



PROGRAM

2016 ANNUAL SCIENTIFIC CONFERENCE

The Changing Face of Galaxies: Uncovering Transformational Physics

19th-23rd September 2016
Hobart, TAS, Australia

SUNDAY 18 SEPTEMBER 2016

Time	Item
5:00pm	Registration Desk Opens <i>Exhibition Foyer</i> (posters can be displayed)
6:00pm – 8:00pm	Welcome Drinks <i>Exhibition Foyer</i>
8:00pm	Dinner <i>Delegates own choice</i>

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MONDAY 19 SEPTEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i> Early Morning Walk – meet in reception at 6:25am
7:30am – 8:50am	Registration Desk Open <i>Exhibition Foyer</i>
Welcome	
9:00am	Welcome/Acknowledgement of Country <i>Tasman Room</i>
9:05am – 9:15am	Welcome and Conference Overview Scott Croom, SOC/LOC Chair
Session I: Physical Reasons Behind Morphological Transformations Session Chair: Scott Croom	
9:15am – 9:50am	Marcella Carollo (review) <i>The Rise of Quenched Bulges from the Fall of Star-Forming Disks</i> (30 min presentation + 5 min Q&A)
9:50am – 10:15am	Paul Torrey (invited talk) <i>What are the Physical Reasons behind Morphological Transformations?</i> (20 min presentation + 5 min Q&A)
10:15am – 10:30am	Adriana de Lorenzo <i>Transforming Galaxies through Bars: Possible Evidences of Bar Growth</i> (12 min presentation + 3 min Q&A)
10:30am – 10:45am	Conor Bottrell <i>Observational Morphologies of Simulated Galaxies: Computational Cosmology as Seen Through a Telescope</i> (12 min presentation + 3 min Q&A)
10:45am – 11:15am	Morning Tea <i>Exhibition Foyer</i>

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Session II: Physical Reasons Behind Morphological Transformations (continued) Session Chair: Alfonso Aragon-Salamanca	
11:15am – 11:40pm	Luca Cortese (invited talk) <i>What are the Physical Reasons behind Morphological Transformations at z~0?</i> (20 min presentation + 5 min Q&A)
11:40am – 11:55am	Alister Graham <i>Compact Massive Galaxy Evolution through Disc Growth</i> (12 min presentation + 3 min Q&A)
11:55am – 12:10pm	Song Huang <i>Structure and Assembly History of Massive Central Galaxies through the Eye of Hyper-Suprime Camera</i> (12 min presentation + 3 min Q&A)
12:10pm – 12:25pm	Kenichi Tadaki <i>ALMA Reveals Rapid Formation of a Dense Core for Massive Galaxies at z~2</i> (12 min presentation + 3 min Q&A)
12:25pm – 12:40pm	Amanda Moffett <i>Galaxy And Mass Assembly (GAMA): Stellar Mass Build-up in Galaxy Spheroids and Disks</i> (12 min presentation + 3 min Q&A)
12:40pm – 2:10pm	Lunch <i>Exhibition Foyer</i>
Session III: Drivers of Kinematic Transformation Session Chair: Claudia Lagos	
2:10pm – 2:45pm	Michele Cappellari (review) <i>Observational Signatures of Kinematic Transformations</i> (30 min presentation + 5 min Q&A)
2:45pm – 3:00pm	Andy Green <i>Studying the Changing Face of Galaxies with the First Data Release of the SAMI Galaxy Survey</i> (12 min presentation + 3 min Q&A)
3:00pm- 3:15pm	Jesse van de Sande <i>Revisiting Galaxy Classification with SAMI through Higher Order Stellar Kinematics</i> (12 min presentation + 3 min Q&A)
3:15pm – 3:30pm	Jairo Mendez Abreu <i>The Merger Origin of Field S0 Galaxies Decoded through Integral Field Spectroscopy</i> (12 min presentation + 3 min Q&A)

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3:30pm – 3:45pm	John Blakeslee <i>The Massive Galaxy Survey</i> (12 min presentation + 3 min Q&A)
3:45pm – 4:00pm	Alfonso Aragon-Salamanca <i>The Formation and Evolution of the Brightest Cluster Galaxies</i> (12 min presentation + 3 min Q&A)
4:00pm – 4:10pm	Poster Sparklers (1min x 1 slide)
4:10pm	Afternoon Tea <i>Exhibition Foyer</i>
4:10pm – 5:30pm	Poster Session & Social Gathering/Galaxy Trivia/Poster Trivia
6:30pm	Dinner – Delegates Own Choice

