

Programme

Conference Kick-off: Sunday, 17 February 2019

5:00 – 8:00pm	Conference Registration and Reception
Day 1: Monday, 18 February 2019	
9:00 – 9:30am	Opening Remarks by Fred Watson (DIIS) and Eric Emsellem (ESO)
9:30 – 9:55am	<i>Current/Future ESO/Australia surveys and instruments</i> IFS surveys and the synergy with ESO capabilities (Julia Bryant)
9:55 – 10:30am	Morning tea break
10:30 – 10:55am 10:55 – 11:20am 11:20 – 11:45am 11:45 – 12:10pm 12:10 – 12:25pm 12:25 – 12:30pm	<i>Current/Future ESO/Australia surveys and instruments</i> Unravelling Galaxy Evolution With The Next Generation of Redshift Surveys (Luke Davies) Wallaby Early Science Results (Lister Staveley-Smith) ESO's current and future instrumentation (Joel Vernet) Current and Future ESO surveys (Magda Arnaboldi) MAVIS: A new MCAO-Assisted Visible Imager and Spectrograph for the Very Large Telescope (Richard McDermid) Poster sparklers: Jessica Zheng & Connor Bottrell (2 min each)
12:30 – 1:30pm	Lunch
1:30 – 1:55pm 1:55 – 2:10pm 2:10 – 2:25pm 2:25 – 2:40pm 2:40 – 2:55pm 2:55 – 3:00pm	<i>Galaxy formation and evolution throughout cosmic time</i> Galaxy formation and evolution as seen by integral field spectroscopy (Scott Croom) Towards Understanding the Origin and Evolution of Ultra-Diffuse Galaxies (Remco van der Burg) Deciphering the Evolution of Galaxy Kinematics and Large Scale Structure Using Observed Lyman-alpha Relationships (Garry Foran) Exploring the fossil record of galaxy evolution in clusters: the intracluster light (Mireia Montes) An HSC view of the CMASS galaxy sample. Halo mass as a function of stellar mass, size and Sérsic index. (Alessandro Sonnenfeld) Poster sparklers: Michael Cowley & Visal Sok (2 min each)
3:00 – 3:30pm	Afternoon tea break
3:30 – 3:55pm 3:55 – 4:10pm 4:10 – 4:25pm 4:25 – 4:40pm 4:40 – 4:55pm 4:55 – 5:10pm	<i>Galaxy formation and evolution throughout cosmic time</i> Galaxy assembly, outflows and the evolution of disks with IllustrisTNG (Annalisa Pillepich) Spatially resolving star-forming regions within galaxies in a dense proto-cluster core at $z=2.53$ (Tomoko Suzuki) The formation of ultra-compact dwarf galaxies and their black holes in a cosmological simulation (Rebecca Mayes) Investigating the evolution of galaxies in groups using X-ray observations (Jacob Crossett) The Baleful Cloud of Numerics Covering Galaxy Formation Simulations (Aaron Ludlow) Exotic galaxies as tests for hydrodynamical simulations (Christoph Saulder)
Day 2: Tuesday, 19 February 2019	
9:00 – 9:25am 9:25 – 9:40am 9:40 – 9:55am 9:55 – 10:10am 10:10 – 10:25am 10:25 – 10:30am	<i>Galaxy formation and evolution in the early Universe</i> Galaxy Formation and Evolution in the Early Universe: A Radio Perspective (Nick Seymour) High resolution ALMA imaging of SMGs (Bitten Gullberg) Diffuse Ionised Gas in galaxies: connection to star formation and impact on measurements (Brent Groves) Connecting observations of the first galaxies and the Epoch of Reionisation (Simon Mutch) Early contributions from sub- L^* galaxies to the metals in CGM at $z>5$ (Gonzalo Diaz) Poster sparklers: Stuart Ryder & Ramona Augustin (2 min each)
10:30 – 11:00am	Morning tea break
