



جامعة غليزان
Université de Relizane
كلية العلوم والتكنولوجيا
Faculté des Sciences et de la Technologie
قسم الرياضيات
Département de Mathématiques



Programme de la Conférence

مؤتمر وطني للمهندسة التفاضلية والأنظمة الديناميكية

Conférence nationale sur la GEOMETRIE DIFFERENTIELLE et SYSTEMES DYNAMIQUES GDSD'23

يومي 19-20 ديسمبر 2023 غليزان الجزائر
19-20, DECEMBRE 2023 RELIZANE-ALGÉRIE

Mardi 11.05.2022 /
09:00-12:00

Google Meet: <https://meet.google.com/ae-y-eoup-str>

09 :00- 09 :05	القران الكريم
09 :05- 09 :10	L'hymne national
09 :10- 09 :15	Mot du recteur de l'Université de Relizane Prof. BAHRI Ahmed
09 :15- 09 :20	Mot du Doyen du la Faculté des Sciences et de la Technologie Dr. BAGHDADI Djilali
09 :20- 09 :25	Mot du president de la conference GSDS'2023 Dr. ZAGANE Abderrahim
	Chairman of planner Prof. DJAA NOUR EL HOUDA

Google Meet Link: <https://meet.google.com/ae-y-eoup-str>

09 :25- 10 :10	Prof. OUAKKAS Seddik « Université de Saida » Conférence Plénière FORMULES DE MONOTONIE, APPLICATIONS ET GENERALISATION
10 :10- 10 :30	café
10 :30- 11 :15	Prof. BENYETTOU Abdelkader « Université de Relizane » Conférence Plénière L'INTELLIGENCE ARTIFICIELLE ET LE DEEPLARNING
11 :15- 12 :00	Prof. HATHOUT Fouzi « Université de Saida » Conférence Plénière HELIX AND SPIRAL CURVES, THEIR COUNTERPARTS, AND SOME PROPOSED RESEARCH FIELDS

Mardi 19.12.2023/

SESSION: D /
Prof. GUENDOOUZ CHEIKH

En Mode Présentiel		
Hours	Oral Presentation Speakers	Presentation Titles
14 :00- 14 :15	SAADIA CHAOUI	GEOMETRY OF THE TANGENT BUNDLE WITH THE VERTICAL GENERALIZED BERGER TYPE DEFORMED SASAKI METRIC
14 :15- 14 :30	BELQASSIM AZZOUZ	FRACTIONAL ORDER DIFFERENTIAL SYSTEMS INVOLVING RIGHT CAPUTO AND LEFT RIEMANN-LIOUVILLE FRACTIONAL DERIVATIVES WITH NONLOCAL COUPLED CONDITIONS
14 :30- 14 :45	YFRAH ABED	EXISTENCE AND UNIQUENESS OF SOLUTIONS FOR A 2D-WAVE EQUATION WITH DYNAMICAL BOUNDARY CONTROL
14 :45- 15 :00	Bellabes Zineb	On the study of \varPsi -Caputo fractional impulsive differential equations involving variationl approach
15 :00- 15 :15	CHERIEF RACHID	MODIFIED RATIONAL TRIGONOMETRIC - HYPERBOLIC FUNCTIONS METHOD TO CONSTRUCT EXACT SOLUTIONS OF THE CONFORMABLE TIME FRACTIONAL (1 + 1) - DIMENSIONAL BENNEY - LUKE EQUATION
15 :15- 15 :30	BERRAILES ALI	ZERO OF THE SUM OF TWO MAXIMAL MONOTONE OPERATORS WITH MINIMIZATION PROBLEM
15 :30- 15 :45	DJAMEL-EDDINE HETTADJ	SUFFICIENT CONDITIONS FOR THE EXISTENCE OF SOLUTIONS FOR A THIRD ORDER BOUNDARY VALUE PROBLEMS

