20 The morphological transformation of galaxies in compact groups *Iraklis Konstantopoulos*
- 11:20 - 11:40 Tracing outer edges of galaxy disks *Baerbel Koribalski*
- 11:40 - 12:10 **Invited: Zooniverse case study: Radio Galaxy Zoo** *Ivy Wong*
- 12:10 - 12:30 Constraining the evolutionary path of the youngest radio galaxies using radio morphology *Jordan Collier*
- 12:30 - 13:30 BBQ Lunch

*Session XIV - Chair: Andrew Hopkins*

- 13:30 - 14:00 **Invited: Integral Field Unit Surveys** *Scott Croom*
- 14:00 - 14:20 HI discs in early-type galaxies *Paolo Serra*
- 14:20 - 14:40 Finding galaxies with unusual HI content *Helga Denes*
- 14:40 - 15:00 The HST GOALS Survey: probing the morphology and evolution of (U)LIRGs *Sebastian Haan*
- 15:00 - 15:20 Star formation in red spiral galaxies *Michael Brown*
- 15:20 - 15:50 Afternoon tea

*Session XV - Chair: Andrew Hopkins*

- 15:50 - 16:20 **Invited: Conference summary** *Matthew Colless*

The end. We hope that you have enjoyed this meeting.

## POSTER PRESENTATIONS

<i>Title</i>	<i>Presenter</i>
Detecting the cold neutral gas in young radio galaxies	<i>James Allison</i>
Search for fly-by encounters of galaxies in cosmological simulations	<i>Sung-Ho An</i>
Dynamical study of the vast thin plane of corotating dwarf galaxies orbiting the Andromeda galaxy	<i>Veronica Arias</i>
Gas inflow and cosmic star formation efficiency beyond $z=3$	<i>Fuyan Bian</i>
The outer halo of Centaurus A	<i>Sarah Bird</i>
What shapes the local galaxy luminosity function?	<i>Nicolas Bonne</i>
Morphological transformation of red sequence galaxies in high- $z$ galaxy clusters	<i>Pierluigi Cerulo</i>
Nature or nurture? The relationship between star formation and AGN activity in NGC 7130	<i>Rebecca Davies</i>
A new morphological catalogue of $\sim 12,000$ IRAS galaxies: setting the $z=0$ baseline for star-forming galaxies	<i>Ashley Hyde</i>
The extended Virgo Cluster catalog	<i>Suk Kim</i>
StarBugs: a new technology for galaxy survey instruments	<i>Kyler Kuehn</i>
The chemistry and kinematics of molecular clouds near Sagittarius A*	<i>John Lopez</i>
Elemental Abundances on Galaxies hosting type Ia SN	<i>Manuel Emilio Moreno Raya</i>
Construction of global magnetic field structure model in disk galaxies with three dimensional magnetohydrodynamic simulations: effects of steady spiral arms	<i>Sho Nakamura</i>
The rise and fall of the star formation histories of blue galaxies at redshifts $0.2 < z < 1.4$	<i>Camilla Pacifici</i>
Extragalactic globular clusters: the fossil record of galaxy formation	<i>Vincenzo Pota</i>
Ubiquitous early-type dwarf galaxies with blue centers in the Ursa Major Cluster	<i>Soo-Chang Rey</i>
Connections between galaxy morphology and star cluster populations in nearby spirals	<i>Jenna Ryon</i>
The supermassive black hole mass-sersic index (and other) relation(s) for bulges and elliptical galaxies	<i>Giulia Savorgnan</i>
Census of blue compact dwarf galaxies from SDSS DR7	<i>Eon-Chang Sung</i>
The sizes of globular clusters in NGC 4278	<i>Christopher Usher</i>
The Skymapper view of red spirals	<i>Christian Wolf</i>
Multiwavelength properties of dwarf galaxies in the Local Volume I: deep near-infrared surface photometry and properties	<i>Tye Young</i>