

	Colombo Theatre A			Colombo Theatre B			Colombo Theatre C		
Time	Speaker	Title	Area	Speaker	Title	Area	Speaker	Title	Area
Session 1	Session Chair: Joshua Graham			Session Chair: Amuchechukwu Ibenegbu			Session Chair: Agus Soenjaya		
9:30	Dani Czapski	Freeing Kruglov's operator	Pure		TBC		Andrew Zhang	Interpretable credit risk modelling using XGB methods in feature engineering.	Stats
9:50	Muhammad Afiffurahman	How to count 2x2 matrices	Pure	Samuel Mason	Spatio-temporal Species Distribution Modelling	Stats	Daniel Chee	Entropy regularized reflected BSDEs for American and Bermudan options	Stats
10:10	Siddharth Iyer	Gaps between quadratic forms	Pure	Shaoquin Huang	Model-based assessment of functional and phylogenetic diversity	Stats	Jiarui Zhao	Pricing of European options in a periodic regime-switching model.	Stats
10:30	Blair Butler	An elliptic curve with field of definition of degree 829,440	Pure	Farwa Saleem	Simulation-based inference about variance components	Stats	Yu Zhang	A Fixed-Point Theory Approach to the Radiating Fin Problem	Applied
10:50-11:20	Morning Tea								
Session 2	Session Chair: Dani Czapski			Session Chair: Farwa Saleem			Session Chair: Kabir Agrawal		
11:20	Victor Zhang	A Diagram Calculus for a few Type-A Lusztig-Vogan Categories	Pure	Shenghan Gao	Tempered Gaussian Noise for Score-Based Generative Modeling	Stats	Hongzhi Liao	Facial Structure on SONC cone	Applied
11:40	Daniel Dunmore	Categorification and the Lusztig-Vogan Module	Pure	Yiyi Ma	Estimating Scaling and Dependence Parameters in Spatial Conditional Extremes	Stats	Wenky Wang	The Bounded-SOS+SONC Hierarchy for Polynomial Optimization	Applied
12:00	Thomas Dunmore	Some Results on Modules Over Near-Groups	Pure	Zelong Bi	Manifold Dimension Estimation: Principles and Practice	Stats	Agus Leonardi Soenjaya	Energy-stable numerical approximations of a micromagnetic model at elevated temperatures	Applied
12:20	Dominic Matan	Classifying algebraic surfaces	Pure	Mst Bithi Akter	Discrete Copula Regression Models	Stats	Noah Vinod	Error Estimates for a Finite Element Scheme for the Ferromagnetic Magnetohydrodynamical Model	Applied
12:40-13:40	Lunch								
Session 3	Session Chair: Chip Corrigan			Session Chair: Jason Lambe			Session Chair: Queenie Huang		
13:40	Leyao Zha	Steenrod operation in equivariant motivic cohomology	Pure	Samudra Lamahewage	Reinforcement Learning for Stochastic Evolutionary Game Analysis in E-Waste Industry.	Stats	Reg Dowse	New Geometric-Based Elliptical Streamfunction Modelling (ESM) methods for detection ocean eddies	Applied
14:00	Joshua Graham	C_2-equivariant etale motivic cohomology	Pure	Amuchechukwu Ibenegbu	Bayesian Enhancement of MICE for Time Series Imputation Using MCMC Sampling	Stats	Kabir Agrawal	Predictability of ocean currents	Applied
14:20	Patrick Donovan	Symmetries of Riemannian manifolds near cylinders	Pure	Rick Ren	A Multimodal Deep Learning Framework for Hollywood Movie Understanding, Generation, and Interaction	Stats	Boris Huang	First passage times for superdiffusive processes	Applied
14:40	Nye Taylor	Counting Via Containers	Pure	Kevin Pan	Rate Guarantees for recovery of latent space distances	Stats	Joshua Connor	Experimental and numerical studies of internal wake waves from submerged moving sources	Applied
15:00	Hopein Christofen Tang	The existence of Plotkin-optimal linear codes over Z4	Pure	Mehreen Afzaal	Meta-analysis using order statistics	Stats	Nicholas Peters	Computational Methods for Approximating the Transfer Operator for Dynamical Systems	Applied
15:20-15:50	Afternoon Tea								
	Colombo Theatre A: Plenaries and Closing Ceremony								
Plenaries	Plenary Chair: Dominic Matan								
15:50		Queenie Huang		Piecewise sum-of-squares-convex moment optimisation				Applied	
16:10		Chip Corrigan		Primes in sparse sequences				Pure	
16:30		Jason Lambe		Parameter inference for the Hawkes process with incomplete information				Stats	
16:50	Introductions from T1 and T2 starting students: Fisher, Hadden, Nakhl, Paget, Zha, Agrawal, Huang, Matan., Ren, Saleem, Taylor								
17:10	Prizes, acknowledgment of country, close.								
17:30	Reception								