Monday, June 12. Contributed Talks

AULA 3

15:00-15:30: Spectral geometric mean,
geometric mean, and Kantorovich constant. Shigeru Furuichi.

15:30-16:00: New quantum divergence
and barycenter with the spectral geometric mean. Miran Jeong.

16:00-16:30: Multi-variable Wasserstein
means of positive definite operators. Vatsalkumar Mer.

AULA 5

15:00-15:30: Factorization of completely
positive matrices by alternating minimization. Harry Oviedo.

15:30-16:00: On some extensions of the class of Q-matrices. Sushmitha P.

16:00-16:30: On a question of Bhatia, Friedland and Jain. Mandeep Singh.

AULA 6

15:00-15:30: Optimized Higher Order Dynamic Mode
Decomposition Analysis of Electrocardiography Datasets. Andrés Bell.

15:30-16:00: Challenges and opportunities in solving Navier-Stokes
equations inpatient-specific left heart model. Mahesh Nagargoje.

16:00-16:30: Developing an efficient aeronautical design tool using modal decomposition
and deep learning for fluid dynamics analysis. Ashton Ian Hetherington.

AULA 6F

15:00-15:30: Total graphs of gain graphs. Matteo Cavaleri.

15:30-16:00: Complete resolution of the circulant
nut graph order-degree existence problem. Ivan Damnjanović.

16:00-16:30: On the minimal least eigenvalues of circulant graphs. Bašić Milan.

AULA 7

15:00-15:30: The inverse Horn problem. João Queiró.

15:30-16:00: On Completely Mixed Matrix Games. Gomatam Ravindran.

16:00-16:30: Approximation of the smallest eigenvalue of
large hermitian matrices dependent on parameters. Mattia Manucci.

AULA 10

15:00-15:30: Bi-Additive models and Symmetry. Sandra Ferreira.

15:30-16:00: Orbit-injective Covariant Quantum
    Channels. Orbit-injective Covariant Quantum Channels. Degunag Han.

16:00-16:30: Geometry of sub-algebras of Hol(Γ
    ∪ Int(Γ)) and zeros of holomorphic functions. Babhrubahan Bose.

AULA 11

15:00-15:30: Monodromy group of decomposable
    Blaschke products of degree 2^n. M. Eugenia Celorrio.

15:30-16:00: On interpolation with finite Blaschke products. Sergei Kalmykov.

16:00-16:30: Frame structure of Szego kernels in Hardy space of unit
    circle and Rational Approximation of ECG signals. Anusree Sreedhara.

AULA 12

15:00-15:30: Signed graphs with maximum nullity two. Marina Arav.

15:30-16:00: No cycle-spliced
    bipartite signed graph with nullity $\eta(\Sigma)=c(\Sigma)$. Suliman Khan.

16:00-16:30: A topological characterization of signed graphs with stable
    positive semidefinite maximum nullity at most two. Hein van der Holst.

AULA 15

15:00-15:30: Design of an estimator with orthogonal projections for a
    linear regression model and its strong consistency. Kensuke Aishima.

15:30-16:00: Restarted pseudo-Lanczos
    bidiagonalization for the hyperbolic SVD. Jose E. Román.

16:00-16:30: Solving linear systems of the
    form $(A+\gamma UU^T)\,{\bf x} = { \bf b}$. Chiara Faccio.

AULA 16

15:00-15:30: Doubly Structured Mappings and Backward errors
    for Matrix pencils arising in Optimal Control. Mohit Kumar Baghel.

15:30-16:00: Canonical Forms for Strictly Regular Matrix Polynomials. Richard Hollister.

16:00-16:30: Polynomial approximations
    for the matrix logarithm with computation graphs. Jorge Sastre.

AULA SEMINARIOS

15:00-15:30: Verified error bounds for all eigenvalues and basis
    of invariant subspaces of a real symmetric matrix. Shinya Miyajima.

15:30-16:00: Old Song, New Verse -- Easier
    Spectral Questions via Algebraic Restrictions. Jeffrey Stuart.

16:00-16:30: Homotopy method for singular multiparameter eigenvalue problems. Zhijun Wang.

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