Schedule of talks

Monday, April 27

Time	Conference Room
7:00	Registration
9:00	- Opening - Presentation of ISAAC - Presentation of ICGTMP
10:30	**Coffee break**

Plenary Session

Time	Conference Room	Chairman
11:00 – 11:40	**ZOUHAIR MOUAYN**, Magnetic Laplacians operators on $\mathbb{C}^n$ with reproducing kernels for their L^2-eigenspaces	UWE KHALER
11:40 – 12:20	**ABDELLAH SEBBAR**, Modular differential equations and applications in physics	
12:20 – 13:00	**RENZO RICCA**, Topological effects on the evolution of quantum defects	
13:00	Lunch	

Time	Conference Room	Chairman
14:30 – 15:00	**ARRAN FERNANDEZ**, Axiomatic characterisation of fractional integral operator families	PAULA CEREJEIRAS
15:00 – 15:30	**STEPHEN BRUCE SONTZ**, Geometry of Quantum Probability	
15:30 – 16:00	**AIT BEN HADDOU MALIKA**, The Isometry Group of the 4-Dimensional Oscillator Group	
16:00	Coffee break	

Monday, April 27

Parallel Sessions

Time	Room A	Chairman
16:30 – 17:00	**ZAKARIYAE MOUHCINE**, Fourier analysis on generalized Heisenberg group	EL WASSOULI FOUZIA
17:00 – 17:30	**ZIYAT MOHAMMED**, Asymptotic behavior of the Bochner-Schrödinger operator on Quasi-Tori	
17:30 – 18:00	**SOFIA BOUDRAI**, On the slice hyperholomorphic Bergman-Dirichlet space	
18:00 – 18:30	**ACHRAF OUALD CHAIB**, L^p-Poisson Integral Representations for Solutions of the Generalized Hua System on Line Bundles over the Lie Ball	
	Room B	
16:30 – 17:00	**MUGE SAADE TOGLU**, Application of Representation Theory to Artin's Induction Theorem	KAMAL DIKI
17:00 – 17:30	**KHADIJA EL IDRISSI**, Superalgebras of biderivation-type	
17:30 – 18:00	**MOHAMMED SOUID ELAININ**, Fourier Fractional Automorphe	
18:00 – 18:30	**YOUNESS ASSEBBANE**, A Fractional Derivative Model for Image Denoising Using Caputo-Fabrizio Operator	
	Room C	
16:30 – 17:00	**MOHAMED ECHCHEHIRA**, A Two-Order Time-Fractional Diffusion Coupled System for Image Denoising Based on the H^{-1} Norm	MOHAMED EL AIDI
17:00 – 17:30	**ASLAOUI SAMAH**, A phase space localization operator using negative binomial states	
17:30 – 18:00	**GHAYT OUIRDANI**, Bargmann transform and statistical properties for nonlinear coherent states of the isotonic oscillator	
18:00 – 18:30	**MOHAMED AMAZIOUG**, Using coherent feedback loop for high quantum state transfer in optomechanics	
	Room D	
16:30 – 17:00	**MOULOUD ABARAGH**, Hilbert Space Structure in QED: Representation of e^+e^- Scattering States and Spectral Decomposition of the S-Matrix	MONAIM HAKIM
17:00 – 17:30	**ABDOUL SALAM DIALLO**, Some recent development on Walker manifolds.	
17:30 – 18:00	**EL BARAYNI ABDELAZIZ**, A Variational and Numerical Investigation of Double-Phase Elliptic Problems under Robin Boundary Conditions	

Tuesday, April 28

Plenary Session

Time	Conference Room	Chairman
8:30 – 9:10	**JOHN RYAN**, Bosonic Laplacians and their properties	MILTON FIERRERA
9:10 – 9:50	**HAAKAN HEDELMALM**, Bombieri-type inequalities and equidistribution of points	
9:50 – 10:30	**OLIVER CONRADT**, Projective Geometry with Projective Algebra. Transition to Clifford Double Algebras	
10:30	Coffee break	
11:00 – 11:40	**MARIANO DEL OLMO**, Superintegrable Systems on the Sphere and the Hyperbolic 2-Space	HAAKAN HEDELMALM
11:40 – 12:20	**PAULA CEREJEIRAS**, $\mathbb{Z}_3$-graded Clifford algebras: applications and their function theory	
12:20 – 13:00	**JOACHIM TOFT**, Convenient norms for modulation spaces with applications to pseudo-differential calculus	
13:00	Lunch	

