

XXXI Conference in Harmonic Analysis

Schedule of talks

Monday May 30th

10:00-10:30, Vincenzo Ancona, *Welcome*

11:00-11:30, Massimo Picardello, *Introduction*

12:00-13:00, Adam Korányi, *Twisted Poisson integrals on bounded symmetric domains*

15:30-16:20, Jean-Philippe Anker, *Nonlinear wave equations on hyperbolic spaces*

16:30-17:00, Emanuela Sasso, *Weak-type Inequality for conjugate first order Riesz-Laguerre Transforms*

17:15-17:45, Ernesto De Vito, *Spectral methods for learning a set*

Tuesday May 31st

9:30-10:30, Michael Cowling, *A short course on powers of random matrices*

10:45-11:45, Alberto Setti, *Stochastic properties of Riemannian manifolds and application to PDEs*

11:55-12:25, Maria Vallarino, *Heat maximal function on a Lie group of exponential growth*

12:30-13:00, Gian Maria Dall'Ara, *Algebras of singular integrals on nilpotent groups*

15:15-16:15, Fausto di Biase, *On the boundary behaviour of holomorphic functions*

16:25-17:05, Nicola Arcozzi, *Spazi di funzioni connessi allo spazio di Dirichlet*

17:20-17:50, Giacomo Gigante, *Quadrature rules and distribution of points on manifolds*

Wednesday June 1st

9:00-9:45, Giancarlo Mauceri, *A new family of Hardy spaces on manifolds of exponential growth*

10:15-11:15, Michael Cowling, *Powers of random matrices, II*

11:30-12:10, Alessandro Ottazzi, *Ultrarigid tangents on sub-Riemannian nilpotent groups*

12:20-13:00, Sandra Saliani, *Rappresentazioni vettoriali monotone di un gruppo libero*

15:00-15:30, Giorgio Talenti, *How (and why) to go beyond a caustic*

15:50-16:35, Andrea Carbonaro, *Bellman function and linear dimension-free estimates in a theorem of D. Bakry*

16:45-17:15, Giulia Furioli, *The grazing collision limit of the inelastic Kac model*

17:30-18:00, Bianca Di Blasio, *Fourier transform of Schwartz functions on the Heisenberg group*

20:00, Social dinner at Restaurant *Grappolo d'Oro*, Via Palestro 4/10, Roma

Thursday June 2nd - Aula di Consiglio, Dept of Mathematics “G. Castelnuovo”

9:00-10:00, Vadim Kajmanovich, *Equivalence relations, random graphs and stochastic homogenization*

10:30-11:30, Alessandra Iozzi, *Mostow rigidity theorem, revisited*

12:00-13:00, Joan Verdera, *New estimates for the maximal singular integral*

Friday June 3rd

9:00-10:00, Fulvio Ricci, *Coppie di Gelfand e funzioni di Schwartz*

10:30-11:30, Sara Volpi, *Pointwise convergence of Bochner-Riesz means in Sobolev spaces*

12:00-13:00, Michael Cowling, *Powers of random matrices, III*

Aula di Consiglio, Dept of Mathematics “G. Castelnuovo”

15:30-17:30 *Workshop and poster sessions*

Saturday June 4th - Aula di Consiglio, Dept of Mathematics “G. Castelnuovo”

9:00-10:00, Anthony Carbery, *The Multilinear Keakeya theorem, factorisation and algebraic topology*

10:30-11:30, Tullio Ceccherini-Silberstein, *Cellular automata, surjectivity and sofic groups*

11:45-12:45, Enrico Casadio-Tarabusi, *Concluding remarks*