

School of Mathematics and Statistics
Research Day 1st December 2022
Talks in Theatre C; posters, food and drinks in 1A

09:45	David	Dritschel	What's a cloud?
10:00	Amlan	Banaji	Metric spaces where geodesics are never unique
10:15	Lindesay	Scott-Hayward	Understanding animal ecology and impact assessment
10:30	Tom	Elsden	Computational modelling of ultra-low frequency waves in Earth's magnetosphere
10:45	Rosemary	Bailey	Latin squares in higher dimensions

11.00-11.30: coffee + posters

11:30	Sophie	Huczynska	Combinatorics in Information Security
11:45	Nicolò	Margaritella	Bayesian models for neuroscience and beyond
12:00	Jack	Reid	Nanoflares to solar flares: self-similar solutions to the coronal heating problem
12:15	Rachel	Sippy	Agent Based Models for Understanding Drivers of Antimicrobial Resistance in East Africa
12:30	Jean	Reinaud	Thomson's rings of vortices in generalised Euler's dynamics
12:45	James	Mitchell	Solving the unsolvable

13.00 - 14.00: lunch

14:00	Scott	Harper	Generating sets for Thompson groups
14:15	Thomas	Neukirch	Can one construct a potential function from a single known trajectory?
14:30	Alison	Johnston	Separating the signal from the bias: statistics for citizen science data
14:45	Alex	Stewart	How fast should you move in order to break things?
15:00	Jon	Fraser	From fractals to finite fields via Fourier transforms
15:15	Isobel	Falconer	Colin Maclaurin and the good seeking forces of mind
15:30	Louis	Theran	Geometry of Maximum Likelihood Estimation in Gaussian graphical models
15:45	Mark	Chaplain	Inappropriate Growth and Bad Form: Pattern Formation and the Art of Mathematical Oncology

16:00: Drinks and nibbles