Mardi 19.12.2023 /

**SESSION: 1 HALL: 1 /
Prof. BOUADJEMI ABDELKADER**

En Mode Présentiel		
Hours	Oral Presentation Speakers	Presentation Titles
14 :00- 14 :15	Zagane abderahim	SOME PROPERTIES OF GEODESIC ON TANGENT BUNDLE WITH ϕ -SASAKI METRIC
14 :15- 14 :30	KHEIREDDINE BIROUD	EXISTENCE AND MULTIPLICITY RESULTS FOR NONLINEAR ELLIPTIC EQUATIONS INVOLVING MIXED LOCAL AND NONLOCAL OPERATOR
14 :30- 14 :45	Djourdem hbib	USING FIXED POINT THEOREMS FOR MULTIVALUED MAPS TO NONLINEAR FRACTIONAL DIFFERENTIAL INCLUSIONS
14 :45- 15 :00	Benaissa abdelkader	Global existence and energy decay of solutions for the Wave equation with a time varying delay term.
15 :00- 15 :15	NOREDDINE REZOUG	S-ASYMPTOTICALLY ω -PERIODIC MILD SOLUTIONS FOR SECOND ORDER EVOLUTION EQUATIONS
15 :15- 15 :30	Slimane Mahdi	Fractional Differential Inclusions with Non Instantaneous Impulses in Banach Spaces

Mardi 19.12.2023 /

SESSION: 1 HALL: 2 /
Prof. DJILALI MEDJAHED

googlemeet Link: <https://meet.google.com/pdw-bxhf-nkd>

Hours	Oral Presentation Speakers	Presentation Titles
16 :00- 16 :15	Radjai abir	SUR LA RESOLUTION NUMERIQUE DES EQUATIONS INTEGRALES DANS UN DOMAINE NON BORNEE
16 :15- 16 :30	Sabit Souhila	THE APPLICATION OF THE KURATOWSKI MNC TECHNIQUE ON IMPLICIT FRACTIONAL DIFFERENTIAL EQUATIONS OF VARIABLE
16 :30- 16 :45	Amira Abdelnebi	UNIQUENESS AND ULAM HYERS STABILITY RESULTS FOR SEQUENTIAL FRACTIONAL PANTOGRAPH DIFFERENTIAL EQUATION
16 :45- 17 :00	ABIBSSI IMANE	NONLOCAL SECOND ORDER PERTURBED EVOLUTION EQUATIONS WITH FINITE STATE-DEPENDENT DELAY
17 :00- 17 :15	ABDELKADER BRAIK	WELL-POSEDNESS AND ENERGY DECAY RATES FOR A TIMOSHENKO-TYPE SYSTEM WITH INTERNAL TIME-VARYING DELAY IN THE DISPLACEMENT
17 :15- 17 :30	Bekai Djilali	The Class of (n,m) Power-A-Quasi-Hyponormal Operators in Semi-Hilbertian Space

Mardi 19.12.2023 /

SESSION: 1 HALL:3 /
Prof. KHERBOUCHE NAWAL

googlemeet Link: https://meet.google.com/drj-dekk-qzi		
Hours	Oral Presentation Speakers	Presentation Titles
18 :00- 18 :15	mehdi naimi	NUMERICAL RADIUS BOUNDS OF 2×2 BLOCK MATRICES
18 :15- 18 :30	Omar Cherifi	ON THE ALMOST SURE CONVERGENCE FOR WEIGHTED SUMS OF WIDELY ORTHANT DEPENDENT RANDOM VARIABLES
18 :30- 18 :45	Mohammed Salah M'HAMDI	WEIGHTED PSEUDO ALMOST-PERIODICITY ON IMPULSIVE TYPESTATIC DELAYED RNNS
18 :45- 19 :00	BAHRI Nouredine	Existence and general decay estimates for a weakly coupled wave equation with Disseminated General Internal Control
19 :00- 19 :15	Youcef Mezzar	ON SOME FAST POISSON SOLVERS

