ILAS 2023: Program at a glance (MS lectures)

	Monday	Tuesday	Wednesday	Thursday	Friday
11:10-11:40	AULA 15. A new low-rank solver for algebraic Riccati equations based on the matrix sign function and principal pivot transforms. **Peter Benner** (MSI04).	AULA 15. Numerical solution of a class of quasi-linear matrix equations. **Valeria Simoncini** (MSI04).	AULA 6. The power and the limits of visualizations. **Damjan Kobal** (MSC01).	AULA SEMINARIOS. Rigid spectra - a surprising consequence of invertible subtrees. **Seth Meyer** (MSI01).	AULA 10. Low-rank tensor frames for the high-accuracy solution of elliptic and parabolic PDEs. **Vladimir Kazeev** (MSI02).
11:10-11:40	AULA 5. On the minimum number of Toeplitz factors of a matrix. peaker: **Daniel Seco** (MSI05).	AULA 5. Contractive realizations of rational functions on polynomially defined domains and contractive determinantal representations of stable polynomials. **Victor Vinnikov** (MSI05).	AULA 3. Green's functions every where. **Enric Monsó** (MSC04).	AULA 10. Submatrices with the best-bounded inverses: revisiting the hypothesis. **Yuri Nesterenko** (MSI02).	AULA 5. Nonnegative polynomials, sums of squares and sums of nonnegative circuit polynomials - a story of three convex cones. **Moritz Schick** (MSI05).
11:10-11:40	AULA 6. Comparative Judgement and student engagement with proof writing in linear algebra. **Anthony Cronin** (MSC01).	AULA 6. Give an example of... **Rachel Quinlan** (MSC01).	SALÓN DE ACTOS. Quantum computing and graph theory. **Chi-Kwong Li** (MSC08).	AULA 5. Ranks of linear matrix pencils separate simultaneous similarity orbits. **Igor Klep** (MSI05).	AULA 16. On the Rellich eigendecomposition of para-Hermitian matrices on the unit circle. **Giovanni Barbarino** (MSC09).
11:10-11:40	AULA SEMINARIOS. On the spectra and algebraic connectivity of token graphs of a cycle. **Cristina Dalfó** (MSC02).	AULA SEMINARIOS. On classes of diminimal trees. **Carlos Hoppen** (MSC02).	AULA 16. Error representation of block rational Krylov methods by means of rational matrices. **Angelo A. Casulli** (MSC09).	AULA 3. Recovering piecewise constant conductances on networks with boundary. **Álvaro Samperio** (MSC04).	AULA 6F. Quantum concentration inequalities. **Daniel Stilck França** (MSC13).
11:10-11:40	AULA 3. Powers of Sparsest Matrices Realising the Karpelevic Arcs. **Priyanka Joshi** (MSC03).	AULA 11. Algebraic properties of operations on positive definite cones in operator algebras corresponding to various versions of Heron means. **Lajos Molnár** (MSC06).	AULA SEMINARIOS. Advanced Krylov Subspace methods with applications to Bayesian inverse problems. **Malena Sabaté Landman** (MSC10).	SALÓN DE ACTOS. Extremal Singular Graphs and Nut Graphs. **Irene Sciriha** (MSC08).	AULA 7. The Degree-Distance and Transmission-Adjacency Matrices. **Carlos Alfaro** (MSC14).
11:10-11:40	AULA 16. Stabilization of port-Hamiltonian systems by low rank output feedback. **Volker Mehrmann** (MSC05).	SALÓN DE ACTOS. Reminiscences of Steve Kirkland. **Richard A. Brualdi** (MSC08).	AULA 10. Numerical linear algebra aspects of the Dynamic Mode Decomposition. **Zlatko Drmac** (MSC12).	AULA 16. Linearization of meromorphic matrix-valued functions. **Rafikul Alam** (MSC09).	AULA 15. Linear systems of moment differential equations. **Alberto Lastra** (MSC16).
11:10-11:40	SALÓN DE ACTOS. Stochastic Matrices Realising the Boundary of the Karpelevic Region. **Helena Smigoc** (MSC08).	AULA 16. Spectral Localization and the Infinite Elementary Divisor Structure of Matrix Polynomials. **D. Steven Mackey** (MSC09).	AULA 6F. Recoverability of quantum channels via hypothesis testing. **Anna Jenčová** (MSC13).	AULA 7. Root-Max Problems, Hybrid Expansion-Contraction, and Optimization of Passive Systems. **Tim Mitchell** (MSC11).	AULA 12. Similarity via transversal intersection of manifolds. **Zhongshan Li** (MSC17).
11:10-11:40	AULA 10. On the Loewner framework for model reduction. **Athanasios C. Anthoulas** (MSC12).	AULA 3. Rational Krylov for Stieltjes matrix functions with Kronecker structure. **Leonardo Robol** (MSC15).	AULA 15. The Christoffel function: Some applications and connections. **Jean Bernard Lasserre** (MSC16).	AULA 6F. Entangled subspaces and their characterization. **Remigiusz Augusiak** (MSC13).	AULA 3. Updating a Sequence of Orthogonal Rational Functions. **Raf Vandebril** (MSC22).
