Tuesday July 2, 2024

18:00 - 19:00	Welcome reception and registration (Philosophers' Courtyard of the main university building)

Wednesday July 3, 2024

8:00 - 9:00	Registration (Venue, Architecture School)
9:00 - 9:30	Opening (room B)
9:30 - 10:30	Invited talk (room B): Graph universality *Julia Böttcher*
10:30 - 11:00	Coffee break (room C)

	Session 1.A (room A)	Session 1.B (room B)
11:00 - 11:20	Regular polytopes, sphere packings and Apollonian sections *Iván Rasskin*	The Four-Color Ramsey Multiplicity of Triangles. *Aldo Kiem, Sebastian Pokutta and Christoph Spiegel*
11:20 - 11:40	A covering problem for zonotopes and Coxeter permutahedra *Gyula Károlyi*	Disconnected common graphs via supersaturation *Jae-Baek Lee and Jonathan Noel*
11:40 - 12:00	On the sum of several finite subsets in R^2 *Mario Huicochea, René González-Martínez, Amanda Montejano and David Suárez*	Limit theorems for the Erdős-Rényi random graph conditioned on being a cluster graph *Marc Noy, Martijn Gösgens, Lukas Lüchtrath, Elena Magnanini and Élie de Panafieu*
12:00 - 12:20	Classification of Edge-to-edge Monohedral Tilings of the Sphere *Hoi Ping Luk, Ho Man Cheung and Min Yan*	Random lifts of very high girth and their applications to frozen colourings *Guillem Perarnau and Giovanne Santos*
12:20 - 12:30	Short break	

	Session 2.A (room A)	Session 2.B (room B)
12:30 - 12:50	Bicolored point sets admitting non-crossing alternating Hamiltonian paths *Jan Soukup*	The flexibility among 3-decompositions *Irene Heinrich and Lena Volk*
12:50 - 13:10	Three-term arithmetic progressions in two-colorings of the plane *Gabriel Currier, Kenneth Moore and Chi Hoi Yip*	Expressing the coefficients of the chromatic polynomial in terms of induced subgraphs: a systematic approach *Kerri Morgan and Lluis Vena*
13:10 - 13:30	The algorithmic fried potato problem in two dimensions *Francisco Criado Gallart and Francisco Santos Leal*	d-regular graph on n vertices with the most k-cycles *Arturo Ortiz San Miguel and Gabor Lippner*
13:30 - 15:30	Lunch (self-arranged)	
15:30 - 16:30	Invited talk (room B): Counting polytopes *Arnau Padrol*	
16:30 - 17:00	Coffee break (room C)	
17:00 - 18:00	Poster session	

