

Fourier Analysis and Partial Differential Equations II

Ferrara, 29-30 January 2024

Dipartimento di Matematica e Informatica, Università di Ferrara

Via Machiavelli, 30

Aula Magna

SCHEDULE

Monday morning

9:00 - 9:15	Registration	
9:15 - 9:30	Luigi Rodino	Opening
9:30 - 10:00	Paolo Boggiatto	An application of the Wigner transform to Quasicrystals of Fourier type
10:00 - 10:30	Vicente Asensio	The Wigner global wave front set in ultradifferentiable classes
10:30 - 11:00	Alessandro Palmieri	On a nonlinear wave equation in the contracting de Sitter spacetime with a critical nonlinearity
11:00 - 11:30	Coffee break	
11:30 - 12:00	Marco Cappiello	Global hypoellipticity and solvability for evolution operators in Gelfand-Shilov spaces
12:00 - 12:30	Carmina Fernández	Composition operator on Gelfand-Shilov classes

Monday afternoon

15:00 - 15:30	Sandro Coriasco	Boundedness of pseudodifferential and Fourier integral operators on Orlicz spaces
15:30 - 16:00	Sandra Lucente	Scattering for defocusing Semilinear Klein-Gordon equation with a magnetic field
16:00 - 16:30	Thomas Kalmes	Boundary values of zero solutions of hypoelliptic differential operators in ultradistribution spaces
16:30 - 17:00	Coffee break	
17:00 - 17:30	Angela Albanese	Multipliers and Convolutors of the space $\mathcal{S}_\omega(\mathbb{R}^N)$ of the ω -ultradifferentiable rapidly decreasing functions of Beurling type and the action of the Fourier transform
17:30 - 18:00	Patrik Wahlberg	Propagation of anisotropic Gabor singularities for Schrödinger type equations

Tuesday morning

9:30 - 10:00	Elisabetta Mangino	Generalized Gaussian Estimates for Elliptic Operators with Unbounded Coefficients on Domains
10:00 - 10:30	Alexandre Arias jr	Some remarks on the Cauchy Problem for Schrödinger type equations in Gelfand-Shilov spaces
10:30 - 11:00	David Jornet	Compactness of the Weyl operator in \mathcal{S}_ω
11:00 - 11:30	Coffee break	
11:30 - 12:00	Marcello D'Abbicco	Sharp $L^p - L^q$ estimates for an oscillatory-diffusive multiplier
12:00 - 12:30	Elena Cordero	Wigner Representation of Schrödinger Propagators

Tuesday afternoon

15:00 - 15:30	Claudia Garetto	Higher order hyperbolic equations with multiplicities
15:30 - 16:00	Alessandro Oliaro	Mean-dispersion principles and the Wigner transform
16:00 - 16:30	Gerhard Schindl	Stability properties of ultraholomorphic classes of Roumieu-type defined by weight matrices
16:30 - 17:00	Coffee break	
17:00 - 17:30	Fernando de Ávila Silva	A class of globally hypoelliptic systems of periodic pseudodifferential operators
17:30 - 18:00	Gianluca Garello	Pseudodifferential operators with completely periodic symbol and applications to Gabor frames