Thursday 15th July 2021			
9:00-9:20	Welcome session and group photo (Zoom link 1)		
9:25-9:50	Dimensions and Deformation of elliptical polynomial spirals Stuart Burrell (Zoom link 1)	A class of increasing homeomorphism groups naturally isomorphic to diagram groups Liam Stott (Zoom link 2)	Colour-bias Hamilton cycles in dense graphs Andrea Freschi (Zoom link 3)	Mathematical analysis of feedback requirements for planar polarisation Eman Alwani (Zoom link 4)
9:55-10:20	Iterative periodic functions and their generalization Marc Homs Dones (Zoom link 1)	Generalized polygons and star graphs of cyclic presentations of groups Ihechukwu Chinyere (Zoom link 2)	On Hamilton Cycles in Kneser Graphs Namrata (Zoom link 3)	Mathematical Models and Uncertainty Quantification for Alzheimer's Disease Pavan Chaggar (Zoom link 4)
10:25-10:55	Research group networking session (Zoom link 1)		
11:00-11:55	Simplicity of Nekrashevych algebras of contracting self-similar groups Nóra Szakács (Plenary speaker) (Zoom link 1)		Deep Tensor Train Approximations of High-Dimensional Functions Sergey Dolgov (Plenary speaker) (Zoom link 4)	
	Coffee break		
12:10-12:35	Stochastic Billiards with Markovian reflection in generalized parabolic domains Conrado da Costa (Zoom link 1)	Why are the p-adic integers like the Cantor set? Alberto Cobos (Zoom link 2)	Distances to Lattice Points in Rational Polyhedra Aled Williams (Zoom link 3)	Shape mode oscillation of bubbles near a rigid boundary Callan Corbett (Zoom link 4)
12:40-13:05	Longest Common Subsequence of Random Permutations Slim Kammoun (Zoom link 1)	Correlations of almost primes Natalie Evans (Zoom link 2)	T-duality: the Hypersimplex and the Amplituhedron Matteo Parisi (Zoom link 3)	Developing hybrid continuum-discrete methods to study chemical dynamics in bacterial biofilms Connah Johnson (Zoom link 4)
	Lunch break		
14:20-14:45	Real forms of complexified dynamics Philip Arathoon (Zoom link 1)	Axial algebras Yunxi Shi (Zoom link 2)	The Ramsey number for 4-uniform tight cycles Vincent Pfenninger (Zoom link 3)	Numerical Solutions for the Skyrme Model Paul Leask (Zoom link 4)
14:50-15:15	The Muller-Schupp Theorem for special monoids Carl-Fredrik Nyberg Brodda (Zoom link 1)	A brief introduction to preprojective algebras Davide Morigi (Zoom link 2)	Matchings in k-partite k-graphs Candida Bowtell (Zoom link 3)	Genealogy and spatial distribution of the N-particle branching random walk with polynomial tails Zsófia Talyigás (Zoom link 4)
	Coffee break		
15:30-16:25	Dyadic approximation in the middle-third Cantor set Demi Allen (Plenary speaker) (Zoom link 1)		Applications of matroids to auction theory Benjamin Smith (Plenary speaker) (Zoom link 4)	

Friday 16th July 2020			
9:25-9:50	Eigenvalue asymptotics for multi-variable Hankel operators Christos P: Tantalakis (Zoom link 1)	Picard groups of blocks and open conjectures Cesare Giulio Ardito (Zoom link 2)	Twin-free k-uniform hypergraphon Nawaf Alsowait (Zoom link 3)	Simultaneous evolution of host resistance and tolerance to parasitism Prerna Singh (Zoom link 4)
9:55-10:20	Dynamical Borel-Cantelli lemmas of interval maps Surabhi Desai (Zoom link 1)	Blocks of Ariki-Koike algebras Alice Dell'Arciprete (Zoom link 2)	Outerspatial 2-complexes: Extending the class of outerplanar graphs to three dimensions Tsvetomir Mihaylov (Zoom link 3)	Evolutionarily stable aposematic signalling in prey-predator systems Alan Scaramangas (Zoom link 4)
10:25-10:55	Networking shuffle (Zoom link 1)		
11:00-11:55	Tight cycles in hypergraphs Shoham Letzter (Plenary speaker) (Zoom link 1)		Bio-Inspired Turbulent Noise Control Lorna Ayton (Plenary speaker) (Zoom link 4)	
	Coffee break		
12:10-12:35	Revivals for linear Schrödinger and Airy equations on a finite interval George Farmakis (Zoom link 1)	Modelling conflicting individual preference: target sequences and graph realizations Raneem Aizouk (Zoom link 2)	Holomorphic and Quasiregular dynamics Athanasios Tsantaris (Zoom link 3)	Data-driven discovery of physical laws with human-understandable deep learning Nicolas Boullé (Zoom link 4)
12:40-13:05	Iterated chromatic localization Nicola Bellumat (Zoom link 1)	Total positivity of the Eulerian triangle: A big generalisation of Brenti's conjecture Bishal Deb (Zoom link 2)	Polynomials with the same Mahler Measure Joshua Coyston (Zoom link 3)	Spatial networks and topological data analysis in blood vessels Sebastian Gilbert (Zoom link 4)
	Lunch break		
14:20-14:45	The Applications of EDF's and SEDF's to AMD codes Laura Johnson (Zoom link 1)	sl2-triples in classical Lie algebras over fields of positive characteristic Rachel Pengelly (Zoom link 2)	Trees in tournaments Alistair Benford (Zoom link 3)	
14:50-15:15		Notes of the Tits Alternative for Cyclically Presented Groups of Positive Word Length Four Shaun Isherwood (Zoom link 2)	Path decompositions of tournaments Bertille Granet (Zoom link 3)	
	Coffee break		
15:30-17:00	"Pursuing a career in academia" panel session and closing remarks (Zoom link 1)		