

## Wednesday, June 27

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|-------------|---|--|
| 8:00-9:00   | REGISTRATION  |  |
| 9:00-9:15   | OPENING OF THE CONFERENCE by the Rector of the University of Seville<br>(Main Room: "Salón de Grados")  |  |
| 9:15-10:15  | Invited talk: Sergio Cabello<br><a href="#">Interactions between geometry and graphs</a><br>(Main Room: "Salón de Grados")  |  |
| 10:15-10:45 | COFFEE BREAK  |  |
|             | ROOM A1.10  | ROOM A1.14   |
| 10:45-11:45 | <p>Tobias Müller and Marc Noy. <a href="#">The first order convergence law fails for random perfect graphs</a></p> <p>Jie Han, Yoshiharu Kohayakawa, and Yury Person. <a href="#">Near-perfect clique-factors in sparse pseudorandom graphs</a></p> <p>Pietro Codara and Ottavio M. D'Antona. <a href="#">Dyck-Eulerian digraphs</a></p>                                      | <p>David Gryniewicz. <a href="#">Iterated Sumsets and Olson's Generalization of the Erdos-Ginzburg-Ziv Theorem</a></p> <p>Marthe Bonamy, Nicolas Bousquet, and Guillem Perarnau. <a href="#">Frozen colourings of bounded degree graphs</a></p> <p>Mario Huicochea. <a href="#">Sums of finite subsets in <math>R^d</math></a></p>   |
| 11:45-12:00 | SHORT BREAK   |  |
|             | ROOM A1.10  | ROOM A1.14   |
| 12:00-13:00 | <p>Jesús Lacalle and Luis Miguel Pozo Coronado. <a href="#">Variance of the sum of independent random variables in spheres</a></p> <p>Bart Litjens, Sven Polak, Bart Sevenster, and Lluís Vena. <a href="#">On the chromatic number of a subgraph of the Kneser graph</a></p> <p>Jan Bok and Jaroslav Nešetřil. <a href="#">Graph-indexed random walks on pseudotrees</a></p> | <p>Atsuhiko Nakamoto, Gen Kawatani, Naoki Matsumoto, and Jorge Urrutia. <a href="#">Geometric quadrangulations on a polygon</a></p> <p>Konstantinos Papalamprou. <a href="#">On characterizing the extreme points of the generalized transitive tournament polytope</a></p> <p>Elena Cabrera, María José Chávez, and Alberto Márquez. <a href="#">The Fortress Problem in Terms of the Number of Reflex and Convex Vertices. A 3D objects scanning application</a></p> |
| 13:00-14:30 | LUNCH   |  |
| 14:30-15:30 | Invited talk: Julia Wolf<br><a href="#">Recent developments in graph and arithmetic regularity</a><br>(Main Room: "Salón de Grados")  |  |
| 15:30-16:00 | COFFEE BREAK  |  |
| 16:00-16:30 | <a href="#">POSTER SESSION</a>  |  |
|             | ROOM A1.10  | ROOM A1.14   |
| 16:30-17:10 | <p>Simeon Ball and Bence Csajbók. <a href="#">On Segre's Lemma of Tangents</a></p> <p>Javier Cilleruelo, Oriol Serra, and Maximilian Wötzel. <a href="#">Set systems with distinct sumsets</a></p>  | <p>Eiran Danan, Raúl Falcón, Dani Kotlar, Trent Marbach, and Rebecca Stones. <a href="#">Two-line graphs of partial Latin</a></p> <p>Andrew Vince and Michael Barnsley. <a href="#">Self-Similar Polygonal Tiling</a></p>  |

