

Workshop

FOURIER ANALYSIS AND PARTIAL DIFFERENTIAL EQUATIONS

Ferrara, 10th – 11th September 2018

Program

Monday 10th	
9:00-9:30	Registration
9:30-10:05	J. Toft: Paley-Wiener properties in a Bargmann setting
10:10-10:45	T. Kalmes: An approximation theorem of Runge type for kernels of certain non-elliptic partial differential operators
10:50-11:20	Coffee-break
11:20-11:55	S. Lucente: Large data solutions for a class of nonlinear dissipative equations
12:00-12:35	M. D'Abbicco: Critical exponent(s) for the semilinear fractional diffusive equation(s)
13:00	Lunch at "Il Sorpasso"
15:00-15:35	M. Capiello: Phase space analysis of Fourier integral operators and Lagrangian distributions in the Shubin class
15:40-16:15	P. Wahlberg: Shubin type Fourier integral operators and evolution equations
16:20-16:50	Coffee-break
16:50-17:25	C. Wenhui: Weakly coupled systems of semi-linear elastic waves with different damping mechanisms in 3D
20:00	Social dinner at "Cà d'Frara"

Tuesday 11 th	
9:30-10:05	A. Conejero: Hypercyclic algebras for convolution and composition operators
10:10-10:45	S. Coriasco: Equivalent representations and principal symbol map of scattering Lagrangian distributions
10:50-11:20	Coffee-break
11:20-11:55	A. Oliaro: Real Paley-Wiener Theorems in Ultradifferentiable Spaces
12:00-12:35	V. Asensio: Global pseudodifferential operators in a ultradifferentiable setting
13:00	Lunch at "Este Bar"
15:00-15:35	M. Cicognani: The Sharp Gårding Inequality for Matrix Operators with Symbols of Limited Smoothness
15:40-16:15	G. Garello: Inhomogeneous microlocal analysis in Fourier Lebesgue spaces
16:20-16:50	Coffee-break
16:50-17:25	A. Abdeljawad: Fundamental solutions to involutive hyperbolic Cauchy problems for operators with polynomially bounded coefficients