



Workshop “Recent Advances in Analysis and Applications”

October 19, 2022, Building F3-134

8:45 – Opening Ceremony – Dean Message

9:00 – 9:50 – S. Thangavelu “How fast can the Fourier transform of a compactly supported function decay?”

9:50 – 10:30 Coffee Break

10:30-11:20 – W. Bao “Multiscale methods and analysis for the highly oscillatory nonlinear Klein-Gordon equation”

11:20 – 12:10 – A. Meskhi “Multilinear Fractional Integrals: Boundedness criteria and Sharp Estimates”

12:10- 14:00 – Lunch

Session 1 (f2f and online)	Time	Session 2 (online)
C. Enache – “On two monotonicity results for the p-torsional rigidity”	14:00- 14:30	
A. Tridane – “A new approach for the basic reproduction ratio of a diffusive size-structured population model with delay”	14:30- 15:00	G. Oniani – “On sets of divergence of Fourier series in systems of characters for compact Abelian groups
F. Mukhamedov – “On zero-two law for positive contractions of Banach-Kantorovich spaces”	15:00- 15:30	S. Souhaile – “Disturbances compensation for two-dimensional parabolic equation with time varying delays”
Coffee Break	15:30- 16:00	Coffee Break
H. Alaqad – “Identities in the moduli space of Kleinian groups”	16:00- 16:30	A. Silva – “Existence, uniqueness and stability to a class fractional order differential equations”
U. Goginava – “Almost everywhere convergence of Cesàro means with varying parameters of Walsh-Fourier series”	16:30- 17:00	W. Teng – “Hardy inequalities for fractional (k, a)-generalized harmonic oscillator”
I. Blahota – “Approximation by matrix transform of Walsh and Vilenkin-Fourier series”	17:00- 17:30	Z. Bouteffal – “Controllability results for second order abstract differential equations with state-dependent delay”
K. Nagy – “Cone-like restricted summability of the two-dimensional Walsh-like systems”	17:30- 18:00	

Workshop “Recent Advances in Analysis and Applications”

October 20, 2022, Building F3-134

9:00-9:50 – D. Torres “Calculus of Variations and Optimal Control with Fractional-Order Derivatives”

9:50–10:40 – S. Messaoudi “On a damped wave equation with variable-exponent nonlinearities”

10:40 – 11:30 – Coffee Break

11:30 – 12:20 – G. Martin “A variational Teichmüller theory”

12:20 – 13:10 – N. Masmoudi “Reversal in the Stationary Prandtl Equations”