11:10-11:40	AULA 6F. Diagonal Unitary and Orthogonal Symmetries in Quantum Theory. **Ion Nechita** (MSC13).	AULA 7. Riordan Group Involutions. **Luis Shapiro** (MSC18).	AULA 7. Natural partial orderings and associated Riordan poset matrices. **Gi-Sang Cheon** (MSC18).	AULA 15. Bernstein-Szegö measures in the plane. **Jeffrey Geronimo** (MSC16).	AULA 6. Completion of operator matrices with application to solving operator equations. **Dragana Cvetkovic-Ilic** (MSC25).
11:10-11:40	AULA 7. Vertical Recurrence Relation of Riordan Arrays, Quasi-Riordan Group and its Subgroups and Extended Subgroups. **Tian-Xiao He** (MSC18):	AULA 6F. Inevitability of Negative Quantum Conditional Entropy. **Gilad Gour** (MSC23).	AULA 5. Mixed-precision eigenvalue solver on GPUs. Toshiyuki Imamura (MSC21).	AULA 6. Blocks of endomorphism algebras via quasi-hereditary algebras. **Stephen Donkin** (MSC24).	AULA 11. Searching for Rigidity in Algebraic Starscapes. **Gabriel Dorsfman-Hopkins** (MSC26).
11:40-12:10	AULA 15. Chebyshev HOPGD for parameterized linear systems. **Siobhan Correnty** (MSI04).	AULA 15. Inexact low-rank ADI for large-scale Sylvester equations. **Patrik Kürschner** (MSI04).	AULA 6. The Challenges of Teaching Elementary Linear Algebra in a Modern Matrix Based Way. **Frank Uhlig** (MSC01).	AULA SEMINARIOS. New results on graph partition and Fiedler theory. **Enide Andrade** (MSI01).	AULA 10. Low-rank nonnegative matrix and tensor approximations: alternating projections and how to make them faster. **Stanislav Budzinskiy** (MSI02).
11:40-12:10	AULA 5. The wonders of the Cesàro matrix. **William T. Ross** (MSI05).	AULA 5. Hankel forms over a free monoid. **Michael T. Jury** (MSI05).	AULA 3. Capacity on graphs: submodularity and simplex geometry. **Karel Devriendt** (MSC04).	AULA 10. Superfast iterative refinement of Low Rank Approximation of a Matrix. **Victor Pan** (MSI02).	AULA 5. Projection Theorems in Free Semialgebraic Geometry. **Tim Netzer** (MSI05).
11:40-12:10	AULA 6. The structure and nature of linear algebra. **Sepideh Stewart** (MSC01).	AULA 6. A study of quadratic forms in Linear Algebra with GeoGebra. **André Lucio Grande** (MSC01).	SALÓN DE ACTOS. Pretty good state transfer among large set of vertices. **Ada Chan** (MSC08).	AULA 5. Clark measures associated with RIFs. **Linus Bergqvist** (MSI05).	AULA 16. Computing the nearest (structured) singular matrix polynomial. **Miryam Gnazzo** (MSC09).
11:40-12:10	AULA SEMINARIOS. Cospectrality results on generalized Johnson and Grassmann graphs. **Robin Simoens** (MSC02).	AULA SEMINARIOS. On Sidorenko's conjecture for determinants and Gaussian Markov random fields. **Peter Csikvari** (MSC02).	AULA 16. Error analysis of compact Arnoldi methods for linearized polynomial eigenvalue problems. **Javier Pérez** (MSC09).	AULA 3. A Riesz Decomposition Theorem for Schrödinger Operators on Graphs. **Florian Fischer** (MSC04).	AULA 6F. Thermalization in quantum spin systems. **Antonio Pérez-Hernández** (MSC13).
11:40-12:10	AULA 3. Connecting the Hermite-Biehler Theorem to the Nonnegative Inverse Eigenvalue Problem. **Richard Ellard** (MSC03).	AULA 11. Non-homogeneous gradient equations for sum of squares of Wasserstein metric. **Jinmi Hwang** (MSC06).	AULA SEMINARIOS. Matrix-Free Hyperparameter Optimization for Gaussian Processes. **Theresa Wagner** (MSC10).	SALÓN DE ACTOS. Limit points of Laplacian spectral radii of graphs. **Vilmar Trevisan** (MSC08).	AULA 7. Cospectral graphs by edge deletion. **Chris Godsil** (MSC14).