**Mardi 19.12.2023 /
SESSION: 1 HALL: 4 /
Prof. DJOURDEM HABIB**

googlemeet Link: <https://meet.google.com/fyg-ydq-zne>

Hours	Oral Presentation Speakers	Presentation Titles
20 :00- 20 :15	MEDJAHDI BRAHIM	Classification of affine factorable surfaces verifying $\Delta I, I\text{Iri} = \lambda \text{iri}$ in $I3$
20 :15- 20 :30	Abdelkrim Kina	ON THE DYNAMICS OF CLASS OF AUTONOMOUS POLYNOMIAL DIFFERENTIAL SYSTEMS
20 :30- 20 :45	BILLAL LEKDIM	BOUNDARY CONTROL OF A VERTICAL FLEXIBLE PIPE CONVEYING FLUID UNDER DISTRIBUTED DISTURBANCE
20 :45- 21 :00	ABDELKRIM BOUADJEMI	Enhancing RBAC with Artificial Intelligence and Mathematical Logic
21 :00- 21 :15	MOHAMMED RABAH	Elliptic problems with Robin boundary coefficient - operator condition containing two spectral parameters, non-commutative framework
21 :15- 21 :30	NOUREDDINE BOUTERAA	STABILITY ANALYSIS OF STOCHASTIC PROBLEM

Mardi 19.12.2023 /

**SESSION: 2 HALL: 1 /
Prof. KAID MOHAMED**

googlemeet Link: https://meet.google.com/pdw-bxhf-nkd		
Hours	Oral Presentation Speakers	Presentation Titles
14 :00- 14 :15	Souheyb Dehimi	ON REID'S INEQUALITY
14 :15- 14 :30	Leila SLIMANE	MIXED METHOD FOR STIFF TRANSMISSION PROBLEM WITH SIGNORINI BOUNDARY CONDITIONS
14 :30- 14 :45	Hamed Ikram	NECESSARY OPTIMALITY CONDITION FOR SYSTEM DRIVEN BY FRACTIONAL BROWNIAN MOTION
14 :45- 15 :00	Latifa MOUMEN	THE POLYNOMIAL STABILTY OF THE INTERCONNECTED WAVE/PLATE SYSTEMS
15 :00- 15 :15	Fatiha AZZEMOU	Analyse des Paramètres de Cellules Solaires a l'aide d'Equations Différentielles Fractionnaires

Mardi 19.12.2023 /

SESSION: 2 HALL: 2 /
Prof. MENAD ABDALLAH

Google Meet Link: https://meet.google.com/tis-cfyb-abx		
Hours	Oral Presentation Speakers	Presentation Titles
16 :00- 16 :15	Mokhtar Khassani	POPULATION DYNAMICS IN TWO PATCHS AND ITS APPLICATIONS ON PDE
16 :15- 16 :30	LAID DJILALI	PROBLEMES ASYMPTOTIQUES POUR CERTAINES EQUATIONS AUX DERIVEES PARTIELLES
16 :30- 16 :45	ABALLAH MENAD	DIFFERENTIAL EQUATIONS WITH OPERATOR COEFFICIENTS AND CONCRETE APPLICATIONS
16 :45- 17 :00	Yasmine Fourar	NOVEL NON-STATIONARY BIORTHOGONAL WAVELET DESIGN AND ITS IMPACT ON MEDICAL IMAGE PRECISION
17 :00- 17 :15	Zoubida Bouazza	RIEMANN-LIOUVILLE FRACTIONAL DIFFERENTIAL EQUATIONS WITH ANTI-PERIODIC BOUNDARY CONDITIONS OF VARIABLE ORDER

