



09:00–09:30	Registration & Opening
09:30–10:30	Joachim Rosenthal — Computer Algebra Challenges related to Post-Quantum Cryptography Sala de Conferencias, ground floor
10:30–11:00	Coffee Break
11:00–13:00	Parallel Sessions (Morning) Session A (Sala de Conferencias, ground floor)
11:00–11:30	C. D’Andrea: Toric Euler-Jacobi vanishing theorem and zeros at infinity
11:30–12:00	J. Hurtado Moreno: Bounds for radii of compact semialgebraic sets
12:00–12:30	M. E. Montoro López: On the effective Pourchet’s Theorem
12:30–13:00	R. Rubio: Toward a symbolic framework for locus computation: Insights from Maple-based algebraic analysis
	Session B (Seminario Gauss, 1st floor)
11:00–11:30	A. Fidalgo-Díaz: Clifford defect of a numerical semigroup
11:30–12:00	R. Martín Sánchez-Ledesma: Extension of root-based attacks against PLWE for the fully-split case
12:00–12:30	J. M. Muñoz Fuentes: Linear complementary pairs of skew BCH constacyclic codes
12:30–13:00	V. García Benítez: MacWilliams duality for rank metric codes over finite chain rings
	Session C (Seminario Laplace, 2nd floor)
11:00–11:30	A. Jiménez Pastor: Algorithmic construction of Baker-Akhiezer functions
11:30–12:00	C. Fevola: Tropical KP Theory on Banana Curves
12:00–12:30	E. León-Cardenal: On the annihilator and Bernstein-Sato polynomial of a rational function
12:30–13:00	S. Rueda Pérez: Picard-Vessiot theory of spectral problems
13:00–15:00	Lunch
15:00–16:00	Ignacio García Marco — Computing invariants of Cayley graphs of groups Sala de Conferencias, ground floor
16:00–16:30	Coffee Break
16:30–18:30	Parallel Sessions (Afternoon) Session A (Sala de Conferencias, ground floor)
16:30–17:00	D. Deligeorgaki: Model invariants for Equal Input model
17:00–17:30	J. Fernández Sánchez: Phylogenetic networks evolving under G-equivariant models
17:30–18:00	M. Garrote López: Posets of trek polynomials in directed acyclic graphs
	Session B (Seminario Gauss, 1st floor)
16:30–17:00	A. Roca: Isomorphisms of lattices of hyperinvariant and characteristic subspaces
17:00–17:30	J. Chu: Polynomial Interpolation of a Vector Field on a Convex Polyhedral Domain
17:30–18:00	L. Bastioni: Computing the characteristic polynomial of linearized polynomials via Drinfeld modules
	Session C (Seminario Laplace, 2nd floor)
16:30–17:00	L. J. Santana Sánchez: A combinatorial approach to the birational geometry of point blow-ups of the projective space
17:00–17:30	J. Tonelli-Cueto: Tensor learning with orthogonal, Lorentz, and symplectic symmetries



09:30–10:30	Emanuela de Negri — Generalized binomial edge ideals are Cartwright-Sturmfels Sala de Conferencias, ground floor
10:30–11:00	Coffee Break & Poster Session
11:00–12:30	Parallel Sessions
	Session A (Sala de Conferencias, ground floor)
11:00–11:30	E. Camacho Aguilar: Equilibrium set of a two-protein toggle switch
11:30–12:00	J. Sendra Arranz: Spohn conditional independence varieties of generic games
12:00–12:30	L. Gonzalez-Vega: On the eigenvalues of QM -matrices and $Q^{1,2}$ -matrices
	Session B (Seminario Gauss, 1st floor)
11:00–11:30	P. Coscojuela Escanilla: Algebraic Cryptanalysis of DME Schemes via determinantal ideals
11:30–12:00	P. Mazón: Birational biquadratic planar maps
12:00–12:30	P. Mazón: Real line congruences of trilinear birational maps
	Session C (Seminario Laplace, 2nd floor)
11:00–11:30	A. Katsampekis: Radical splittings of toric ideals
11:30–12:00	P. Munarriz Senosiain: Algoritmos para calcular el ℓ -strand de la resolución de Taylor de ideales monomiales libres de cuadrados
12:00–12:30	W. G. Hernández Yanes: Concentration on some families of numerical semigroups
12:30–15:00	Lunch
15:00–16:00	Piotr Zwiernik — Tensor Eigenvectors and Identifiability. From spectral theory to Independent Component Analysis Sala de Conferencias, ground floor
20:30–23:00	Conference Dinner: Residencia Universitaria Carmen de la Victoria



09:30–10:30 **Teresa Krick** — Effective bounds for polynomial systems defined over the rationals
Sala de Conferencias, ground floor

10:30–11:00 Coffee Break

11:00–12:30 **Parallel Sessions**

Session A (Sala de Conferencias, ground floor)

11:00–11:30 F.J. Castro-Jiménez: The Hilbert polynomial of a filiform Lie algebra

11:30–12:00 J. Baena Gómez: Finite dimensional directed graphs inducing Tortkara algebra

12:00–12:30 B. Ramos Pérez: Hopf braces and crossed products

Session B (Seminario Gauss, 1st floor)

11:00–11:30 L. Margolis: Geometric approach to the Modular Isomorphism Problem

11:30–12:00 D. Taufer: Computing generalized additive decompositions via Hankel operators

12:00–12:30 S. Mereta: On fibers and semi-algebraicity of ReLU neuromanifolds

Session C (Seminario Laplace, 2nd floor)

11:00–11:30 A. Dermenjian: Quadratic exchange equations for Coxeter matroids

11:30–12:00 P. Afsharijoo: Partition identities and A_r surface singularities

12:00–12:30 S. Kaji: Optimisation on constant-torsion polygonal curves

12:30–15:00 Closing & Lunch