11:40-12:10	AULA 16. Eigenvalues of rank one perturbations of singular M-matrices. **André Ran** (MSC05).	SALÓN DE ACTOS. Rank one perturbations for cone reachability and holdability. **Michael Tsatsomeros** (MSC08).	AULA 10. One can hear the impedance and loss profiles of a string: from the discrete to continuum dissipative inverse problem. **Vladimir Druskin** (MSC12).	AULA 16. Rational approximation and linearisation for nonlinear eigenvalue problems and nonlinear systems. **Karl Meerbergen** (MSC09).	AULA 15. A matrix approach to the linearization and connection coefficients of orthogonal polynomial sequences. **Luis Verde-Star** (MSC16).

11:40-12:10	SALÓN DE ACTOS. On Kemeny's constant and its applications. **Emanuele Crisostomi** (MSC08).	AULA 16. Filters connecting spectrally equivalent nonsingular polynomial matrices. **Silvia Marcaida** (MSC09).	AULA 6F. Recoverability of quantum Fisher information. **Haojian Li** (MSC13).	AULA 7. Locating Eigenvalues of Quadratic Matrix Polynomials. **Shreemayee Bora** (MSC11	AULA 12. The bifurcation lemma for strong properties in the inverse eigenvalue problem of a graph. **Jephian C.-H. Lin** (MSC17).
11:40-12:10	AULA 10. From matrix equations to surrogate models. **Jens Saak** (MSC12).	AULA 3. Sketched and truncated polynomial Krylov methods for matrix equations. **Marcel Schweitzer** (MSC15).	AULA 15. Lax-type pairs in the theory of bivariate orthogonal polynomials. **Teresa E. Pérez** (MSC16).	AULA 6F. A complete hierarchy of linear systems for certifying quantum entanglement of subspaces. **Benjamin Lovitz** (MSC13).	AULA 3. Algorithmic aspects of the Bessmertnyı realization theorem for multivariate rational matrix functions. **Aaron Welters** (MSC22).
11:40-12:10	AULA 6F. Positive maps and entanglement in real Hilbert spaces. **Mizanur Rahaman** (MSC13).	AULA 7. Exponential Riordan matrices and decomposition of Hankel matrices. **Emanuele Munarini** (MSC18).	AULA 7. Abstract cell complexes and Riordan matrices. **Luis-Felipe Prieto-Martínez** (MSC18).	AULA 15. Time-and-band limiting for exceptional orthogonal polynomials. **Mirta M. Castro Smirnova** (MSC16).	AULA 6. The η-(anti-)Hermitain solution to a constrained Sylvester-type matrix equation over the generalized commutative quaternions. **Qing-Wen Wang** (MSC25).
11:40-12:10	AULA 7. The binary Pascal matrix and associated algebras. **Nikolaos Pantelidis** (MSC18).	AULA 6F. Measurement sharpness and incompatibility as quantum resources. **Francesco Buscemi** (MSC23).	AULA 5. Acceleration of iterative refinement for symmetric eigenvalue decomposition with clustered eigenvalues. **Yuki Uchino** (MSC21).	AULA 6. Exact Borel subalgebras of stratified algebras. **Teresa Conde** (MSC24).	AULA 11. Eigenvectors of the block Kronecker formulation of Mandelbrot matrices. **Piers W. Lawrence** (MSC26).
12:10-12:40	AULA 15. A mixed-precision algorithm for the Sylvester equation. **Massimiliano Fasi** (MSI04).	AULA 15. Deflating subspaces of palindromic pencils and the T-Riccati matrix equation. **Bruno Iannazzo** (MSI04).	AULA 6. Linear Algebra teaching in engineering degrees. **Marta Peña** (MSC01).	AULA SEMINARIOS. Integer eigenvalues of n-Queens graph. **Inês Serôdio Costa** (MSI01).	AULA 10. Tensor product algorithms for Bayesian inference of networks from epidemiological data. **Dmitry Savostyanov** (MSI02).
12:10-12:40	AULA 5. Packages of curves associated with the numerical range. **Pamela Gorkin** (MSI05).	AULA 5. Realizations of rational inner functions in the full Fock space. **Robert T. W. Martin** (MSI05).	AULA 3. Generalized diffusion equation on graphs/networks. **Fernando Díaz-Díaz** (MSC04).	AULA 10. Adaptive Undersampling in Spectromicroscopy. **Oliver Townsend** (MSI02).	AULA 5. Positivity of state polynomials with applications. **Jurij Volcic** (MSI05).
12:10-12:40	AULA 6. Proble solving before instruction. **Avi Berman** (MSC01).	AULA 6. Linear Algebra Education Reform, A Retrospective. **Steven J. Leon** (MSC01).	SALÓN DE ACTOS. Fractional revival on graphs. **Xiaohong Zhang** (MSC08).	AULA 5. Facial structure of matrix convex sets. **Tea Strekelj** (MSI05).	AULA 16. Nearest singular pencil via Riemannian optimization. **Lauri Nyman** (MSC09).