Mardi 19.12.2023 /

SESSION: 2 HALL: 3 /
Prof. MOHAMMEDI MUSTAPHA

googlemeet Link: https://meet.google.com/pdw-bxhf-nkd		
Hours	Oral Presentation Speakers	Presentation Titles
20 :00- 20 :15	Benaoumeur Bayour	A new class of almost contact metric structures
20 :15- 20 :30	allali mohammed	STABILITY OF THE KORTEWEG-DE VRIES EQUATION WITH DELAY IN A BOUNDED DOMAIN
20 :30- 20 :45	ABDELKADER DAHMANI	SOME PROPERTIES OF MEROMORPHIC SOLUTIONS OF LDE'S NEAR A SINGULAR POINT
20 :45- 21 :00	Houari FETTOUCH	Growth of Solutions of Linear Differential Equations in Unit Disc
21 :00- 21 :15	Mohammed KAID	Systems PHI-Hilfer
21 :15- 21 :30	GUIDOUM Arsalane Chouaib	APPROXIMATE QUASI-LIKELIHOOD ESTIMATION OF A DISCRETELY OBSERVED DIFFUSION PROCESS

Mercredi 20.12.2023 /

**SESSION: 3 HALL: 1 /
Prof. REMIL MELOUKA**

googlemeet Link: https://meet.google.com/ogx-smbg-hni		
Hours	Oral Presentation Speakers	Presentation Titles
09 :00- 09 :15	abbassia benchiha	FUNCTIONAL LINEAR LOCAL ESTIMATION:MISSING DATA
09 :15- 09 :30	BENAKLEF Nesrine	FIRST-ORDER FRACTIONAL AUTOREGRESSIVE MODELS
09 :30- 09 :45	Nadjet yagoub	ETUDE D'UN PROBLEME BIHARMONIQUE CONTENANT DES SINGULARITES PRESCRITES
09 :45- 10 :00	Anissa Elgues	ON LINEAR OPERATORS FOR WHICH TTD IS NORMAL
10 :00- 10 :15	MEZIANI Tinhinane	NON-SMOOTH PREY HARVESTING ON RATIO-DEPENDENT PREDATOR-PREY MODELS

Mercredi 20.12.2023 /

SESSION: 4 HALL: 1 /
Prof. BOUSSEKKINE NAIMA

googlemeet Link: https://meet.google.com/kjq-smnf-jku		
Hours	Oral Presentation Speakers	Presentation Titles
09 :00- 09 :15	Heddi kaddouri	FIXED POINT THEOREMS FOR MULTIVALUED WORDOWSKI TYPE CONTRACTIONS IN B-METRIC SPACES WITH AN APPLICATION TO INTEGRAL INCLUSIONS
09 :15- 09 :30	Elhadj moussa Yacine	ANALYSIS OF CAPUTO FRACTIONAL ORDER DERIVATIVE OF COVID-19 TRANSMISSION DYNAMICS
09 :30- 09 :45	LYDIA AMZAL	ROBBINS MONRO'S STOCHASTIC ALGORITHM FOR SOLVING A NON-PARAMETRIC
09 :45- 10 :00	Ghettout Yasmina	ANALYSE DYNAMIQUE D'UN SYSTEME HYPERCHAOTIQUE AVEC DES ATTRACTEURS COEXISTANTS
10 :00- 10 :15	Maatougui Belaala	ON SOME LIPSCHITZ $(p; r; s)$ -SUMMING OPERATORS
10 :15- 10 :30	Houari Bouzid	EXISTENCE RESULTS FOR NONLINEAR FRACTIONAL-ORDER DIFFERENTIAL EQUATIONS WITH CAPUTO'S Q-DERIVATIVE

