

MS15: New trends in applicable approximation theory Organizers: Roberto Cavoretto and Luisa Fermo***Part I - Tuesday, August 29th***

Time	Speaker	Name of the talk
10:45-11:10	Francesco Dell'Accio	On the constrained mock-Chebyshev least squares operator with applications
11:10-11:35	Josephin Giacomini	A Spectral Approach for the Solution of Differential Equations
11:35-12:00	Nadaniela Egidi	Multivariate Numerical Derivatives as an Integral Equation Solution
12:00-12:25	Sandro Lancellotti	Shape Parameter and Radius Search in Partition of Unity
12:25-12:50	Giuseppe Rodriguez	On approximating discrete measures
12:50-13:15	Federico Romaniello	Community Detection and Interpolation on Graphs

Part II - Wednesday, August 30th

Time	Speaker	Name of the talk
10:45-11:10	Fabio Cassini	A μ -mode framework for tensor structured problems, with an application to evolutionary differential equations
11:10-11:35	Patricia Diaz de Alba	On the application of anti-Gauss cubature rules to second-kind integral equations on the square
11:35-12:00	Laura Rinaldi	On approximating fictitious heat sources arising in an inverse heat transfer problem
12:00-12:25	Incoronata Notarangelo	Polynomial approximation and numerical integration with exponential weights
12:25-12:50	Federica Pes	Riesz Representation Theorem as a tool for regularized solution of integral equations
12:50-13:15	Milvia Rossini	Discontinuity detection from scattered data by kernel based techniques