12:10-12:40	AULA SEMINARIOS. Constructing cospectral hypergraphs. **Antonina Khramova** (MSC02).	AULA SEMINARIOS. Spectra of trees. **Thomas Jung** (MSC02).	AULA 16. Rectangular multiparameter eigenvalue problems. **Bor Plestenjak** (MSC09).	AULA 3. Group Inverse and equilibrium measure on Random Walks. **Álvar Martín-Llopis** (MSC04).	AULA 6F. Spectral gap for AKLT models on arbitrary decorated graphs. **Angelo Lucia** (MSC13).
12:10-12:40	AULA 3. Nonnegative Jacobi matrix realizations in low dimension. **Andrés M. Encinas** (MSC03).	AULA 11. Geometric means on some matrix manifolds. **Luis Machado** (MSC06).	AULA SEMINARIOS. Probabilistic Rounding Error Analysis in Numerical Linear Algebra. **Nicholas J. Higham** (MSC10).	SALÓN DE ACTOS. Smallest positive eigenvalue of graphs. **Sasmita Barik** (MSC08).	AULA 7. Phantom mates of strongly cospectral vertices. **Krystal Guo** (MSC14).
12:10-12:40	AULA 16. Rank one perturbations of matrices with applications in graph theory. **Michal Mojtylak** (MSC05).	SALÓN DE ACTOS. Refined inertias of full and hollow positive sign patterns. **Minerva Catral** (MSC08).	AULA 10. Randomized POD-Beyn algorithm for nonlinear eigenvalue problems – analysis and perspectives. **Luka Grubisic** (MSC12).	AULA 16. Computing zeros of rational functions and matrices. **María C. Quintana** (MSC09).	AULA 15. Eigenvalues of infinite Hermitian matrices and Sobolev orthogonal polynomials. **Carmen Escribano** (MSC16).
12:10-12:40	SALÓN DE ACTOS. Markov chains: theory and applications. **Jane Breen** (MSC08).	AULA 16. Isomorphisms between Ansatz Spaces over Classical Polynomial Bases. **Vasilije Perovic** (MSC09).	AULA 6F. Monogamy of entanglement between cones and DPS-like hierarchies. **Martin Plávala** (MSC13).	AULA 7. Large-Scale Minimization of the Pseudospectral Abscissa. **Emre Mengi** (MSC11).	AULA 12. The liberation set of a graph. **Polona Oblak** (MSC17).
12:10-12:40	AULA 10. Data-driven balancing: what to sample for different types of balanced reduced models. **Serkan Gugercin** (MSC12).	AULA 3. Quantum Krylov Methods: What's the Deal?. **Roel Van Beeumen** (MSC15).	AULA 15. Discrete Darboux Transformations Leading to Nonstandard Orthogonality. **Maxim Derevyagin** (MSC16).	AULA 6F. Refuting spectral compatibility of quantum marginals. **Felix Huber** (MSC13).	AULA 3. Structured Matrices Approach for Legendre Pairs. **Ilias Kotsireas** (MSC22).
12:10-12:40	AULA 6F. When are quantum states antidistinguishable? **Jamie Sikora** (MSC13).	AULA 7. Combinatorics on the negative part of Riordan matrices. **Minho Song** (MSC18).	AULA 7. From Alexandroff spaces to Riordan matrices. **Pedro J. Chocano** (MSC18).	AULA 15. On generating Sobolev orthogonal polynomials. **Niel van Buggenhout** (MSC16).	AULA 6. Singular value decomposition of commutative quaternion tensors. **Yang Zhang** (MSC25).
12:10-12:40	AULA 7. Total positivity of Riordan arrays. **Roksana Slowik** (MSC18).	AULA 6F. A new distance between pure states of qudits. **Tomasz Miller** (MSC23).	AULA 5. GEMM-based numerical algorithm for accurate matrix multiplication. **Ozaki Katsuhisa** (MSC21).	AULA 6. Compression of bounded complexes and Auslander-Reiten sequences. **María José Souto Salorio** (MSC24).	AULA 11. Numerical Examples on Backward Stability of Algebraic Linearizations. **Eunice Y. S. Chan** (MSC26).
12:40-13:10	AULA 15. Efficient iterative methods for the solution of Generalized Lyapunov Equations: Block vs. point Krylov projections, and other controversial decisions. **Daniel Szyld** (MSI04).	AULA 15. Compress-and-restart block Krylov subspace methods for Sylvester matrix equations. **Kathryn Lund** (MSI04).	AULA 6. Magic tricks as a source of examples in Linear Algebra. **Fernando Blasco** (MSC01).	AULA SEMINARIOS. Approximate Graph Colouring and Crystals. **Lorenzo Ciardo** (MSI01).	AULA 10. Deep Importance Sampling Using Tensor Approximations. **Sergey Dolgov** (MSI02).
