



**University Center of Barika
Institute of Science
Department of Mathematics**



**The 1st National Conference on Applied Algebra
22 June 2023**



NCAA'2023 Program

Thursday 22 June 2023

08h30 : Registration

08h30 – 09h15 : Opening Ceremony (Omar Bensaid Room)

Time	Plenary Session Chairman: Prof. Abdelmajid Boudaoud Link: https://meet.google.com/djd-twaf-hpp
09h15 – 10h00	Lemnaouar Zedam , Operations on ternary relations
10h00 – 10h30	Break Coffee
10h30 – 11h15	Lemnaouar Noui , Exemples d'applications de l'algèbre
11h15 – 12h00	Douadi Mihoubi , Proof by contradiction of the strong Goldbach's conjecture
12h30–13h30	Lunch served at Mibarki Restaurant

Oral parallel Sessions

Time	Session 1 (online) Chairman: Dr. Barkat Omar Link: https://meet.google.com/xei-vedv-gpw	Session 2 (online) Chairman: Dr. Noui Lemnaouar Link: https://meet.google.com/mqe-bjwo-rcw
14h00 – 14h15	Sarra Boudaoud : Characterizations of Principal fuzzy ideals and filters on a trellis	Mourad Chelgham : Generalization of Gelin-Cesàro's identity for Horadam numbers using symmetric functions
14h15 – 14h30	DJAZIA SAADI : PICTURE FUZZY SETS: ANOTHER VIEW	Amina Bellil : Quasi-cyclic codes over $Z_q + vZ_q$
14h30 – 14h45	Bouzara Reguia Lamiam : Construction Of Lattices From Codes Over Finite Chain Rings	Rokiya Sahali : Some new generating functions of the products of numbers and polynomials.
14h45 – 15h00	Sohir Zid : Some properties of the operator transform $Sr(T)$	Zahra AMEUR : Autour de l'équation Diophantienne exponentielle $(a^n - 1)(b^m - 1) = x^2$
15h00 – 15h15	Amel Ghadri : Generating functions of generalized Fibonacci polynomials with k-Mersenne numbers	Nabiha Saba : Ordinary generating functions for binary products of bivariate complex polynomials with some Gaussian $(p; q)$ -numbers



Oral parallel Sessions		
Time	Session 3 (online) Chairman: Dr. Redjough Mounir Link: https://meet.google.com/dix-xdkm-ojp	Session 4(online) Chairman: Dr. Bouremel Hassane Link: https://meet.google.com/wob-emka-sbu
14h00 – 14h15	Hanane Guelfen: Further results on A-numerical radius inequalities for certain operator matrices.	Bilel Selikh: A new construction of asymmetric encryption scheme using a non commutative ring.
14h15 – 14h30	Samiha Djemai: Reaction-Diffusion Model in Developmental Biological Sciences.	Adem Aikous: On the proprieties of Hom-groups.
14h30 – 14h45	Abdelhadi Soumia: Existence and uniqueness of solution for a coupled system of wave equations	N. Rosa AIT: Some Algebraic Properties on new Quaternion Hyper Dual Horadam Numbers.
14h45 – 15h00	Lamia Djebara: Uses of eigenvalues and eigenvectors to study the asymptotic stability of an fractional reaction-diffusion model.	NESBA Nour El Houda: Solution of non coercive Variational Inequalities by Multigrid Methods
15h00 – 15h15	Sabah Baibeche: Existence and uniqueness for nonlinear wave equations with microtemperatures in the presence of constant delay	Amira Kameche: Stability radii of uncertain systems with multiperturbations

Oral parallel Sessions		
Time	Session 5 (face to face) Chairman: Prof. Douadi Mihoubi	Session 6 (face to face) Chairman: Prof. Djamel Benterki
14h00 – 14h15	Saadaoui Kheir : Comparison between some intuitionistic fuzzy subsets and fuzzy subsets	ABDERACHID SAADI: Fractional Sobolev spaces with σ -generalized operators.
14h15 – 14h30	Brahim Ziane: More on intuitionistic fuzzy relation	Rouf Ziadi: A coevering method for global optimization.
14h30 – 14h45	Ali Oumhani : Hyperlattice-Ordered Commutative Semigroups: An Introduction	Bachir Bounibane: Primal-dual interior-point algorithm for linear optimization based on a novel kernel function with parametric barrier term.
14h45 – 15h00	Yousef Ariouat: A Fuzzy Approach for the Index Selection Problem in Data Warehouses	FERAHTIA Nassim: A composition property on certain uniform localized Lizorkin-Triebel spaces
15h00 – 15h15	Omar Barkat: On the intuitionistic fuzzy lattice-ordered subgroups	Atef saci: Problème inverse de détermination de potentiel dans l'équation de Schrodinger
15h15 – 15h30	Hasane Bouremel: On the lattice of SVN subgroups	Mounir Redjough: On The Equivalent To Twin Prime Conjecture
15h30 – 15h45	Mourad Yetto: ON HOMODERIVATIONS OF LATTICES AND THEIR PROPERTIES	CHEBBAH SAMAR: Schwarz Method for variational inequalities.
15h45 – 16h00	Soheyb Milles: Particular neutrosophic subsets on topologies generated by relations	/

Thank you for your participation