Mercredi 20.12.2023 /

SESSION: 5 HALL: 1 /
Prof. REZOUG NOREDDINE

Google Meet Link: https://meet.google.com/ucr-vrnb-phy		
Hours	Oral Presentation Speakers	Presentation Titles
09 :00- 09 :15	Slimani Mohammed asseddik	EXISTENCE OF SOLUTIONS FOR SYSTEMS OF RANDOM DIFFERENCE INCLUSIONS
09 :15- 09 :30	MARWA KHEMIS	ON THE EXISTENCE OF POSITIVE PERIODIC SOLUTIONS OF A FIRST ORDER NEUTRAL ITERATIVE DIFFERENTIAL EQUATION
09 :30- 09 :45	Rachid Yahi	STRONGLY $(p;)$ ABSOLUTELY LIPSCHITZ OPERATORS
09 :45- 10 :00	KHALED BOUDJEMA DJEFFAL	SOME A NEW RESULTS ABOUT THE CONVECTION BOUNDARY LAYER FLOW OVER A VERTICAL SURFACE EMBEDDED IN A POROUS MEDIUM
10 :00- 10 :15	HAMLET ZOUAUI	A PRESENTATION OF MODEL PREY-PREDATOR IN A DIFFERENTIAL INCLUSIONS SYSTEM
10 :15- 10 :30	KHELIFA HIZIA	KRASOVSKII STABILITY THEOREMS FOR TIME-VARYING TIME-DELAY SYSTEMS
10 :30- 10 :45	ABDELWAHHAB HAMMOUDI	EXACT PENALTY FUNCTION METHOD AND NECESSARY OPTIMALITY CONDITIONS FOR OPTIMAL CONTROL PROBLEMS

Mercredi 20.12.2023 /
SESSION: 6 HALL: 1/
Prof. MAHDI FATIMA ZOHRA

Google Meet Link: <https://meet.google.com/yeg-hsad-rzp>

Hours	Oral Presentation Speakers	Presentation Titles
09 :00- 09 :15	dekkiche nora	STUDY OF SOME DIFFUSION PROBLEMS WITH INRERFACE AND CONCRETE APPLICATIONS
09 :15- 09 :30	Tahar Belhadi	ELZAKI VARIATIONAL ITERATION METHOD (EVIM) FOR SOLVING NONLINEAR TIME-FRACTIONAL PARTIAL DIFFERENTIAL EQUATIONS
09 :30- 09 :45	Souad Salmi	NEW APPROACH TO ROBUST STABILITY IN FRACTIONAL GENERALIZED MULTIDIMENSIONAL STATE SPACE SYSTEMS
09 :45- 10 :00	Beddani charef	Sums of prime element orders in finite groups
10 :00- 10 :15	Beddani charef	On the commutativity of groups.
10 :15- 10 :30	Abdelkader bouadjemi	Intégration des Équations Différentielles Stochastiques dans le Cadre de la Finance Islamique
10 :30- 11 :45	MAAZOUZ KADDA	Katugampola Fractional Problems

Mercredi 20.12.2023 /
SESSION: 5 HALL: 2 /
Prof. SANA CHOUIA

Google Meet Link: https://meet.google.com/yeg-hsad-rzp		
Hours	Oral Presentation Speakers	Presentation Titles
11 :00- 11 :15	TAYEBI SOUMIA	APPLYING THE CUBIC B-SPLINE TECHNIQUE TO SOLVE THE PAINLEVE AND BAGLEY-TROVIK EQUATIONS IN THE CONTEXT OF CONFORMABLE
11 :15- 11 :30	Remil REMIL MELOUKA	Existence and energy decay of solutions for a nonlinear wave equation with a constant weak delay and a logarithmic nonlinearity
11 :30- 11 :45	BOUSSEKKINE NAIMA	On the study of Ulam Hyers stability of impulsive Ψ caputo fractional differential equations.
11 :45- 12 :00	WAHIBA MESSIRDI	SOME RESULTS ABOUT 2-PRIME IDEALS
12 :00- 12 :15	KHERBOUCHE Nawal	Étude de stabilité pour un modèle mathématique de la leucémie myéloïde chronique
12 :15- 12 :30	MAHDI FATIMA ZOHRA	GLOBAL ATTRACTORS FOR A NONLINEAR BRESSE SYSTEM WITH DELAY IN THE INTERNAL FEEDBACKS
12 :30- 12 :45	Sana Chouia	Statistical inference for the q-exponential model and its applications