

DAY-BY-DAY PROGRAM

Wednesday, November 10	
08:10–08:50	<i>Registration</i>
08:50–09:00	<i>Workshop opening</i>
09:00–09:50	ELISABETH LARSSON: <i>Simulating the human respiratory system from an approximation perspective</i>
09:50–10:10	FRANCESCO MARCHETTI: <i>From the extended Rippa's scheme to the Efficient Reduced Basis Algorithm (ERBA)</i>
10:10–10:30	ALESSIA PERTICARINI: <i>A decomposition technique of a RBFs interpolation matrix in \mathbb{R}^2</i>
10:30–11:00	Coffee break
11:00–11:20	MARKUS WEIMAR: <i>Adaptive BEM and Besov-type spaces based on wavelet expansions</i>
11:20–11:40	JANINA HÜBNER: <i>Tree approximation in Besov- and Triebel-Lizorkin-type spaces based on wavelet expansions</i>
11:40–12:00	MARIA CARMELA DE BONIS: <i>On the solution of Prandtl type equations by a Filtered interpolation method</i>
12:00–12:20	IULIA MARTINA BULAI: <i>Graph signal processing and wavelet packets</i>
12:20–12:40	CHIARA FUDA: <i>On the numerical stability of barycentric rational interpolation</i>
12:40–14:30	Lunch time
14:30–15:20	VLADIMIR YU. PROTASOV: <i>Multivariate splines and subdivisions constructed by space tilings</i>
15:20–15:40	GIUSEPPE GIORDANO: <i>On the numerical time-discretization of stochastic Hamiltonian problem</i>
15:40–16:00	NAJOUA SIAR: <i>Numerical solution of Poisson equation with Dirichlet boundary conditions through multinode Shepard operators</i>
16:00–16:20	EMILIANO CIRILLO: <i>A novel region extraction algorithm with applications to B-splines quasi-interpolants</i>
16:20–16:40	DMITRY BATENKOV: <i>Spectral properties of Vandermonde matrices with clustered nodes and the limits of sparse super-resolution</i>
16:40–17:00	CAROLINE MOOSMÜLLER: <i>A factorization framework for Hermite subdivision schemes reproducing polynomials of high degree</i>
17:00–17:20	SÔNIA M. GOMES: <i>Composite Duffy's Approximations on Scaled Polytopes for an Operator Adapted Method</i>
17:20–18:50	Poster Session (& aperitif)

Thursday, November 11	
09:00–09:50	ULRICH REIF: <i>Geometric Hermite Subdivision</i>
09:50–10:10	SERGIO LÓPEZ-UREÑA: <i>A non-oscillatory butterfly subdivision scheme</i>
10:10–10:30	LUCIA ROMANI: <i>Class A matrices with a real spectrum and associated planar special Bézier curves</i>
10:30–11:00	Coffee break
11:00–11:20	ALBERTO VISCARDI: <i>Order 4 and 6 Exponential-Polynomial PH Curves</i>
11:20–11:40	MOHAMMAD KARIMNEJAD ESFAHANI: <i>On the Stencil Selection for Moving Least Square Method</i>
11:40–12:00	GIANLUCA VINTI: <i>A mathematical model for the reconstruction of digital images: a brief overview of the results of the Perugia research group</i>
12:00–12:20	LAURA ANGELONI: <i>Estimates in variation for multidimensional sampling-type operators and applications</i>
12:20–12:40	MARIAROSARIA NATALE: <i>On some quantitative estimates for nonlinear multivariate sampling Kantorovich operators</i>
12:40–14:30	Lunch time
14:30–15:20	FRANK FILBIR: <i>Shift Invariant Spaces related to the Special Affine Fourier Transform</i>
15:20–15:40	EMILE PAROLIN: <i>Stable approximation of Helmholtz equation solutions by evanescent plane waves</i>
15:40–16:00	THOMAS MEJSTRIK: <i>Elliptic polytopes and invariant norms of linear operators</i>
16:00–16:40	Coffee break
16:40–17:00	GIUSEPPE FLORIDIA: <i>Approximate controllability for nonlinear reaction-diffusion equations</i>
17:00–17:20	WOULA THEMISTOCLAKIS: <i>Image resizing by Lagrange and de la Vallée Poussin type interpolation</i>
17:20–17:40	ARIANNA TRAVAGLINI: <i>Sampling Kantorovich operators for the detection of brain pathologies</i>
12:40–14:30	RITA Meeting
20:30	Social Dinner

Friday, November 12	
08:40–09:50	UMI T.A.A. Meeting
09:50–10:10	MARTINA MAIURIELLO: <i>Dynamics of Shift-like Operators on L^p-spaces</i>
10:10–10:30	MARCO SERACINI: <i>Sampling type Operators for retinal characterization</i>
10:30–11:00	Coffee break
11:00–11:20	MARYAM MOHAMMADI: <i>A shape preserving quasi-interpolation operator based on a new transcendental RBF</i>
11:20–11:40	GIOVANNI PAGANO: <i>Explicit peer methods with jacobian-dependent coefficients</i>
11:40–12:00	GABRIELE SANTIN: <i>Kernel methods for center manifold approximation</i>
12:00–12:20	DANILO COSTARELLI: <i>Approximation properties of the sampling Kantorovich operators: regularization, saturation, inverse results and Favard classes in L^p-spaces</i>
12:20–14:30	Closing remarks & Lunch (offered)