## Thursday, June 28

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| 9:00-10:00  | <p style="text-align: center;">Invited talk: Albert Atserias<br/> <a href="#">Limits of Linear and Semidefinite Relaxations for Combinatorial Problems</a><br/>                     (Main Room: "Salón de Grados")</p> |  |
| 10:00-10:30 | COFFEE BREAK   |  |
|             | ROOM A1.10   | ROOM A1.14   |
| 10:30-11:30 | Alfredo Hubard and Arnau Padrol. <a href="#">Stabbing convex subdivisions with k-flats</a>   | Rocío González-Díaz, Miguel A. Gutiérrez-Naranjo, and Eduardo Paluzo-Hidalgo. <a href="#">Representative datasets for neural networks</a>  |
|             | Guillermo Esteban, Clemens Huemer, and Rodrigo Silveira. <a href="#">New results on production matrices for geometric graphs</a>   | Nieves Atienza, Rocío González-Díaz, and Manuel Soriano-Trigueros. <a href="#">A new entropy based summary function for topological data analysis</a>                                |
|             | Rui Duarte and António Guedes de Oliveira. <a href="#">Hyperplane arrangements: between Shi and Ish</a>  | Alberto Espuny Díaz and Oriol Serra. <a href="#">Entropy versions of additive inequalities</a>   |
| 11:30-11:45 | SHORT BREAK  |  |
|             | ROOM A1.10   | ROOM A1.14   |
| 11:45-12:45 | Juanjo Rué and Christoph Spiegel. <a href="#">On a problem of Sárközy and Sós for multivariate linear forms</a>  | Luis Boza, M. Pastora Revuelta, and M. Isabel Sanz. <a href="#">A general lower bound on the weak Schur number</a>   |
|             | José Aliste-Prieto, José Zamora and Anna de Mier. <a href="#">On graphs with the same restricted U-polynomial and the U-polynomial for rooted graphs</a>   | Xavier Molinero, Fabián Riquelme, and María Serna. <a href="#">Satisfaction and Power in Unanimous Majority Influence Decision Models</a>  |
|             | Mariusz Grech and Andrzej Kisielewicz. <a href="#">2-closed abelian permutation groups</a>   | Víctor Álvarez, José Andrés Armario, María Dolores Frau, Félix Gudiel, María Belén Güemes, Elena Martín and Amparo Osuna. <a href="#">GA Based Robust Blind Digital Watermarking</a> |
| 12:45-13:00 | GROUP PHOTO  |  |
| 13:00-14:30 | LUNCH  |  |
|             | ROOM A1.10   | ROOM A1.14   |
| 14:30-15:30 | Silvia Gago. <a href="#">Kirchhoff index of the connections of two networks by an edge</a>   | Carlos Marijuán and Miriam Pisonero. <a href="#">On spectra of weighted graphs of order <math>\leq 5</math></a>  |
|             | Óscar Iglesias-Valiño and Francisco Santos. <a href="#">The complete classification of empty lattice 4-simplices</a>   | Yulia Kempner and Vadim Levit. <a href="#">Krein-Milman Spaces</a>   |
|             | Javier Rodrigo and M <sup>a</sup> Dolores López. <a href="#">An improvement of the lower bound on the maximum number of halving lines in planar sets with 32 points</a>  | Juanjo Rué, Dimitrios Thilikos, and Vasiliki Velona. <a href="#">Structure and Enumeration of K4-free links and link diagrams</a>  |

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| 15:30-16:00 | COFFEE BREAK                                      |
| 16:00-17:00 | BUSINESS MEETING                                  |
| 18:30-19:30 | VISIT to <a href="#">“El Alcázar”</a>             |
| 20:30       | CONFERENCE DINNER at <a href="#">“Río Grande”</a> |

**Friday, June 29**

|             |  |   |
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| 09:30-10:30 | Invited talk: Andrea Scozzari<br><a href="#">Uniform partition of graphs: Complexity results, algorithms and formulations</a><br>(Main Room: “Salón de Grados”)  |   |
| 10:30-11:00 | COFFEE BREAK   |   |
|             | ROOM A1.10   | ROOM A1.14  |
| 11:00-12:00 | Encarnación Abajo, Camino Balbuena, and Manuel Bendala. <a href="#">Elliptic semiplanes and regular graphs with girth 5</a><br><br>Aida Abiad. <a href="#">A characterization of weight-regular partitions of graphs</a><br><br>Pedro Martín and Diego Yáñez. <a href="#">Some clustering algorithms in normed planes</a>            | Vadim Levit and Eugen Mandrescu. <a href="#">Graph Operations Preserving W2-Property</a><br><br>Santiago Canales, Irene Castro, and Gregorio Hernández. <a href="#">Combinatorial bounds on paired and multiple domination in triangulations</a><br><br>Gonzalo Fiz Pontiveros, Roman Glebov, and Ilan Karpas. <a href="#">Virtually Fibered Random Right-Angled Coxeter Groups</a> |
| 12:00-12:10 | SHORT BREAK  |   |
|             | ROOM A1.10   | ROOM A1.14  |
| 12:10-12:50 | Shunsuke Nakamura, Yoshimi Egawa, and Keiko Kotani. <a href="#">Edges incident with a vertex of degree greater than four and a lower bound on the number of contractible edges in a 4-connected graph</a><br><br>Mariusz Grech and Andrzej Kisielewicz. <a href="#">Cyclic Automorphism Groups of Graphs and Edge-Colored Graphs</a> | Justo Puerto, Federica Ricca, and Andrea Scozzari. <a href="#">Some results on the reliability of multiple path-shaped facility location on networks</a><br><br>Justo Puerto and Moisés Rodríguez-Madrena. <a href="#">A discretization result for some optimization problems in framework spaces with polyhedral obstacles and the Manhattan metric</a>                            |
| 12:50-14:30 | LUNCH  |   |