12:40-13:10	AULA 5. A moment theoretic approach to estimate the cardinality of certain algebraic varieties. **Raúl E. Curto** (MSI05).	AULA 5. Spectrahedral Shadows and Completely Positive Maps on Real Closed Fields. **Mario Kummer** (MSI05).	AULA 3. Spectral Gap Problems of Periodic Jacobi Operators. **V B Kiran Kumar** (MSC04).	AULA 10. A Nyström-like randomized algorithm for low-rank approximation of tensors. **Alberto Bucci** (MSI02).	AULA 16. Computing a compact local Smith McMillan form. **Paul Van Dooren** (MSC09).
12:40-13:10	AULA 6. Exciting Eigenvectors: Seeing is Believing. **D. Steven Mackey** (MSC01).	AULA 6. Virtual reality for the teaching of linear geometry. **José L. Rodríguez** (MSC01):	SALÓN DE ACTOS. Perfect state transfer on trees with small diameter. **Steve Kirkland** (MSC08).	AULA 5. Free Extreme points of free spectrahedrops and generalized free spectrahedra. **Eric Evert** (MSI05).	AULA 7. Coalescing sets for a cospectral construction. **Joel Jeffries** (MSC14).

12:40-13:10	AULA 3. A combinatorial characterization of C-realizable lists in the nonnegative inverse eigenvalue problem. **Julio Moro** (MSC03).	AULA SEMINARIOS. Algebraic connectivity of maximal outerplanar graphs. **Claudia M. Justel** (MSC02).	AULA 16. Eigenvector error bounds and perturbation for nonlinear eigenvalue problems. **Françoise Tisseur** (MSC09).	SALÓN DE ACTOS. Some bounds for the energy of complex unit gain graphs. **Rajesh Kannan** (MSC08).	AULA 15. A matrix approach to bounded point evaluation and zeros of Sobolev orthogonal polynomials. **Raquel Gonzalo** (MSC16).
12:40-13:10	AULA 16. Solving singular generalized eigenvalue problems: perturbation, projection and structure preservation. **Christian Mehl** (MSC05).	AULA 11. Operator means of positive definite compact operators and their properties. **Sushil Singla** (MSC06).	AULA SEMINARIOS. Mixed precision randomized Nyström approximation. **Erin C. Carson** (MSC10).	AULA 16. Randomized sketching of nonlinear eigenvalue problems. **Daniel Kressner** (MSC09).	AULA 11. Bohemian Doubly Companion Matrices. **Robert M. Corless** (MSC26).
12:40-13:10	SALÓN DE ACTOS. Kemeny's constant and Braess edges. **Sooyeong Kim** (MSC08).	SALÓN DE ACTOS. A Short Survey on the Scrambling Index of Primitive Digraphs. **Mahmud Akelbek** (MSC08).	AULA 6F. Abstract cone systems. **Mirte van der Eyden** (MSC13).	AULA 7. Optimal Rational Matrix Function Approximation Using the Arnoldi Algorithm. **Anne Greenbaum** (MSC11).	
12:40-13:10	AULA 10. An Eigensystem Realization Algorithm for Continuous-Time Systems and Its Connection with the Hankel Operator. **Igor Pontes Duff** (MSC12).	AULA 16. Diagonalizable Matrix Polynomials. **Ion Zaballa** (MSC09).	AULA 15. Inverse Darboux transformations and Sobolev inner products. **Francisco Marcellán** (MSC16).	AULA 6F. Mutually unbiased measurements andtheir applications in quantum information. **Máté Farkas** (MSC13).	
12:40-13:10	AULA 6F. Free spectrahedra in quantum information theory. **Andreas Bluhm** (MSC13).	AULA 3. A new Legendre polynomial approach for computing the matrix exponential. **Shazma Zahid** (MSC15).	AULA 7. Combinatorial statistics on Catalan words avoiding consecutive patterns. **José L. Ramírez** (MSC18).	AULA 6. Shintani descent for supercharacters of finite algebra groups. **Carlos André** (MSC24).	
12:40-13:10	AULA 7. TBA. **Ana Luzón/Manuel A. Morón** (MSC18).	AULA 7. Properties of Riordan quotients. **Paul Barry** (MSC18).	AULA 5. Robust iterative solvers. **Roman Iakymchuk** (MSC21).		
12:40-13:10		AULA 6F. Quantum Wasserstein semi-distances and applications. **Michal Eckstein** (MSC23).			
17:00-17:30	AULA 5. A semidefinite program for least distortion embeddings of flat tori into Hilbert spaces. **Marc Christian Zimmerman** (MSI03).	AULA SEMINARIOS. Semidefinite and eigenvalue bounds for bicliques and biidependent sets. **Luis Felipe Vargas** (MSC02).		AULA SEMINARIOS. On weight partitions of graphs and their applications. **Aida Abiad** (MSI01).	