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TUESDAY 20 SEPTEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i> Swimming – meet in Reception at 6:25am
8:55am – 9:00am	Announcements <i>Tasman Room</i>
Session IV: Drivers of Kinematic Transformation (continued) Session Chair: Karl Glazebrook	
9:00am – 9:25am	Emily Wisnioski (invited talk) <i>Tracing High-z Galaxy Kinematics from Turbulent Disks to Quenched Spheroids</i> (20 min presentation + 5 min Q&A)
9:25am – 9:40am	Raymond Simons <i>From Disk Assembly to Disk Settling: Observations of the Internal Kinematics of Star-Forming Galaxies to z~2</i> (12 min presentation + 3 min Q&A)
9:40am – 9:55am	Francesco D'Eugenio <i>The SAMI Galaxy Survey scaling relations</i> (12 min presentation + 3 min Q&A)
9:55am – 10:10am	Jessica Bloom <i>The SAMI Galaxy Survey: Disturbed Things Come in Small Packages - Asymmetric Kinematics in Low Mass Galaxies</i> (12 min presentation + 3 min Q&A)
10:10am – 10:25am	Ryan Leaman <i>Disentangling ISM Turbulence and Latent Dynamical Heating in Galaxies</i> (12 min presentation + 3 min Q&A)
10:25am – 10:55am	Morning Tea <i>Exhibition Foyer</i>
Session V: Drivers of Kinematic Transformation (continued) Session Chair: Suhyoung Yi	
10:55am – 11:10am	Matthew Colless <i>Exploring Angular Momentum in Galaxies with the SAMI Survey</i> (12 min presentation + 3 min Q&A)

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11:10am – 11:25am	Kyle Westfall <i>Trends in Asymmetric Drift Across the Blue Cloud</i> (12 min presentation + 3 min Q&A)
11:25am – 11:40am	Evelyn Johnston <i>Spectroscopic Bulge-Disc Decomposition of Galaxies</i> (12 min presentation + 3 min Q&A)
11:40am – 11:55am	Trevor Mendel <i>A Census of Stellar Kinematics at z~2</i> (12 min presentation + 3 min Q&A)
11:55am – 12:10pm	Sarah Brough <i>The SAMI Cluster Kinematic Morphology - Density Relation</i> (12 min presentation + 3 min Q&A)
12:10pm - 12:25pm	Poster Sparklers (1min x 1 slide)
12:25pm – 1:55pm	Lunch <i>Exhibition Foyer</i>
Session VI: Processes Controlling the Quenching of Star Formation Session Chair: Caroline Foster	
1:55pm – 2:30pm	Yingjie Peng (review) <i>Star Formation Quenching and the Star Forming Main Sequence</i> (30 min presentation + 5 min Q&A)
2:30pm – 2:55pm	Jorge Moreno (invited talk) <i>What are the Processes Controlling the Quenching of Star Formation?</i> (20 min presentation + 5 min Q&A)
2:55pm – 3:10pm	David Maltby <i>Post-Starburst Galaxies in the Early Universe: Their Importance in Determining Routes for Galaxy Quenching</i> (12 min presentation + 3 min Q&A)
3:10pm – 3:25pm	Katherine Alatalo <i>Catching Quenching Galaxies: Following the Roads Less Travelled to Galaxy Transformation</i> (12 min presentation + 3 min Q&A)
3:25pm – 3:40pm	Bruno Henriques <i>The Physical Mechanisms Responsible for Star Formation Quenching at Different Epochs</i> (12 min presentation + 3 min Q&A)

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3:40pm – 4:10pm	Afternoon Tea <i>Exhibition Foyer</i>
Session VII: Processes Controlling the Quenching of Star Formation (continued) Session Chair: Julie Banfield	
4:10pm – 4:25pm	Adam Schaefer <i>The Impact of Galaxy Environments on their Star Formation.</i> (12 min presentation + 3 min Q&A)
4:25pm – 4:40pm	Samantha Penny <i>Discs all the Way Down: The Origin of Quenched, Low Mass Galaxies Using MaNGA IFU Spectroscopy</i> (12 min presentation + 3 min Q&A)
4:40pm – 4:55pm	Julie Nantais <i>Stellar Mass Functions and Reduced Environmental Quenching Efficiency at $z \sim 1.5$</i> (12 min presentation + 3 min Q&A)
4:55pm – 5:10pm	Dale Kocevski <i>Insights on the AGN- Galaxy Connection from CANDELS and X-UDS</i> (12 min presentation + 3 min Q&A)
5:10pm – 5:25pm	Remco van den Bosch <i>Co-Evolution of Super-Massive Black Holes and Galaxies</i> (12 min presentation + 3 min Q&A)
6:30pm	Dinner <i>Delegates Own Choice</i>