Time	Conference Room	Chairman
14:30 – 15:00	**KAMAL DIKI**, Reproducing Kernel Hilbert Spaces Involving Touchard Polynomials and Hypergeometric Functions	JOACHIM TOFT
15:00 – 15:30	**EL AIDI MOHAMED**, On Moments of Negative Eigenvalues for a Compact Metric Tree	
15:30 – 16:00	**EL WASSOULI FOUZIA**, Properties of the Faraut-Korányi Hypergeometric function	
16:00	Coffee break	

Tuesday, April 28

Parallel Sessions

Time	Room A	Chairman
16:30 – 17:00	**MONAIM HAKIM**, Fourier transform on the algebra of hybrid numbers and uncertainty principles	ZAKARIYAE MOUHCINE
17:00 – 17:30	**OTHMANE EL MOIZE**, Generalized Arik-Coon spaces	
17:30 – 18:00	**AYMANE ALFARDI**, On the Gap Between the First and Second Yamabe Invariants	
18:00 – 18:30	**YOUSSEF LAOUISSATE**, Théorèmes de décomposition additive pour les fonctions slice hyperharmoniques	
	Room B	
16:30 – 17:00	**ABDELHADI ES-SARHIR**, Ergodicity for semilinear SPDEs with Cahn-Hilliard type drift term	ZIYAT MOHAMMED
17:00 – 17:30	**HABIB REBEI**, Norm Inequalities and Exponential Action of Quadratic C.A.P. Operators in the Quadratic Fock Space	
17:30 – 18:00	**IZ-IDDINE EL-FASSI**, On the Approximation of a Class of Quadratic Functional Equations under Lipschitz Conditions	
18:00 – 18:30	**SANA SALAH**, Existence and global behavior of positive solutions of semilinear fractional Dirichlet problems	
	Room C	
16:30 – 17:00	**MOHAMMED TANJAOUI**, A Secure Image Encryption Scheme Based on Sobolev Orthogonal Polynomials	KHALID AHBLI
17:00 – 17:30	**HAJAR HILALI**, Existence and regularity for *psi*-Hilfer fractional elliptic problems with variable exponents and singular terms	
17:30 – 18:00	**DHOUHA GAIED**, The heat kernel associated with generalized Kontorovich-Lebedev transform	
18:00 – 18:30	**AYOUB OUAHHABI**, Operator-valued generalized Stirling numbers of the second kind and generalized Bell numbers from the generalized Heisenberg algebra	
	Room D	
16:30 – 17:00	**NIZAR EL IDRISSI**, Intersections of Translates of Finite-Dimensionally Valued Frame Spaces: Conditional Slice-Fullness and Almost-Sure Slice-Fullness	KARINA NAVARRO GONZALEZ
17:00 – 17:30	**MERIEM NENNI**, Hausdorff type operators on weighted spaces on the unit disk	
17:30 – 18:00	**ALA EDDINE BAHROUNI**, A Novel Double-Phase Problem with Exponents Depending on the Gradient of the Solution	
18:00 – 18:30	**ABDELHAK BOUSGHEIRI**, Singular Nonlocal $p(x)-$triharmonic Kirchhoff Problem with Variable Hardy-Type Weight	

Wednesday, April 29

Plenary Session

Time	Conference Room	Chairman
8:30 – 9:10	**PAOLO PIAZZA**, Analysis and Geometry of Dirac operators on singular spaces	MARIANO DEL OLMO
9:10 – 9:50	**DANIEL ABREU**, Time-frequency localization and bipartite entanglement	
9:50 – 10:30	**UWE KHALER**, Integral inequalities in hypercomplex analysis	
10:30	Coffee break	
11:00 – 11:40	**MILTON FIERRERA**, Reproducing Bergman kernels for concentric and sectorial domains in Octonion Analysis	DANIEL ABREU
11:40 – 12:20	**IGOR KANATCHIKOV**, MOND-pQG Correspondence and Higher Transcendental Functions in Galaxy Rotation Curves	
12:20 – 13:00	**AHMED ZAYED**, Discrete Coupled Fractional Fourier Transform: Properties and Applications	
13:00	Lunch	

