

University of M'sila

Faculty of Mathematics & Computer Science

Laboratory of Functional Analysis & Geometry of Spaces

8th M'sila Conference on Mathematical Analysis

" Banach spaces & Operator theory" October 23rd, 2024. M'sila, Algeria

PROGRAM SCHEDULE

Room 04

Topic 04: Functional analysis of ODEs

10:00-10:20	MERYEM CHETTI	SOLUTIONS TO COMPLEX LINEAR DIFFERENTIAL EQUATIONS WITH FAST-GROWING COEFFICIENTS
10:20-10:40	LADJEROUD AMAL	APPROXIMATE BOUND STATES FOR SCHRÖDINGER EQUATION FOR THE GENERALIZED CORNELL POTENTIAL PLUS MANNING-ROSEN POTENTIAL
10:40-11:00	ARAOUR MERIEM	ON THE EXISTENCE AND UNIQUENESS OF THE SOLUTION OF THE FUZZY CAUCHY INTEGRO-DIFFERENTIAL EQUATION
11:00-11:20	BOUDERSA FERIEL	THE STUDY OF SOLUTION IN ANISOTROPIC SOBOLEV SPACES FOR A COUPLED SYSTEM OF GENERALIZED KADOMTSEV-PETVIASHVILI II (KP-II) EQUATIONS
11:20-11:40	Coffee Break	

11:40-12:00	Melki Zakaria	LINKED FRACTIONAL DIFFERENTIAL EQUATION SYSTEM WITH NON-LOCAL CONSTRAINTS
12:00-12:15	FATIMA EZAHRA BENTATA	EXISTENCE OF SOLUTIONS AND NUMERICAL SOLUTION FOR A HYPERBOLIC KIRCHHOFF-TYPE PROBLEM WITH A VOLUME CONSTRAINT
12:15-12:30	DJIBAOUI MERIEM	VARIATIONAL APPROACH TO A SECOND ORDER P-LAPLACIAN IMPULSIVE BOUNDARY VALUE PROBLEM ON THE HALF LINE
12:30-12:45	AMIROUCHE MOUHOUS	INVESTIGATING SOLUTION EXISTENCE IN FIRST-ORDER BOUNDARY VALUE EQUATIONS: A NEW THEORETICAL APPROACH

12:45-13:00	SOUAD BOUNOUIGA	MODELING PERDATOR-PERY DYNAMICS USING THE CAPUTO DIFFERENTIAL OPERATOR
13:00-13:20	BOUAFIA DAHMANE	EXISTENCE AND MULTIPLICITY OF SOLUTIONS FOR A SECOND ORDER QUASILINEAR EQUATIONS VIA VARIATIONAL METHODS
13:30	Closing and Lunch	