11:00 – 11:25am 11:25 – 11:40am 11:40 – 11:55am 11:55 – 12:10pm 12:10 – 12:25pm 12:25 – 12:30pm	<i>Galaxy formation and evolution in the early Universe</i> Galaxy formation and evolution in the early universe (Michele Trenti) Massive quiescent galaxies at $z\sim 4$ (Karl Glazebrook) Constraining feedback models with Giant Ly-alpha nebulae at $z\sim 3$ (Gabriele Pezzulli) Hierarchical fragmentation in high redshift galaxies revealed by hydrodynamical simulations and strong gravitational lensing (Baptiste Faure) Jeans models in LEGA-C: rotational support at $0.6 < z < 1.0$ (Joshua van Houdt) Poster sparklers: Kirsty Butler & Mina Pak (2 min each)
12:30 – 1:30pm	Lunch
1:30 – 1:55pm 1:55 – 2:10pm 2:10 – 2:25pm 2:25 – 2:40pm	<i>Star formation</i> Star Formation and Gas in Galaxies (Baerbel Koribalski) An upclose view of turbulent, clumpy galaxies (Deanne Fisher) Disentangling galaxy formation through radial gradients (Francesco D'Eugenio) The importance of realism in image-based deep neural network classifications of interacting galaxies (Connor Bottrell)

2:40 – 2:55pm	Lessons Learned from the Definitive Spectral Atlas of Star-forming Galaxies at Cosmic Noon (Matthew Bayliss)
2:55 – 3:00pm	Poster sparklers: Yusuke Miyamoto & Robert Dzudzar (2 min each)
3:00 – 3:30pm	Afternoon tea break
	Star formation
3:30 – 3:55pm	Star formation (Chang-Goo Kim)
3:33 – 4:10pm	Electron density in different environments at redshift 1.6 (Anishya Harshan)
4:10 – 4:25pm	A widespread $H\alpha$ over the compact cold dust continuum in $z\sim 2$ dusty star-forming galaxies (Chian-Chou Chen)
4:25 – 4:40pm	MUSE reveals metal-enriched absorbers in the CGM of a radio galaxy at $z=2.9$ (Sthabile Kolwa)
4:40 – 4:55pm	The influence of galaxy morphology, shape and structure on the mean stellar population age and metallicity (Nic Scott)
4:55 – 5:10pm	A molecular view of the cosmic baryon cycle (Anne Klitsch)
Day 3: Wednesday, 20 February 2019	
	Enrichment of interstellar medium with metals and dust and their effect on star formation
9:00 – 9:25am	Properties of the interstellar medium and star formation in low-metallicity galaxies (Diane Cormier)
9:25 – 9:40am	Tracing the mass-metallicity relation of star-forming galaxies at high redshifts using GRB-selected galaxies (Maryam Arabsalmani)
9:40 – 9:55am	The chemical evolution carousel of spiral galaxies: a 3D view of ISM metallicity with PHANGS-MUSE and TYPHOON (I-Ting Ho)
9:55 – 10:10am	The gas-to-dust cycle in low metallicity dwarf galaxies using spatially resolved measurements (Sambit RoyChowdhury)
10:10 – 10:25am	AAO Data Central and your data (Simon O'Toole/Liz Mannering)
10:25 – 10:30am	Poster sparklers: Giulia Santucci & Hidenori Matsui (2 min each)
10:30 – 11:00am	Morning tea break
	Enrichment of interstellar medium with metals and dust and their effect on star formation
11:00 – 11:25am	Enrichment of ISM with metals and dust and their effect on star formation (Claudia Lagos)
11:25 – 11:40am	Where are the most ancient stars in the Milky Way today? (Joss Bland-Hawthorn)
11:40 – 11:55am	A VLT/MUSE analysis of $HeII\lambda 1640$ emitters at $z=2-4$ (Themiya Nanayakkara)
11:55 – 12:10pm	Using [CII] 158 micron Emission from Isolated ISM Phases as an Improved Star-Formation Rate Indicator (Jessica Sutter)