17:00-17:30	AULA 15. On a new family of low-rank algorithms for large-scale algebraic Riccati equations. **Heike Fassbender** (MSI04).	AULA 16. Generic skew-symmetric matrix polynomials with bounded rank and fixed even grade. **Andrii Dmytryshyn** (MSC05).		AULA 10. A simple yet effective tensor-based ODE model for Deep Learning. **Davide Palitta** (MSI02).	
17:00-17:30	AULA SEMINARIOS. On the spectra of weighted digraphs. **Miriam Pisonero** (MSC02).	AULA 11. Approximation results for generalized operator means. **Miklós Pálfia** (MSC06).		AULA 16. Jordan-like decompositions of linear relations. **Henrik Winkler** (MSC05).	
17:00-17:30	AULA 3. Universal Realizability on the border. **Carlos Marijuán** (MSC03).	AULA 6. Rational extrapolation methods, Anderson acceleration, and solution of systems of equations. **Claude Brezinski** (MSC07).		AULA 6. The Short-term Rational Lanczos Method and Applications. **Stefano Pozza** (MSC07).	
17:00-17:30	AULA 16. Minimal rank factorizations of low rank polynomial matrices. **Froilán M. Dopico** (MSC05).	AULA 12. Minimum rank bounds for cobipartite graphs and zero-nonzero patterns. **Louis Deaett** (MSC17).		AULA 7. Model Order Reduction in Gas Network Simulation and the Role of Eigenvalues. **Sara Grundel** (MSC11).	
17:00-17:30	AULA 6F. Matrix/Operator Mean Lagniappe. **Jimmie Lawson** (MSC06).	AULA 7. Accurate eigenvalues of some generalized sign regular matrices via relatively robust representations. **Rong Huang** (MSC19).		AULA 3. A $*$-product solver for linear nonautonomous fractional differential equations. **Fabio Durastante** (MSC15).	
17:00-17:30	AULA 6. Efficient computation of the Wright function. **Lidia Aceto** (MSC07).	AULA 5. Fan-Theobald-von Neumann systems. **Muddappa Gowda** (MSC20).		AULA 15. Spectral theory for bounded banded matrices with positive bidiagonal factorization and mixed multiple orthogonal polynomials. **Ana Foulquié-Moreno** (MSC16).	
17:00-17:30	AULA 10. Optimal reduced-order modeling for structured linear systems. **Petar Mlinaric** (MSC12).	AULA 10. A Low-complexity Algorithm in Navigating Unmanned Aerial Systems. **Sirani M. Perera** (MSC22).		AULA 6F. Hyperdeterminant, Fermionic Fock space and entanglement. **Frédéric Holweck** (MSC23).	
17:00-17:30	AULA 12. On the number of distinct eigenvalues allowed by a sign pattern. **Kevin Vander Meulen** (MSC17).	AULA 6F. Apolarity for border rank and applications. **Jaroslaw Buczynski** (MSC23).		AULA 5. Representation theory of quantum algebras at roots of unity through linear algebra techniques. **Stéphane Launois** (MSC24)	
17:00-17:30	AULA 7. Some optimal properties related to Total Positivity. **Juan Manuel Peña** (MSC19).	AULA 15. On Eigenvalue Gaps of Integer Matrices. **Jamie Pommersheim** (MSC26).		AULA 11. Galois group actions and rational solutions of p(X) = A. **Gerrit Goosen** (MSC25).	
17:30-18:00	AULA 5. The Difference-of-Convex Algorithm and Quantum Conditional Entropy. **Oisín Faust** (MSI03).	AULA SEMINARIOS. Probing the Structure of Graph Nullspaces with Zero Loci. **Joshua Cooper** (MSC02).		AULA SEMINARIOS. Combinatorics behind signed graphs. **Milica Andelic** (MSI01).	
17:30-18:00	AULA 15. On computing modified moments for half–range Hermite and Pollaczek–Hermite weights in floating point arithmetic. **Nicola Mastronardi** (MSI04).	AULA 16. Generic Hermitian matrix pencils with bounded rank. **Fernando De Terán** (MSC05).		AULA 10. A statistical POD approach for feedback boundary optimal control in fluid dynamics. **Luca Saluzi** (MSI02).	
17:30-18:00	AULA SEMINARIOS. Perfect state transfer in quantum walks on orientable maps. **Vincent Schmeits** (MSC02).	AULA 11. Regression on the manifold of fixed rank positive semidefinite matrices. **Hosoo Lee** (MSC06).		AULA 16. Kernel and range representation of matrix pencils. **Carsten Trunk** (MSC05).	

17:30-18:00	AULA 3. Smigoc's glue for universal realizability on the left half-plane. **Ricardo L. Soto** (MSC03).	AULA 6. On generalized inverse of a vector, with applications to vector epsilon algorithm. **Ahmed Salam** (MSC07).	AULA 6. A tensor bidiagonalization method for higher-order singular value decomposition with applications. **Anas El Hachimi** (MSC07).
