

Schedule of talks

Monday, April 24

Time	Activity / Room A	Chairman
7:30 - 9:30	Registration	
9:30 - 10:30	Opening	
10:30	Coffee	
10:55	Picture	
11:00 - 11:40	Zouhair Mouayn , Coherent states attached to Landau levels on $2D$ surfaces.	A. Vourdas
11:40 - 12:20	Uwe Kaehler , White noise spaces analysis over non-commutative structures.	
12:30	Lunch	
14:30 - 15:10	Håkan Hedenmalm , Hyperbolic Fourier series and the Klein-Gordon equation.	U. Kaehler
15:10 - 15:50	Alfonso Montes Rodriguez , Heisenberg uniqueness pairs.	
15:50 - 16:30	Wei Cai , Fast multipole methods for Helmholtz equations in layered media.	
16:30	Coffee Break	

Parallel Sessions

Time	Activity / Room A	Chairman
17:00 - 17:30	Said Fahlaoui , General double-sided orthogonal planes split QFT and wavelet transform on functions and distribution spaces.	N. Faustino
17:30 - 18:00	Ali Hafidi , Family of optimal inequalities related to the standard error of the best approximation.	
18:00 - 18:30	Mohammed Ziyat , Eigenvalue estimate of magnetic Schrödinger operator in periodic setting.	
	Activity / Room B	
17:00 - 17:30	Ana Gabriela , Curves in quantum state space, geometric phases, and the brachistophase.	Wei Cai
17:30 - 18:00	Louis Hanotel , Topological gates for holonomic quantum computation.	
18:00 - 18:30	Luis F. A. Muñoz , Study of ideal gases in curved spacetimes.	

Tuesday, April 25

Time	Activity / Room A	Chairman
8:30 - 9:10	Makoto Katori , Elliptic extensions in statistical and stochastic systems.	A. Veslov
9:10 - 9:50	Luis Daniel Abreu , Interlacing of zeros of orthogonal Gaussian polyanalytic functions.	
9:50 - 10:30	Alexander Bufetov , Gaussian multiplicative chaos for the sine-process.	
10:30	Coffee Break	
11:00 - 11:40	Apostolos Vourdas , Grothendieck bound in a single quantum system.	V. Dodonov
11:40 - 12:20	Paula Cerejeiras , About the Fredholm determinant for quaternionic operators.	
12:30	Lunch	
14:30 - 15:10	Fabio Bagarello , A distributional approach to the inverted harmonic oscillator.	P. Cerejeiras
15:10 - 15:50	Ali Mostafazadeh , Renormalization of point scatterers in two and three dimensions, its coincident-limit problem, and the dynamical formulation of stationary scattering.	
15:50 - 16:30	Fayssal Benkhaldoun , Finite volumes methods in numerical simulations.	
16:30	Coffee Break	

Tuesday, April 25

Parallel Sessions

Time	Activity / Room A	Chairman
17:00 - 17:30	Lahcen Oussi , (p, q) -analogues of the generalized Touchard polynomials and Stirling numbers.	D. Abreu
17:30 - 18:00	Selma Negzaoui , On the harmonic analysis associated to Bessel-Strouve Laplacian operator.	
18:00 - 18:30	Aziz Madrane , The adjoint method for the holes geometries that enhance film-cooling performance.	
Activity / Room B		
17:00 - 17:30	Khalid Ahbli , Generalized nonlinear coherent states and their associated Bargmann-type transforms	R.G.Narciso
17:30 - 18:00	Othmane El Moize , q -deformations of Bargmann-type transforms and associated probability distributions	
18:00 - 18:30	Chadia Qotni , Coherent states and uncertainty product of the harmonic oscillator with position-dependent mass.	

