

	<p>Tuesday morning</p> <p>*student talk ^JJSIAM/ANZIAM collaboration</p>				
7:30–8:20	LGBTIQA+ and Allies Breakfast on The Deck				
8:40–9:30	<p>Invited talk: Zakeri, Golbon Optimal investment and operation of green electricity systems (p26) <i>Chair: Matthew Tam</i></p>				
	<p>Upper North <i>Chair: D.Netherwood</i></p>	<p>Upper South <i>Chair: Roslyn Hickson</i></p>	<p>Lakeview <i>Chair: Judy Bunder</i></p>	<p>Business Centre <i>Chair: Simon Clarke</i></p>	<p>Summit Centre <i>Chair: Amie Albrecht</i></p>
9:40–10:00	<p>Kearney, Taylor* Enzyme kinetics simulation at the scale of individual particles (p75)</p>	<p>Le, Thao Agent-based modelling in the post-Omicron era of COVID-19 management (p83)</p>	<p>Peter, Malte Identification of microstructural information from macroscopic boundary measurements in linear elasticity (p104)</p>	<p>McGowan, Sean* Modal error analysis and prediction compensation for Earth system models (p90)</p>	<p>Bottema, Murk Information geometry for bats (p48)</p>
10:00–10:20	<p>Binder, Benjamin Modelling spatial growth pattern formation in yeast colonies (p48)</p>	<p>Sexton, Justin Weather or not? Exploring the impact of human movement and weather on dengue outbreaks in Pacific Island Countries (p110)</p>	<p>Saini, Babita Mathematical modelling of empirical correlations and validation of shear strength of high strength steel fibres reinforced concrete beams (p109)</p>	<p>Axelsen, Andrew* Hyperbolicity and southern climate dynamics (p44)</p>	<p>Newcombe, Alex Implementation aspects of passive geolocation (p98)</p>
10:20–10:40	<p>Li, Kai* Modelling of cylindrical yeast colony growth (p85)</p>	<p>Diao, Jiahao Effectiveness of isolating infected cases with low viral loads at different stages of outbreak (p55)</p>	<p>Kajiwara, Kenji^J A truss structure with mechanical optimality, integrability and artisticity (p74)</p>	<p>Kitsios, Vassili Data-driven and physics-constrained reduced order model of the global oceans (p78)</p>	<p>Oishi-Tomiyasu, Ryoko^J Packing theory derived from phyllotaxis and products of linear forms (p101)</p>
10:40–11:00	Morning tea on The Deck				

Tuesday morning (continued)					
*student talk [†] JSIAM/ANZIAM collaboration					
	Upper North <i>Chair: Mary Myerscough</i>	Upper South <i>Chair: Lewis Mitchell</i>	Lakeview <i>Chair: Malte Peter</i>	Business Centre <i>Chair: Robert Marangell</i>	Summit Centre <i>Chair: Sergiy Shelyag</i>
11:00–11:20	Hancock, Edward Mechanisms of plateau formation for oscillations in lymphatic muscle cells (p65)	Kollepara, Pratyush* Heterogeneity in network structure switches the dominant transmission mode of infectious diseases (p78)	Aljabri, Rehab* Time-dependent vibrations of an ice shelf (p41)	Lapuz, Timothy* A multiple time scale analysis of an immunogenic tumour model (p81)	O’Kane, Terence1 Realizable Markovian closures for anisotropic and inhomogeneous turbulent flows (p100)
11:20–11:40	Ndenda, Joseph A mathematical model for the role of smooth muscle cells phenotype switching in atherosclerotic plaque (p96)	Abell, Isobel* Modelling the spread of varroa mite on a network of European honeybee hives (p40)	Alberello, Alberto Dynamics of nonlinear water waves in dissipative media (p41)	Groothuizen Dijkema, David* Switching near heteroclinic networks as a piecewise-smooth dynamical system (p64)	Li, Dan Forecasting climate change impacts on the production of crops key to food security (p84)
11:40–12:00	Filippini, Luke* Surrogate models for diffusive transport in radially-symmetric media (p58)	Isaac, Zac* Modelling light presented to the human fetus using Monte Carlo simulations (p71)	Liang, Jie* Pan-Antarctic assessment of ocean wave induced flexural stresses on ice shelves (p85)	Moolchand, Prannath Understanding the active metabolic oscillatory subsystem in pancreatic beta cells using geometric singular perturbation techniques. (p93)	Groom, Michael Data-driven prediction of the El Niño–Southern Oscillation using entropy-optimal Scalable Probabilistic Approximations (p63)
12:10–1:00	Invited talk: Bennetts, Luke Of ocean waves and ice shelves (p20) <i>Chair: TBA</i>				
1:00–2:00	Lunch on the Upper Level				
1:00–2:30	WIMSIG Lunch on The Deck				
7:30–8:30	ANZIAM AGM in Upper North and Upper South				