THURSDAY, June 15. Afternoon

MSIO1. Combinatorial matrices.
17:00-17:30: AULA SEMINARIOS. On weight partitions of graphs and their applications. Aida Abiad.
17:30-18:00: AULA SEMINARIOS. Combinatorics behind signed graphs. Milica Andelic.
18:00-18:30: AULA SEMINARIOS. Multiplicative structures generated by alternating sign matrices. Rachel Quinlan.
18:30-19:00: AULA SEMINARIOS. Alternating Sign Matrices and Generalizations. Geir Dahl.

MSI02. Low–rank matrices and tensors: algorithms and applications.

17:00-17:30: AULA 10. A simple yet effective tensor-based ODE model for Deep Learning. Davide Palitta.

17:30-18:00: AULA 10. A statistical POD approach for feedback boundary optimal control in fluid dynamics. Luca Saluzi.

18:00-18:30: AULA 10. Learning Feynman diagrams with tensor trains. Yuriel Núñez Fernández.

18:30-19:00: AULA 10. A weighted subspace
 exponential kernel for support tensor machines. Kirandeep Kour.

19:00-19:30: AULA 10. Empirical Tensor Train Approximation in Optimal Control. Mathias Oster.

MSC05. Bounded rank perturbations in matrix theory and related problems.

17:00-17:30: AULA 16. Jordan-like decompositions of linear relations. Henrik Winkler.
17:30-18:00: AULA 16. Kernel and range representation of matrix pencils. Carsten Trunk.
18:00-18:30: AULA 16. Weyr characteristics perturbation results for matrix pencils. Francisco Martínez-Pería.
18:30-19:00: AULA 16. Small rank perturbations of H-expansive matrices. Dawie Janse van Rensburg. MSC07. The interplay between linear-multilinear algebra and rational approximation.
17:00-17:30: AULA 6. The Short-term
Rational Lanczos Method and Applications. Stefano Pozza.
17:30-18:00: AULA 6. A tensor bidiagonalization method for higher-order
singular value decomposition with applications. Anas El Hachimi.

18:00-18:30: AULA 6. Error bounds for the approximation
 of matrix functions with rational Krylov methods. Igor Simunec.

18:30-19:00: AULA 6. Applications of trace estimation techniques. Yousef Saad.

19:00-19:30: AULA 6. Extrapolation methods for choosing a regularization parameter. Giuseppe Rodriguez.

MSC11. Eigenvalue applications and optimization in numerical linear algebra.

17:00-17:30: AULA 7. Model Order Reduction in Gas Network Simulation and the Role of Eigenvalues. Sara Grundel.

17:30-18:00: AULA 7. Structured eigenvalue optimization via rank-1 ODEs. Nicola Guglielmi.

18:00-18:30: AULA 7. Tributes to Michael Overton on the Occasion of His 70th Birthday.

18:30-19:00: AULA 7. Tributes to Michael Overton on the Occasion of His 70th Birthday.

MSC15. Connection between rational function/polynomial

approximation and structured matrices for solving differential equations.

17:00-17:30: AULA 3. A *-product solver for linear nonautonomous fractional differential equations. Fabio Durastante.

17:30-18:00: AULA 3. Rational approximation with
 minimal sampling for Helmholtz-like problems. Davide Pradovera.

18:00-18:30: AULA 3. Rational approximations of BEM systems for the 3D scalar Helmholtz equation. Simon Dirckx.

18:30-19:00: AULA 3. Polynomial preconditioning
with Faber polynomials for the Helmhotz equation. Olivier Sète.

MSC16. Orthogonal polynomials, matrix analysis and applications.

17:00-17:30: AULA 15. Spectral theory for bounded banded matrices with positive bidiagonal factorization and mixed multiple orthogonal polynomials. Ana Foulquié-Moreno.

17:30-18:00: AULA 15. A generalisation of the Hermite-Biehler theorem. Mikhail Tyaglov.

18:00-18:30: AULA 15. Jacobi matrices on binary

trees: multilevel interpolations and boundedness. Vladimir Lysov.

MSC23. Tensors and quantum information.

17:00-17:30: AULA 6F. Hyperdeterminant, Fermionic Fock space and entanglement. Frédéric Holweck.

17:30-18:00: AULA 6F. Quantum Wasserstein energy distance. Rafal Bistron.

18:00-18:30: AULA 6F. On perfect tensors and multipartite entanglement. Karol Zyczkowski.

MSC24. Representations of groups and algebras and related topics.
17:00-17:30: AULA 5. Representation theory of quantum algebras at roots of unity through linear algebra techniques. Stéphane Launois.
17:30-18:00: AULA 5. U(h)-free modules and weight representations. Eduardo Monteiro Mendonça.
18:00-18:30: AULA 5. The graphs of reduced words of apermutation. Ricardo Mamede.
18:30-19:00: AULA 5. Jordan type Artinian Gorenstein algebras and related invariants. Pedro Macias Marques.
19:00-19:30: AULA 5. Carnot graded Lie algebras and chain ideal lattices. Pilar Benito.

MSC25. Solving matrix and tensor equations.

17:00-17:30: AULA 11. Galois group actions and rational solutions of p(X) = A. Gerrit Goosen.
17:30-18:00: AULA 11. Automated proofs of operator statements. Clemens Hofstadler.
18:00-18:30: AULA 11. Trace Minimization Principles. Ren-Cang Li.

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