

ASA 2020 schedule

Tuesday, 7 July: full day of student talks. Each talk is 15 minutes long (12 minutes talk, 3 minutes of questions). There will be two parallel sessions in virtual rooms 1 and 2. The start time is in Perth time (add 2 hours for Melbourne / Sydney / Brisbane).

The meeting will start at 9 AM Perth time (11 AM Melbourne/Sydney/Brisbane) on Tuesday, 7 July, with a brief welcome from ASA President Cathryn Trott, followed by separation into two rooms, with subsequent schedule as noted on the next two pages. The Tuesday sessions will end by 15:00 Perth time (17:00 East coast time).

Wednesday, 8 July: Prize talks and AGM.

Again, start at 9 AM Perth time (11 AM Melbourne/Sydney/Brisbane), finishing by 13:00 Perth time (15:00 East coast). The schedule appears on the last page.

The advertisement features a dark space background with a vibrant, multi-colored nebula or galaxy structure. On the left, a tablet displays the PASA logo and the text 'Publications of the Astronomical Society of Australia'. To the right, the ASA logo is shown with stars. The main text is in white, bold font, and the Cambridge University Press logo is in the bottom right corner.

PASA
Publications of the
Astronomical Society of Australia

Your ASA membership grants full access to read and download any articles from PASA

Sample collection: www.cambridge.org/PASA/SC

Sign up to receive e-mail content alerts at www.cambridge.org/PASA/alerts

 **CAMBRIDGE UNIVERSITY PRESS**

www.cambridge.org/PASA/SC

Tuesday, Room 1:

Session 1A. Chair: John Lattanzio		
9:05	Jessica Thorne	Using the SED-fitting code ProSpect to trace star formation in DEVILS
9:20	Alex Cameron	Spatially resolved direct method metallicities in the SAMI Galaxy Survey
9:35	Giulia Santucci	The SAMI Galaxy Survey: stellar population gradients of central galaxies
9:50	Sabine Bellstedt	Cosmic evolution of star formation and metallicity using the SED-fitting code ProSpect for the GAMA survey
10:05	Shannon Melrose	Understanding star formation through analysis of the N-PDF in the StarFISH CS(1-0) survey
10:20	Sam Vaughan	K-CLASH: Direct evidence of Environmental Quenching in massive clusters at $0.3 < z < 0.6$
Break: 10:35-11:00		
Session 1B. Chair: Daniel Zucker		
11:00	Arianna Dolfi	The formation history of the nearest field lenticular galaxy from its kinematics out to ~ 6 effective radii and the origin of its Ultra-Compact Dwarfs
11:15	Lara Cullinane	Exploring origins of stellar substructures in the Magellanic Periphery using 3D kinematics
11:30	Alec Thomson	SPICE-RACS: Spectra and Polarization In Cutouts of Extragalactic Sources from RACS
11:45	Chenoa Tremblay	Low-Frequency Continuum & Molecular Line Survey of the Vela and Puppis Constellations
12:00	Fiona Panther	A new constraint on the origin of Galactic Center positrons
12:15	John Alexander Pena Lopez	Venturing beneath a sea of cloud canopies: a short story about how tree diagrams allow us to understand the early stages of star formation.
Break: 12:30-13:00		
Session 1C. Chair: Barbara Catinella		
13:00	Robin Cook	The Role of Bulges Along and Across the Local Star-Forming Main Sequence
13:15	Matías Bravo	From luminosity functions to colour distributions: tackling the next challenge in cosmological simulations
13:30	Adam Watts	The impact of environment on the dynamics of gas reservoirs in galaxies
13:45	Lawrence Dam	Cosmology from peculiar velocities: more precision in the precision using a probabilistic framework
14:00	Philippa Patterson	A Low-Frequency Study of the Magellanic Clouds using the Murchison Widefield Array
14:15	Chris Riseley	Powering Restarted Giant Radio Galaxies: The High-Resolution Perspective from VLBI and Integral Field Spectroscopy
14:30	Adam Thomas	In a state of shock: Surprising and useful results from new MAPPINGS fast shock models
14:45	Patrick Yates	The interaction between radio jets and their host environments

Tuesday, Room 2:

Session 2A. Chair: Stuart Wyithe		
9:05	Nichole Barry	The Worldwide Pipeline Challenge: Harnessing MWA and LOFAR Epoch of Reionization Pipelines for the SKA
9:20	Yuanming WANG	Fast scintillators revealed by ASKAP
9:35	Joshua Pritchard	A circular polarisation survey for radio stars with ASKAP
9:50	Dougal Dobie	Radio Follow-up of Gravitational Wave Events
10:05	James Leung	A search for GRB radio afterglows with ASKAP
10:20	Ziteng Wang	Detecting prompt radio bursts from neutron star mergers with ASKAP
Break: 10:35-11:00		
Session 2B. Chair: Stas Shabala		
11:00	Daniele d'Antonio	A new eye on time domain in the era of SKA precursors and e-Rosita
11:15	Hao Qiu	A Bayesian approach for FRB pulse profile analysis
11:30	Cherie Day	High Time Resolution Spectral, Temporal, and Polarimetric Properties of ASKAP-localised Fast Radio Bursts
11:45	Cuiying Song	The study of magnetic black hole accretion disk as the central engine of gamma-ray burst
12:00	Marcus Lower	Wideband spectropolarimetry of the radio magnetar XTE J1810-197
12:15	Kathryn Ross	Unexpected Spectral Variability of AGN at Low Frequencies
Break: 12:30-13:00		
Session 2C. Chair: Ilya Mandel		
13:00	Arash Bahramian	MAVERIC survey: identifying exotic accreting binaries in Galactic globular clusters, hundreds at a time
13:15	Adelle Goodwin	Earliest multiwavelength observations of an accreting neutron star coming into outburst
13:30	Isobel Romero-Shaw	On the origin of GW190425
13:45	Moritz Hübner	Measuring gravitational-wave memory with LIGO/Virgo: Results from the third observing run
14:00	Simon Stevenson	The impact of pair-instability mass loss on the binary black hole mass distribution
14:15	Shanika Galaudage	Population properties of binary black holes: results from LIGO/Virgo Observing Run O3
14:30	Nandini Sahu	New Black Hole Mass Scaling Relations, Dependent on Galaxy Morphology and Further Associated with Galaxy Formation/Evolution Processes

Wednesday:

Session A. Chair: Cathryn Trott		
9:00 Introduction		
9:05		
	James Beattie	Bok Prize Talk (15+5)
9:25		
	Hayley Macpherson	Heisler Prize Talk (15+5)
9:45		
	Katie Auchettl	Webster Prize Talk (30+5)
10:20		
	JJ Eldridge	Green Prize Talk (30+5)
Break: 10:55-11:30		
Session B. Chair: Cathryn Trott		
11:30		
	AGM	
13:00		
Close of meeting		