

Ken Freeman 80th Birthday Conference

Monday 19 September

Start time	Welcome Wine Event
17:00 – 19:00	Lamont's Bishops House - https://lamonts.com.au/bishops-house/

Tuesday 20 September : The Milky Way and M31

Start time	Speaker	Title
08:00 REGISTRATION / CHECK-IN		
09:00	Prof. Anna Nowak	Acknowledgement of Country and UWA opening address
09:20	Peter Quinn	Workshop logistics announcements
Session 1 CHAIR: Gary Da Costa		
09:30	Joss Bland-Hawthorn	The corrugated disc in the Milky Way
09:55	Ana Bonaca	Orbital resonances in the Milky Way's disk and halo revealed by the H3 spectroscopic survey RRLs in GAIA DR3
10:20 MORNING TEA		
Session 2 CHAIR: Danail Obreschkow		
10:50	Ken Freeman	RRLs in GAIA DR3
11:15	Thomas Bensby	The definition of the Galactic thick disk
11:40	Sven Buder	Chronochemodynamics of Milky Way Stellar Populations with the GALAH Survey
12:05	Rosemary Wyse	Implications of the Old, Metal-Rich Milky Way
12:30 LUNCH		
Session 3 CHAIR: Joss Bland-Hawthorn		
13:30	Ioana Ciuca	The Great Galactic Dip: investigating the effect of mergers on the observed age-metallicity relation in the Milky Way disc
13:55	Matthias Steinmetz	RAVEing with Ken - and unravelling the formation history of the Milky Way
14:20	John Norris	The First Stellar Populations and the Astration of Lithium
14:45	Carl Grillmair	Extending Globular Cluster Tidal Streams
15:10 AFTERNOON TEA		
Session 4 CHAIR: Rosie Wyse		
15:40	Annette Ferguson	Galactic Accretion Histories beyond the Milky Way
16:05	Magda Arnaboldi	The survey of planetary nebulae in Andromeda (M 31) V. Chemical enrichment of the thin and thicker discs of Andromeda: Oxygen to argon abundance ratios for planetary nebulae and H II regions

16:30	Borja Anguiano	The Subaru Prime Focus Spectrograph Survey in the Milky Way and Local Group galaxies
<i>16:55</i>	<i>End day 1</i>	

Wednesday 21 September : Physical processes in galaxies and simulations I

Start time	Speaker	Title
Session 5 CHAIR: Martin Bureau		
09:00	Anna Frebel	Characterization of the metal-poor ATARI disk of the Milky Way
09:25	Brad Gibson	The Distribution of Stellar Ages in Galactic Halos
09:50	Elisabete da Cunha	Galaxy physical parameters from spectral modelling: recent successes and future challenges
10:15	MORNING TEA	
Session 6 CHAIR: Magda Arnaboldi		
10:45	Michael Hayden	The Chemical Evolution of the Milky Way
11:10	Ivan Minchev	Understanding galactic metallicity gradients
11:35	Matthew Wilkinson	Are simulated disk galaxies robust to collisional relaxation?
12:00	Gerhardt Meurer	Scaling Relations for HI-Selected Star Forming Galaxies
12:25	LUNCH	
Session 7 CHAIR: Claudia Lagos		
13:30	Annalisa Pillepich	Insights from the MW/M31-like galaxies of the TNG50 simulation
13:55	Diego Sotillo-Ramos	The merger and assembly histories of Milky Way- and M31-like galaxies with TNG50: thin disks can survive recent major mergers
14:20	Katy Proctor	The Intrahalo light as a probe of galaxy assembly
14:45	Yuan-Sen Ting	Galaxy Merger Reconstruction with Equivariant Graph Normalizing Flows
15:10	AFTERNOON TEA	
Session 8 CHAIR: Katy Proctor		
15:40	Jean Brodie	The Origin of Ultra Diffuse Galaxies: Challenging the galaxy formation paradigm
16:05	Martin Bureau	Probing the Invisible: Weighing Supermassive Black Holes with ALMA
16:30	Jayanne English	Now for something completely different - magnetic fields
16:55	Ray Carlberg	Globular Clusters and Dark Matter (sub) Halos
17:20	End day 2	
18:45-20:00	Garth Illingworth Public Lecture on JWST @ UWA Club Auditorium – REGISTER @ www.eventbrite.com.au/e/jwst-comes-to-life-garth-illingworth-university-of-california-santa-cruz-tickets-403842653247	

Thursday 22 September : Physical processes in galaxies and simulations II

Session 9 CHAIR: Lister Staveley-Smith		
09:00	Ortwin Gerhard	The Galactic Bar
09:25	Robert Benjamin	The ISM of the Milky Way Interior to the Bar
09:50	Amelia Fraser-McKelvie	All bar none: characterising the effect of bars on their host galaxies
10:15	MORNING TEA	
Session 10 CHAIR: Jayanne English		
10:45	Mike Fall	Formation of galaxies: clues from their angular momenta
11:10	Jennifer Hardwick	Understanding angular momentum scaling relations in the local universe
11:35	Lilian Garratt-Smithson	An investigation into the dark matter - galaxy angular momentum correlation
12:00	Matthew Colless	Spin-filament alignment flips are related to bulge assembly
12:25	LUNCH	
Session 11 CHAIR: Lars Hernquist		
13:30	Garth Illingworth	JWST's First Insights into Galaxy Formation and Growth
13:55	Aaron Ludlow	The challenge of simulating Milky Way-mass galaxies in cosmological volumes
14:20	Claudia Lagos	The formation of galaxy disks: what have we learnt from cosmological hydrodynamical simulations?
14:45	Neal Katz	Galaxy Formation Simulations: Problems and Answers
15:10	AFTERNOON TEA	
Session 12 CHAIR: Anna Frebel		
15:40	Danail Obreschkow	A Fresh Perspective on the Assembly of Mass
16:05	Kenji Bekki	A model for globular cluster formation with multiple stellar populations in the Galaxy
16:30	Lister Staveley-Smith	Dark Matter in Galactic Remnants and Dwarf Galaxies
16:55	End of conference	
19:00 -	Conference Dinner – Matilda Bay Resturant https://www.matildabayrestaurant.com.au/	

Friday 23 September is a free day.