17:30-18:00	AULA 16. Combinatorics in matrix pencils completion and rank perturbation problems. **Marko Stosic** (MSC05).	AULA 12. The difficulty of minimum rank 3. **Alathea Jensen** (MSC17).	AULA 7. Structured eigenvalue optimization via rank-1 ODEs. **Nicola Guglielmi** (MSC11).
17:30-18:00	AULA 6F. The Endpoint Geodesic Problem on Symmetric Spaces with Applications. **Knut Hüper** (MSC06).	AULA 7. Bidiagonal decompositions of singular sign regular matrices of signature (1, . . . , 1, −1). **Plamen Koev** (MSC19).	AULA 3. Rational approximation with minimal sampling for Helmholtz-like problems. **Davide Pradovera** (MSC15).
17:30-18:00	AULA 6. Numerical approximation of the symbol of an operator with local spectral mean values evaluations. **Jean-Paul Chehab** (MSC07).	AULA 5. A Fiedler-type determinantal inequality in Euclidean Jordan algebras. **David Sossa** (MSC20).	AULA 15. A generalisation of the Hermite–Biehler theorem. **Mikhail Tyaglov** (MSC16).
17:30-18:00	AULA 10. H2 optimal model reduction for simply connected domains. **Alessandro Borghi** (MSC12).	AULA 10. A Vandermonde Neural Operator: Extending the Fourier Neural Operator to Nonequispaced Distributions. **Levi Lingsch** (MSC22).	AULA 6F. Quantum Wasserstein energy distance. **Rafal Bistron** (MSC23).
17:30-18:00	AULA 12. Orthogonal Realizations of Random Sign Patterns. **Bryan Curtis** (MSC17).	AULA 6F. On the complexity of finding tensor ranks. **Mohsen Aliabadi** (MSC23).	AULA 5. U(h)-free modules and weight representations. **Eduardo Monteiro Mendonça** (MSC24).
17:30-18:00	AULA 7. Bidiagonal decomposition of rectangular totally positive Lagrange-Vandermonde matrices and applications. **Ana Marco** (MSC19).	AULA 15. On the orthogonal decomposition of real square matrices over the co-Latin and semi-magic symmetry classes. **Matthew Lettington** (MSC26).	AULA 11. Automated proofs of operator statements. **Clemens Hofstadler** (MSC25).
18:00-18:30	AULA 5. Deterministic Approximation Algorithms for Volumes of Spectrahedra. **Mahmut Levent Doğan** (MSI03).	AULA SEMINARIOS. Clique complexes of strongly regular graphs and their eigenvalues. **Sebastian M. Cioaba** (MSC02).	AULA SEMINARIOS. Multiplicative structures generated by alternating sign matrices. **Rachel Quinlan** (MSI01).
18:00-18:30	AULA 15. Balanced Truncation Model Reduction of Parametric Differential-Algebraic Systems. **Matthias Voigt** (MSI04).	AULA 16. An interlacing result for Hermitian matrices in Minkowski space. **Madeleine van Straaten** (MSC05).	AULA 10. Learning Feynman diagrams with tensor trains. **Yuriel Núñez Fernández** (MSI02).
18:00-18:30	AULA SEMINARIOS. Spectra of normal Cayley graphs. **Soffia Arnadottir** (MSC02).	AULA 11. Matrix Means on Grassmann Manifolds. **Tin-Yau Tam** (MSC06).	AULA 16. Weyr characteristics perturbation results for matrix pencils. **Francisco Martínez-Pería** (MSC05).
18:00-18:30	AULA 3. More on polynomials preserving nonnegative matrices. **Raphael Loewy** (MSC03).	AULA 6. Computing the generalized rational minimax approximation. **Nir Sharon** (MSC07).	AULA 6. Error bounds for the approximation of matrix functions with rational Krylov methods. **Igor Simunec** (MSC07)
18:00-18:30	AULA 16. Minimal rank perturbations of matrix pencils. **Marija Dodig** (MSC05).	AULA 12. Generic realisability and applications. **Rupert Levene** (MSC17).	AULA 7. Tributes to Michael Overton on the Occasion of His 70th Birthday (MSC11).
18:00-18:30	AULA 6F. Majorization and properties on Spectral geometric mean. **Luyining Gan** (MSC06).	AULA 7. Tropical totally positive matrices. **Adi Niv** (MSC19).	AULA 3. Rational approximations of BEM systems for the 3D scalar Helmholtz equation. **Simon Dirckx** (MSC15).
18:00-18:30	AULA 6. Efficient Inversion of Matrix ϕ-Functions of Low Order. **Luca Gemignani** (MSC07).	AULA 5. Jordan automorphisms and derivatives of symmetric cones. **Michael Orlitzky** (MSC20):	AULA 15. Jacobi matrices on binary trees: multilevel interpolations and boundedness. **Vladimir Lysov** (MSC16).