12:10 – 12:25pm	Investigating molecular gas at ~ 500 pc scales in a star forming disk galaxy at $z\sim 2$ (Drew Brisbin)
12:25 – 12:30pm	Poster sparklers: Sheona Urquhart, Paul-Frédéric Robert, & Sree Oh (2 min each)
12:30 – 1:30pm	Lunch
	Enrichment of interstellar medium with metals and dust and their effect on star formation
1:30 – 1:45pm	The MOSDEF Survey: Probing Resolved Stellar Populations at $z\sim 2$ using a New Bayesian-defined Morphology Metric (Tara Fetherolf)
1:45 – 2:00pm	PAHs trace the molecular gas in star-forming galaxies (Isabella Cortzen)
	Gas in/outflows
2:00 – 2:25pm	Gas Flows within the Circumgalactic Medium (Glenn Kacprzak)
2:25 – 2:40pm	A MUSE-ALMA view of the physics of star formation and feedback at high angular resolution in nearby galaxies (Rebecca McElroy)
2:40 – 2:55pm	Tracing the Milky Way outflow with the 21cm atomic hydrogen emission line (Enrico Di Teodoro)
2:55 – 3:00pm	Poster sparklers: AAO Data Central (5 min)
3:00 – 3:30pm	Afternoon tea break
	Gas in/outflows
3:30 – 3:45pm	Properties and Scaling Relations of Ionized Gas Outflows at $z\sim 1-3$ (Rebecca Davies)
3:45 – 4:00pm	Transition of gas accretion mode in proto-clusters at the cosmic noon (Tadayuki Kodama)
4:00 – 4:25pm	Inflows and outflows in cosmological simulations (Peter Mitchell)
4:25 – 4:40pm	Galactic chimney sweeping: the fate of gas in galaxies (Lilian Garratt-Smithson)
4:40 – 4:55pm	Galaxy morphology, quenching, and mergers in the cluster environment (Sree oh)
4:55 – 5:10pm	Outflows in $z\sim 6$ quasars (Flora Stanley)
5:10 – 5:25pm	Young stellar populations in the Antennae galaxies (Madusha Gunawardhana)
Day 4: Thursday, 21 February 2019	
	Gas in/outflows
9:00 – 9:15am	The MUSE+ALMA Haloes Survey (Aleksandra Hamanowicz)
9:15 – 9:30am	Galaxy Outflows in the Circumgalactic Medium at Cosmic Noon (Nikki Nielsen)
	Gas dynamics and stellar kinematics
9:30 – 9:55am	A 3D view of the intergalactic medium in fluorescent Ly-alpha emission (Sebastiano Cantalupo)
9:55 – 10:10am	Hi-KIDS: The HI KOALA IFS Dwarf galaxy Survey (Angel Lopez-Sanchez)
10:10 – 10:25am	Kinematics of low-mass galaxies at $0.6 < z < 3.5$ (Marianne Girard)
10:25 – 10:30am	Poster sparklers: Di Wang & Rebecca Brown (2 min each)

10:30 – 11:00am	Morning tea break
11:00 – 11:15am	Gas dynamics and stellar kinematics MUSEQuBES CGM Surveys: From Low-z Star-forming Galaxies to High-z Lyman-alpha Emitters (Sowgat Muzahid)
11:15 – 11:30am	Gas cycle in the innermost part of the Milky Way (Lucia Armillotta)
11:30 – 11:55am	Gas dynamics and stellar kinematics (Rhea-Silvia Remus)
11:55 – 12:10pm	Comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations (Jesse van de Sande)
12:10 – 12:25pm	Interacting Galaxies on FIRE-2: Effects on the ISM and Size Evolution (Jorge Moreno)
12:25 – 12:30pm	Sparkler: Homeward Bound women leadership project (5 min)
12:30 – 1:30pm	Lunch
1:30 – 1:45pm	Gas dynamics and stellar kinematics Local galaxy kinematics and dark matter content (Duncan Forbes)
1:45 – 2:00pm	An ALMA Study of Gas-Rich Galaxies in $z \sim 1.6$ Galaxy Clusters (Allison Noble)
2:00 – 2:25pm	Role of galaxy environments and mergers The role of mergers on galaxy evolution (Sara Ellison)