Time	Conference Room	Chairman
14:30 – 15:10	**ASKOUR NOUR EDDINE**, Trace formula for an isospectral q-Dunkl Laplacians flow and applications to number theory	AHMED ZAYED
15:10 – 15:50	**YURII NERETIN**, Hypergeometric functions of the complex field	
16:00	Coffee break	

Parallel Sessions (Wednesday, April 29)

Time	Room A	Chairman
16:30 – 17:00	**KARINA NAVARRO GONZALEZ**, Sharp estimates for the covering numbers of the Weierstrass fractal kernel	AIT BEN HADDOU MALIKA
17:00 – 17:30	**ISSAME AHIZOUNE**, Espaces de Bergman et de Bargmann bicomplexes : structure spectrale et transformées intégrales	
17:30 – 18:00	**KHALID AHBLI**, Mehler-Heine type formulas for Associated Charlier and Meixner polynomials	
18:00 – 18:30	**YANNICK KRAIDI**, On linear transformation of reproducing kernel Hilbert C^*-modules	
	Room B	
16:30 – 17:00	**IKRAM KOUACHI**, Pseudo-Hermitian Dirac Operators in Beltrami Geometry: Curvature Effects and CPT Symmetry	OTHMANE EL MOIZE
17:00 – 17:30	**KAOUTAR EL BACHIRI**, On the Mathematical Structure of Spectral–Angular Parametrization in Open Qudit Dynamics	
17:30 – 18:00	**SAMIR EL MOURCHID**, Regularity of invariant measure associated to SPDE's with Cahn-Hilliard type drift terms	
18:00 – 18:30	**YOUSSEF OUAKRIM**, A Regularization of the Incompressible Stokes Problem with Tresca Friction Conditions	
	Room C	
16:30 – 17:00	**INSSAF RAISS**, On the radial solutions to p-Laplace type Chandrasekhar-Hamilton-Jacobi equations	AYMANE ALFARDI
17:00 – 17:30	**AICHA EL KHAMLICHI**, Physics-Informed Neural Networks for Quasilinear Elliptic Equations: Existence, Uniqueness, and Numerical Experiments	
17:30 – 18:00	**NESRINE YOUSFI**, Lipschitz Conditions and Fourier Multipliers for the Bessel-Struve Transform	
18:00 – 18:30	**M'HAMMED OUYAHIA**, Sharp and Refined Spectral Gap Inequalities	
	Room D	
16:30 – 17:00	**ANASS HABIB**, Generalized $su_f(1,1)$ Algebra as quadratic realization from generalized Heisenberg algebra with application to infinite well square potential	MOHAMMED SOUID ELAININ
17:00 – 17:30	**FRIOLING MELONG**, q-Deformed Topological Recursion, Weight Vectors and Algebraic Structures	
17:30 – 18:00	**NESET DENIZ TURGAY**, Fractals in arbitrary dimensions with a modified Clifford product	
18:00 – 18:30	**OTHMAN ABAD**, An insight on the closed generalized Drazin-$\mathcal{R}$ invertible operators and their applications to delay differential equations	

Thursday, April 30

Plenary Session

Time	Conference Room	Chairman
8:30 – 9:10	**MICHAEL RUZHANSKY**, Noncommutative Fujita exponent	IGOR KANATCHIKOV
9:10 – 9:50	**ALEXANDER BUFETOV**, The Gaussian multiplicative chaos for the sine-process	
9:50 – 10:30	**ALEXANDER SCHMITT**, Conformal blocks and singular principal bundles	
10:30	Coffee break	
11:00 – 11:30	**SAID FAHLAOUI**, Harmonic analysis on the Quaternionic hyperbolic space	ARRAN FERNANDEZ
11:30 – 12:30	Tribute session in honor of Professor Said Fahlaoui	
13:00	Lunch	