Thursday July 4, 2024

9:00 - 10:00	Invited talk (room B): Recent work on the Erdős-Hajnal Conjecture *Alex Scott*	
10:00 - 10:10	Short break	
	Session 3.A (room A)	Session 3.B (room B)
10:10 - 10:30	The weight spectrum of the Reed-Muller codes RM(m−5,m) *Claude Carlet*	Separating Cycle Systems *Fábio Botler and Tássio Naia*
10:30 - 10:50	Geometric quasi-cyclic low density parity check codes *Simeon Ball and Tomàs Ortega*	Switching methods for the construction of cospectral graphs *Aida Abiad, Nils van de Berg and Robin Simoens*
10:50 - 11:20	Coffee break (room C)	
	Session 4.A (room A)	Session 4.B (room B)
11:20 - 11:40	Computing edge-colored ultrahomogeneous graphs *Irene Heinrich, Eda Kaja and Pascal Schweitzer*	Ranges of polynomials control degree ranks of Green and Tao over finite prime fields *Thomas Karam*
11:40 - 12:00	Multi-objective Linear Integer Programming based in Test Sets *José María Ucha, María Isabel Hartillo and Haydee Jiménez*	A short proof of an inverse theorem in bounded torsion groups *Pablo Candela, Diego Gonzalez-Sanchez and Balázs Szegedy*
12:00 - 12:20	Integer programs with nearly totally unimodular matrices: the cographic case *M. Aprile, S. Fiorini, G. Joret, S. Kober, M.T. Seweryn, S. Weltge and Y. Yuditsky*	Enumeration of unlabelled chordal graphs with bounded tree-width *Jordi Castellví and Clément Requilé*
12:20 - 12:30	Short break	
	Session 5.A (room A)	Session 5.B (room B)
12:30 - 12:50	On a conjecture concerning the roots of Ehrhart polynomials of symmetric edge polytopes from complete multipartite graphs *Max Kölbl*	On homogeneous matroid ports *Jaume Martí-Farré and Anna de Mier*
12:50 - 13:10	On Ewald's and Nill's Conjectures about smooth polytopes *Luis Crespo Ruiz, Álvaro Pelayo and Francisco Santos*	Complexity measures of trilean functions *Sara Asensio, Ignacio García-Marco and Kolja Knauer*
13:10 - 13:30	Polytope Neural Networks *Juan L. Valerdi*	The Borsuk number of a graph *José Cáceres, Delia Garijo, Alberto Marquez and Rodrigo Silveira*
13:30 - 15:30	Lunch (self-arranged)	
15:30 - 16:30	Invited talk (room B) Ramon Llull prize. TBA	
16:30 - 17:00	Coffee break (room C)	
17:00 - 18:00	Business meeting (room B)	
19:00 - 19:45	Guided tour (Colegio de San Ildefonso, main university building)	
20:30 - . . .	Gala dinner (Parador de Alcalá de Henares)	

Friday July 5, 2024

	Session 6.A (room A)	Session 6.B (room B)
9:30 - 9:50	Creating trees with high maximum degree *Grzegorz Adamski, Małgorzata Bednarska-Bzdęga, Sylwia Antoniuk, Dennis Clemens, Fabian Hamann and Yannick Mogge*	Product representation of perfect cubes *Zsigmond György Fleiner, Márk Hunor Juhász, Blanka Kövér, Péter Pál Pach and Csaba Sándor*
9:50 - 10:10	Speed and size of dominating sets in domination games *Ali Deniz Bagdas, Dennis Clemens, Fabian Hamann and Yannick Mogge*	An Approximate Counting Version of the Multidimensional Szemerédi Theorem *Natalie Behague, Joseph Hyde, Natasha Morrison, Jonathan Noel and Ashna Wright*
10:10 - 10:30	Extending the Continuum of Six-Colorings *Konrad Mundiger, Sebastian Pokutta, Christoph Spiegel and Max Zimmer*	Rainbow connectivity of multilayered random geometric graphs *Josep Diaz, Oznur Yasar Diner, Maria Serna and Oriol Serra*
10:30 - 10:50	Betti numbers of monomial curves *Ignacio García Marco, Philippe Gimenez and Mario González-Sánchez*	Increasing paths in the temporal stochastic block model *Sofiya Burova, Gabor Lugosi and Guillem Perarnau*
10:50 - 11:20	Coffee break (room C)	
	Session 7.A (room A)	Session 7.B (room B)
11:20 - 11:40	On additive codes over finite fields *Simeon Ball, Michel Lavrauw and Tabriz Popatia*	Bounding the balanced upper chromatic number *Gabriela Araujo-Pardo, Silvia Fernández-Merchant, Adriana Hansberg, Dolores Lara, Amanda Montejano and Déborah Oliveros*
11:40 - 12:00	On the solutions of linear systems over additively idempotent semirings *Alvaro Otero Sanchez, Daniel Camazón Portela and Juan Antonio López Ramos*	A canonical van der Waerden theorem in random sets *José D. Alvarado, Yoshiharu Kohayakawa, Patrick Morris, Guilherme O. Mota and Miquel Ortega*
12:00 - 12:20		Rainbow loose Hamilton cycles in Dirac hypergraphs *Amarja Kathapurkar, Patrick Morris and Guillem Perarnau*
12:30 - 13:30	Invited talk (room B) Coboundary expansion, codes, and agreement tests *Irit Dinur*	