2:25 – 2:40pm	Impact of environment on molecular gas reservoirs probed in distant cluster and field galaxies (Helmut Dannerbauer)
2:40 – 2:55pm	LoCuSS: Galaxy properties in and around massive clusters at $z=0.2$ (Matteo Bianconi)
2:55 – 3:00pm	Poster sparklers: Tania Barone & John Kulick (2 min each)
3:00 – 3:30pm	Afternoon tea break
3:30 – 3:45pm	Role of galaxy environments and mergers From starburst to quiescence: post-starburst galaxies and their large-scale clustering over cosmic time (Aaron Wilkinson)
3:45 – 4:00pm	A3376 cluster-merger system: Impact of dynamic cluster environment on galaxy evolution (Kshitija Kelkar)
4:00 – 4:25pm	Role of galaxy environment and mergers (Yannick Bahe)
4:25 – 4:40pm	Spatially resolved star formation and metallicity profiles in post-merger galaxies from MaNGA (Mallory Thorp)
4:40 – 4:55pm	The environmental dependence of the star-forming main sequence at $1 < z < 1.5$ (Lyndsay Old)
7:00 – 10:30pm	Conference Dinner
Day 5: Friday, 22 February 2019	
9:00 – 9:15am	Role of galaxy environments and mergers The Effects of Diffuse Ionized Gas and Spatial Resolution on Metallicity Gradients (Henry Poetrodjojo)
9:15 – 9:30am	Mergers at high and low redshift: what massive star clusters tell us (Florent Renaud)
9:30 – 9:55am	Galaxy assembly and quenching Gas, star formation and quenching in galaxy clusters and groups (Bianca Poggianti)
9:55 – 10:10am	Compact star-forming galaxies, a stepping stone to quiescence at $z \sim 1-3$? (Emily Wisnioski)
10:10 – 10:25am	Passive galaxies census at $z \sim 3$ (Chiara D'Eugenio)
10:25 – 10:30am	Poster sparklers: Amir Ebadati Bazkiaei & Fergus Longbottom (2 min each)
10:30 – 11:00am	Morning tea break
11:00 – 11:25am	Galaxy assembly and quenching/Starbursts and AGN triggering mechanism Galaxy Quenching and Assembly: A Review (Peter Behroozi)
11:25 – 11:50am	Starbursts and AGN feedback (Martin Sparre)
11:50 – 12:05pm	Quenching of star-formation in cluster galaxies since $z \sim 1$ (Irene Pintos-Castro)
12:05 – 12:30pm	Starbursts and AGN triggering mechanism (Rodrigo Herrera-Camus)
12:30 – 1:30pm	Lunch
1:30 – 1:45pm	Starbursts and Active galactic nuclei triggering mechanism/Active galactic nuclei Feedback IllustriTNG simulations: Chemical pre-processing of star-forming cluster galaxies over the past 10 billion years (Anshu Gupta)
1:45 – 2:00pm	Structures of Dusty and AGN Host Galaxies (Yu-Yen Chang)
2:00 – 2:25pm	Impact of AGN on Massive Galaxy Evolution: Observational Signatures (Chris Harrison)
2:25 – 2:40pm	Clues on radio AGN feedback at high-redshift from deep radio surveys (Ivan Delvecchio)
2:40 – 2:55pm	What triggers high-redshift starbursts? New insights from their dust-attenuation (Antonello Calabrò)
2:55 – 3:10pm	AGN-driven ionized gas outflows are usually compact ($< 100pc$) - First systematic results from the Close AGN Reference Survey (Mainak Singha)
3:10 – 3:25pm	A systematic study of multi-phase gas outflows in AGN with the CARS survey (Bernd Husemann)
3:25 – 3:40pm	New evidence for (and against) maintenance-mode AGN feedback at $z=0-1$ (Ivana Barisic)
3:40 – 3:55pm	Star formation histories of $z \sim 1$ galaxies in Lega-C (Priscilla Chauke)
3:55 – 4:00pm	Closing Remarks
4:00 – 4:30pm	Afternoon tea break