18:00-18:30	AULA 10. On multi-objective optimization of model reduction for port-Hamiltonian systems. **Jonas Nicodemus** (MSC12).	AULA 10. Computing Approximate Solutions of Ill-Conditioned Linear Systems in Low and Mixed Precision. **James Nagy** (MSC22).	AULA 5. The graphs of reduced words of apermutation. **Ricardo Mamede** (MSC24).
18:00-18:30	AULA 12. Zq-Forcing Game for Some Families of Graphs. **Shahla Nasserasr** (MSC17).	AULA 6F. Tensor optimal transport. **Shmuel Friedland** (MSC23).	AULA 11. Trace Minimization Principles. **Ren-Cang Li** (MSC25).
18:00-18:30	AULA 7. Accurate computations with rectangular totally positive collocation matrices of the Lupas-type (p,q)-analogue of the Bernstein basis. **Raquel Viaña** (MSC19).	AULA 15. Inner Bohemian matrices. **Juana Sendra** (MSC26).	AULA 6F. On perfect tensors and multipartite entanglement. **Karol Zyczkowski** (MSC23).
18:30-19:00	AULA 5. Classifying Linear Matrix Inequalities via Abstract Operator Systems. **Tim Netzer** (MSI03).	AULA 16. Spectral enclosures and resolvent estimates for matrix and operator polynomials. **Christiane Tretter** (MSC05).	AULA SEMINARIOS. Alternating Sign Matrices and Generalizations. **Geir Dahl** (MSI01).
18:30-19:00	AULA 15. A delayed shift technique for M-matrix algebraic Riccati equations. **Federico Poloni** (MSI04).	AULA 6. Perfect shifts for Hessenberg-Hessenberg pencils. **Marc Van Barel** (MSC07).	AULA 10. A weighted subspace exponential kernel for support tensor machines. **Kirandeep Kour** (MSI02).

18:30-19:00	AULA SEMINARIOS. NEPS of Complex Unit Gain Graphs. **Francesco Belardo** (MSC02).	AULA 12. The number of distinct eigenvalues of joins of graphs. **Mark Kempton** (MSC17).		AULA 16. Small rank perturbations of H-expansive matrices. **Dawie Janse van Rensburg** (MSC05).
18:30-19:00	AULA 16. Rank-one perturbation of linear relations via matrix pencils. **Alicia Roca** (MSC05).	AULA 7. Linear Algebra in Approximation Theory: a new hope. **José-Javier Martínez** (MSC19):		AULA 6. Applications of trace estimation techniques. **Yousef Saad** (MSC07).
18:30-19:00	AULA 6F. Linearity of Cartan and Wasserstein geodesics. **Sejong Kim** (MSC06).	AULA 5. On certain properties of the second order cone and some of its generalizations. **Roman Sznajder** (MSC20).		AULA 7. Tributes to Michael Overton on the Occasion of His 70th Birthday (MSC11).
18:30-19:00	AULA 6. Structured-barycentric forms and the AAA framework for modeling second-order dynamics from data. **Ion Victor Gosea** (MSC07).	AULA 10. Solving an inverse eigenvalue problem using a divide-and-conquer method. **Natalia Bebiano** (MSC22).		AULA 3. Polynomial preconditioning with Faber polynomials for the Helmhotz equation. **Olivier Sète** (MSC15).
18:30-19:00	AULA 10. Parametric Linearization of Nonlinear Dynamical Systems Subject to Periodic Inputs. **Giovanni Coni** (MSC12).	AULA 6F. Entropic characterization of the spectral radius of nonnegative tensors and beyond. **Stéphane Gaubert** (MSC23).		AULA 5. Jordan type Artinian Gorenstein algebras and related invariants. **Pedro Macias Marques** (MSC24).
18:30-19:00	AULA 7. On the total positivity of Gram matrices of polynomial bases. **Esmeralda Mainar** (MSC19).	AULA 15. Computing the maximum spread of a Bohemian symmetric matrix with entries in [a, b]. **Rafael Sendra** (MSC26).		
19:00-19:30		AULA 6. A Rational Preconditioner for Multi-dimensional Riesz Fractional Diffusion Equations. **Mariarosa Mazza** (MSC07)		AULA 10. Empirical Tensor Train Approximation in Optimal Control. **Mathias Oste**r (MSI02).
19:00-19:30		AULA 5. Hadamard product and related inequalities in the Jordan spin algebra. **Juyoung Jeong** (MSC20)		AULA 6. Extrapolation methods for choosing a regularization parameter. **Giuseppe Rodriguez** (MSC07).
19:00-19:30		AULA 15. On the the eigenvalues of (Bohemian) Q-matrices and P-matrices. **Laureano González-Vega** (MSC26)		AULA 5. Carnot graded Lie algebras and chain ideal lattices. **Pilar Benito** (MSC24).
19:00-19:30				
	EDIFICIO NUEVO (ANEXO)	EDIFICIO MONTES (PRINCIPAL)	AULARIO	EDIFICIO FORESTALES