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WEDNESDAY 21 SEPTEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i> Early Morning Walk – meet in Reception at 6:25am
8:55am – 9:00am	Announcements <i>Tasman Room</i>
Session VIII: AGN and Star-Formation Feedback Session Chair: Tadayuki Kodama	
9:00am – 9:35am	Chris Power (Review) <i>How Feedback Changes the Faces of Galaxies: A Review from a Theoretical Perspective</i> (30 min presentation + 5 min Q&A)
9:35am – 10:00am	Lisa Kewley (invited talk) <i>The Role of Starburst and AGN Feedback</i> (20 min presentation + 5 min Q&A)
10:00am – 10:15am	Darshan Kakkad <i>Insights into AGN Feedback at High-z Using ALMA & SINFONI</i> (12 min presentation + 3 min Q&A)
10:15am – 10:30am	Kevin Schawinski The AGN Life Cycle, Flickering and Feedback (12 min presentation + 3 min Q&A)
10:30am – 11:00am	Morning Tea <i>Exhibition Foyer</i>
Session IX: AGN and Star-Formation Feedback (continued) Session Chair: Sara Ellison	
11:00am – 11:35am	Joss Bland-Hawthorn (invited talk) <i>Baryonic Astrophysics in Galaxy Evolution - Inflows and Outflows</i> (20 min presentation + 5 min Q&A)
11:35pm – 11:50pm	Stas Shabala <i>We Should Care About the Environment, Especially when Quantifying Jet-Mode AGN Feedback</i> (12 min presentation + 3 min Q&A)

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11:50pm – 12:05pm	Rainer Weinberger <i>Modelling AGN Feedback in the Next Generation Cosmological Volume Simulations</i> (12 min presentation + 3 min Q&A)
12:05pm – 12:20pm	Rosalie McGurk <i>High Resolution Near-Infrared SINFONI Spectroscopy of Shocks and Outflows in Low Star-Formation Galaxies</i> (12 min presentation + 3 min Q&A)
12:20pm – 12:35pm	Edoardo Tescari <i>Galactic Winds in EAGLE Simulations and SAMI Observations: The Second Part of the Story</i> (12 min presentation + 3 min Q&A)
12:35pm – 2:00pm	Lunch <i>Exhibition Foyer</i>
1:30pm	Free Afternoon Social Program – Port Arthur Trip (optional activity additional cost) Other Activities: <ul style="list-style-type: none"> • Tasmanian Museum and Art Gallery (TMAG) • Maritime Museum • Mount Wellington • Cascade Brewery • Battery Point and Arthurs Circus • Royal Tasmanian Botanic Gardens and Government House • The Tench (Penitentiary Chapel Historic Site)
	Dinner <i>Delegates Own Choice</i>

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THURSDAY 22 SEPTEMBER 2016

Time	Item
6:30am	<i>Optional Activity</i> Mini Golf – Meet in Reception at 6:25am
8:55am – 9:00am	Announcements <i>Tasman Room</i>
Session X: Gas Accretion and Re-Fuelling Session Chair: Katherine Alatalo	
9:00am – 9:35am	Barbara Catinella (review) <i>The Gas Cycle of Galaxies Across Environments</i> (30 min presentation + 5 min Q&A)
9:35am – 10:00am	Claudia Lagos (invited talk) <i>Gas in Galaxies: The View from the EAGLE Cosmological Hydrodynamic Simulations</i> (20 min presentation + 5 min Q&A)
10:00am – 10:15am	David Fisher <i>DYNAMO: A Window into Process in Turbulent Disk Galaxies</i> (12 min presentation + 3 min Q&A)
10:15am – 10:25am	Poster Sparklers (1 min + 1 slide)
10:25am – 10:55am	Morning Tea <i>Exhibition Foyer</i>
Session XI: Gas Accretion and Re-Fuelling (continued) Session Chair: Lisa Kewley	
10:55am – 11:20am	Charlotte Christensen (invited talk) <i>Simulating the Gas Cycle in Galaxies</i> (20 min presentation + 5 min Q&A)
11:20am – 11:35am	Steven Janowiecki <i>Unusually Gas-Rich Central Galaxies in Small Groups</i> (12 min presentation + 3 min Q&A)
11:35am – 11:50am	Anshu Gupta <i>First Detection of a Cluster-scale ISM Metallicity Gradient: A New Outlook On Environmental Impact On Galaxy Evolution</i> (12 min presentation + 3 min Q&A)

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11:50am - 12:05pm	Glen Kacprzak <i>Cold-Mode Accretion: The Cause of the Fundamental Mass Metallicity Relation at $z=2$</i> (12 min presentation + 3 min Q&A)
12:05pm - 12:20pm	Sree Oh <i>Tracing the Star Formation History of Early-Type Galaxies via Various Scaling Relations</i> (12 min presentation + 3 min Q&A)
12:20pm – 1:50pm	Lunch <i>Exhibition Foyer</i>
Session XII: Gas Accretion and Re-Fuelling (continued) Session Chair: Evelyn Johnston	
1:50pm – 2:05pm	Charlotte Welker <i>Mergers and Gas Accretion onto Galaxies: The Imprint of the Cosmic Web</i> (12 min presentation + 3 min Q&A)
2:05pm – 2:20pm	Ivy Wong <i>Constant-Q Disk Stabilities Result in Uniform Star Formation Efficiencies</i> (12 min presentation + 3 min Q&A)
2:20pm – 2:35pm	Brent Groves <i>Metallicity and Gradients Along the Galaxy Main Sequence</i> (12 min presentation + 3 min Q&A)
2:35pm – 2:50pm	Poster Sparklers (1 min + 1 slide)
2:50pm – 3:15pm	Afternoon Tea <i>Exhibition Foyer</i>