Wednesday, April 26

Time	Activity / Room A	Chairman
8:30 - 9:10	Viktor V. Dodonov , Generalizations of adiabatic theorems for the harmonic oscillator and a charged particle in a magnetic field when the frequency slowly passes through zero value.	F. Bagarello
9:10 - 9:50	Alexander Veselov , Dirac magnetic monopole and two-centre problems on sphere.	
9:50 - 10:30	Abdallah Maichine , Density functional theory for two-dimensional homogeneous materials with magnetic fields.	
10:30	Coffee Break	
11:00 - 11:40	Nelson Faustino , Structurally damped σ -evolution equations with power-law memory.	J. Toft
11:40 - 12:20	Arran Fernandez , Fractional complex d-bar derivatives and generalisations.	
12:30	Lunch	
14:00	Excursion	

Thursday, April 27

Time	Activity / Room A	Chairman
8:30 - 9:10	Gerald A. Goldin , A universal kinematical group for quantum theory.	Z. Mouayn
9:10 - 9:50	Alessandro Teta , Many-particle systems with contact interactions in dimension three.	
9:50 - 10:30	Ashot Sergey Gevorkyan , Quantum thermodynamics from the first principles of non-Hermitian quantum mechanics.	
10:30	Coffee Break	

Time	Activity / Room A	Chairman
11:00 - 11:40	Joachim Toft , Analytic pseudo-differential calculus via the Bargmann transform.	H. Hedenmalm
11:40 - 12:20	Milton Ferreira , Global quantization and operator calculus on $\text{Spin}(4)$.	
12:30	Lunch	
14:30 - 15:10	Edwin Beggs , Noncommutative differential operators and dynamics.	A. Mostafazadeh
15:10 - 15:50	Alexander Schmitt , The moduli space of singular principal bundles over the moduli space of stable curves.	
15:50 - 16:30	Igor Kanatchikov , Precanonical quantization of the teleparallel equivalent of general relativity and the cosmological constant.	
16:30	Coffee Break	

Parallel Sessions

Time	Activity / Room A	Chairman
17:00 - 17:30	Fouzia El Wassouli , L^p -Poisson-Hua integral representations of Solutions of the twisted Hua-System on line bundles over exceptional domain $E7(25)/U(1)E_6$.	M. El Aidi
17:30 - 18:00	Anas Ouknine , Lie symmetry of partial differential equations (Longstaff- Shwartz model).	
18:00 - 18:30	Ekaterina Filimoshina , On some Lie groups in degenerate geometric algebras.	
	Activity / Room B	
17:00 - 17:30	Daoud Oukacha , Hua operator and Poisson transform on the exceptional domain D_{16} of type V .	F. Milton
17:30 - 18:00	Sofia Boudrai , The second Bargmann transform of the hyper-meromorphic Bergman space on a quaternionic unit ball centered at a generic point.	
18:00 - 18:30	Hakim Monaim , General right-sided orthogonal 2D-planes split quaternionic Wave-Packet transform.	

Friday, April 28

Parallel Sessions

Time	Activity / Room A	Chairman
8:30 - 9:00	Leonardo De Carlo , On magnetic models in wavefunction ensembles	K. Makoto
9:00 - 9:30	Abdelhai El Azzouzi , On the periodic solutions for a class of partial differential equation with infinite delay.	
9:30 - 10:00	Narciso R. Gomes , Numerical methods for fractional differential equations: initial and boundary problem of advection-diffusion equation.	
	Activity / Room B	
8:30 - 9:00	Abdoul Salam Diallo , On affine A-manifolds.	A. Fernandez
9:00 - 9:30	Nadia Boudi , On nonintegrable representations of the Heisenberg algebra.	
9:30 - 10:00	Neset Deniz Turgay , The dual Steenrod algebra and the overlapping shuffle product.	
10:00	Coffee Break	
	Activity / Room A	
10:30 - 11:00	Pierre Lazag , Hyperuniform Determinantal Point Processes.	Z. Mouayn
11:00 - 11:30	Mohammed El Aïdi , On an interpolation problem for a weighted harmonic Bergman space	
11:30 - 12:00	Mohamed Vall Ould Moustapha , The Morse potential on \mathbb{R}^2 .	
	Activity / Room B	
10:30 - 11:00	Justin Landalidji , Kepler dynamics on a conformable Poisson manifold.	A. S. Gevorkyan
11:00 - 11:30	Sama Arjika , A q -deformation of true-polyanalytic Bargmann transform.	
11:30 - 12:00	Patrick K. Kikodio , A new generalization of nonlinear coherent states for the pseudoharmonic oscillator.	
12:30	Lunch.	