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Session XIII: External and Internal Processes in Galaxy Formation Session Chair: Sarah Brough	
3:15pm – 3:50pm	Sara Ellison (review) <i>The Triggering Mechanisms of Star Formation and Active Galactic Nuclei</i> (30 min presentation + 5 min Q&A)
3:50pm – 4:05pm	Callum Bellhouse <i>Untangling Jellyfish: Ram-Pressure Stripped Galaxies in Different Environments with MUSE and GASP</i> (12 min presentation + 3 min Q&A)
4:05pm – 4:20pm	Tadayuki Kodama <i>The Changing Face of Proto-Clusters</i> (12min presentation + 3 min Q&A)
4:20pm – 5:20pm	Collaborative Working Groups
6:00pm	Conference Dinner MONA – Museum of Old and New Art, Tasmania Ferry to depart: 6:00pm

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FRIDAY 23 SEPTEMBER 2016

Time	Item
7:30am	<i>Optional Activity</i> Early Morning Walk – meet in Reception at 7:25am
9:25am – 9:30am	Announcements <i>Tasman Room</i>
Session XIV: External and Internal Processes in Galaxy Formation (continued) Session Chair: Joss Bland-Hawthorn	
9:30am – 9:55am	Sukyoung Yi (invited) <i>Relative Importance of Internal vs External Effects on Galaxy Evolution: From the Spin Perspective</i> (20 min presentation + 5 min Q&A)
9:55am – 10:10am	Matt Owers <i>The SAMI Galaxy Survey: The impact of the Cluster Environment on the Star Formation of Infalling Galaxies</i> (12 min presentation + 3 min Q&A)
10:10 – 10:25pm	Julia Bryant <i>The SAMI Galaxy Survey: Gas Stellar Misalignment in Galaxies and the Impact of Morphology and Environment</i> (12 min presentation + 3 min Q&A)
10:25am – 10:30am	Posters Sparklers (1 min + 1 slide)
10:30am-11:00am	Morning Tea <i>Exhibition Foyer</i>
Session XV: Key Physical Process of Galaxy Formation Change with Cosmic Time Session Chair: Michael Brown	
11:00am – 11:35am	Rob Crain (review) <i>The Processes that Shape Galaxies in Simulations</i> (30 min presentation + 5 min Q&A)
11:30am – 12:00pm	Martin Bureau (invited talk) <i>Connecting High and Low Redshift via Integral Field Surveys</i> (20 min presentation + 5 min Q&A)

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12:00pm – 12:15pm	David Wake <i>Connecting Galaxy Stellar Mass and Star Formation Rate to Dark Matter Halo Mass at $0.6 < z < 2$ using UltraVISTA, CANDELS and 3D-HST</i> (12 min presentation + 3 min Q&A)
12:15pm – 12:30pm	Rachel Cochrane <i>The Clustering of Star-Forming Galaxies across Cosmic Time with HiZELS</i> (12 min presentation + 3 min Q&A)
12:30pm – 2:00pm	Lunch <i>Exhibition Foyer</i>
Session XVI: Key Physical Process of Galaxy Formation Change with Cosmic Time (continued) Session Chair: Elaine Sadler	
2:00pm – 2:15pm	Adebusola Alabi <i>Mass Distribution and Dark Matter Halo Parameters of Early Type Galaxies</i> (12 min presentation + 3 min Q&A)
2:15pm – 2:30pm	Andrew Cole <i>Galaxy Transformation at the Faint End of the Luminosity Function: A Local Perspective</i> (12 min presentation + 3 min Q&A)
2:30pm – 2:45pm	Hector Ibarra <i>The Global and Local Stellar Mass Assembly Histories of Galaxies from the MaNGA Survey</i> (12 min presentation + 3 min Q&A)
2:45pm – 3:00pm	Christina Baldwin <i>Early-Type Galaxy Stellar Populations in the Near-Infrared</i> (12 min presentation + 3 min Q&A)
3:00pm – 3:15pm	Nicolas Scott <i>Extragalactic Archaeology with SAMI</i> (12 min presentation + 3 min Q&A)
3:15pm – 3:45pm	Conference Summary Karen Masters & Chris Power (30 mins)
3:45pm	CLOSE