

Saturday, May 22, 2021 : Harmonic Analysis

Session 1	Harmonic Analysis (Chairman : Loubna EL MOUTAOUEKKIL)	Speakers
09h25 - 09h45	Almost Complex Structures through Symplectic Reduction.	Youness EL KHARRAF
09h45 - 10h05	Stability analysis of positive hyperbolic systems.	Abed BOULOZ
10h05 - 10h25	A quadratic type integral-functional equation on semigroups with surjective endomorphism.	Ahmed AKKAOU
10h25 - 10h45	Alienation problem for some classical functional equations.	Brahim FADLI
Break (5 minutes)		
10h50 - 11h10	Fourier-Laplace coefficients of Lipschitz functions on L^p -spaces.	Salah EL OUADIH
11h 10- 11h30	Invariant analysis of (2+1) dimensional time fractional Regularized Long Wave equation.	Hicham MAADAN
11h30 - 11h50	Distributions associated to almost complex structures on symplectic manifolds.	Manar HAYYANI

Saturday, May 22, 2021 : Functional Analysis and Operator Theory

Session 2	Functional Analysis & Operator Theory (Chairman : Youssef ELMADANI)	Speakers
09h25 - 09h45	Jacobson's lemma for generalized Drazin-Riesz inverses.	Soufiane HADJI
09h45 - 10h05	Nonlinear maps preserving certain subspaces of Lie product of operators.	M'hamed ELHODAIBI
10h05 - 10h25	Operators preserving K-frames in Hilbert C- modules.	Salah Eddine OUSTANI
10h25 - 10h45	Maps preserving the local spectral subspace of product or Jordan triple product of operators.	Mohammed BOUCHANGOUR
10h45 - 11h05	A thermo-viscoelastic fractional contact problem with the normal compliance and Coulomb's friction.	Mustafa BOUALLALA
Break (5 minutes)		
11h 10- 11h30	Existence and uniqueness of fixed points in partially ordered Banach spaces and applications.	Mohamed KHAZOU
11h30 - 11h50	Some results of almost M-weakly compact operators.	Farid AFKIR
11h50 - 12h10	Triple reverse order law of Drazin invertible operators.	Safae ALAOUI CHRIFI
12h10 - 12h30	On the class of Almost order (L) Sets and applications.	Kamal EL FAHRI

Saturday, May 22, 2021 : Statistics

Session 3	Statistics (Chairman : Mohamed OUZINEB)	Speakers
09h25 - 09h45	Markov switching GJR-GARCH model and artificial neural networks combination: forecasting stock market volatility.	Abdellah TAHIRI
09h45 - 10h05	On the rate of convergence in extreme value Theory under non-linear normalization.	Bouchra LABLOUL
10h05 - 10h25	The Impact of Innovation on Export: An Empirical Study of the case of the Agri-food Sector in Morocco.	Zouhair DAHANI
Break (5 minutes)		
10h30 - 10h50	Modelling the evolution of Covid-19 cases in North Africa.	Mounir BOUMHAMDI
10h50 - 11h10	Adjusted conditional tail expectation risk measure for heavy tailed dependent data.	Hakim OUADJED
11h10 - 11h30	Etude statistique de transmissions des chocs entre le crypto money et le marché marocain.	Boubaker TOUIJRAT

Saturday, May 22, 2021 : Probabilities and Stochastic Analysis

Session 4	Probabilities and Stochastic Analysis (Chairman : Mohamed EDDAHBI)	Speakers
09h25 - 09h45	Stochastic differential equations driven by optional semimartingales with jump reflection.	Imane JARNI
09h45 - 10h05	Statistical analysis of the non-ergodic fractional Ornstein-Uhlenbeck process with periodic mean.	Fatima-Ezzahra FARAH
10h05 - 10h25	Etudes du modèle SIRS sous régime switching.	Mourad EL IDRISSE
Break (5 minutes)		
10h30 - 10h50	Parameter estimation for α -Brownian bridge.	Jabrane MOUSTAAID
10h50 - 11h10	The MCMC Algorithms in Hidden Markov Chain model for Unsupervised Segmentation of Images.	Abdelali JOUMAD
11h10 - 11h30	Optimization of the two Fishermen's Profits Exploiting Three Competing Species in consideration of temperature factor.	Chaimaa RIAHI

Saturday, May 22, 2021 : PDE's and Non Linear Analysis

Session 5	Partial Differential Equations and Non linear Analysis (Chairman : Siham EL HABIB)	Speakers
09h25 - 09h45	Variable exponent Sobolev trace spaces and Dirichlet problem in axiomatic non linear Potential Theory.	Mohamed BERGHOUT
09h45 - 10h05	Global existence and blow-up of solutions for parabolic equations involving the Laplacian under nonlinear boundary conditions.	Anass LAMAIZI
10h05 - 10h25	A Generalized Common Fixed Points for multivalued mappings in G_b -Metric spaces with an application.	Noredine MAKRANE
Break (5 minutes)		
10h30 - 10h50	G-interpolative Ciric-Reich-Rus type contractions in b-metric spaces.	Youssef ERRAI
10h50 - 11h10	Periodic solutions to retarded and non-autonomous neutral partial functional differential equations.	Ismail OUMADANE
11h10 - 11h30	Stability and bifurcation analysis of S.I. prey-predator model with modified Holling functional response II incorporating prey refuge.	Oussama LAZAAR
11h30 - 11h50	On a $p(x)$ -Biharmonic problem without the Ambrosetti-Rabinowitz condition.	Mahmoud EL AHMADI

Saturday, May 22, 2021 : PDE's and Numerical Analysis

Session 6	Numerical Analysis & PDE's (Chairman : Ahmed BOUJRAF)	Speakers
09h25 - 09h45	On the study of global behavior of a delayed model with relapse.	Abdesslem LAMRANI ALAOUI
09h45 - 10h05	The existence and uniqueness of the solution to thermistor problem in Musielak Orlicz Sobolev spaces.	Brahim DAHI
10h05 - 10h25	Multiple solutions for a discrete boundary value problem involving.	Omar HAMMOUTI
Break (5 minutes)		
10h30 - 10h50	Stability analysis of Radial Basis function Partition of Unity method for Richards equation using Pseudospectra.	Mariam LJERCH
10h50 - 11h10	Stabilization for an axially moving beam subject to a boundary external disturbance.	Mohamed NAHLI
11h10 - 11h30	Exponential stability of a non-homogeneous rotating disk-beam-mass system with boundary controls.	M'hamed SEGAOUI

Saturday, May 22, 2021 : PDE's and Numerical Analysis

Session 7	Numerical Analysis & PDE's (Chairman : Chafik ALLOUCH)	Speakers
09h25 - 09h45	Stability/existence results for nonlinear parabolic problems using Lorentz spaces.	Mohammed ABDELLAOUI
09h45 - 10h05	Fractional Order Epidemic Model for the Dynamics of COVID-19.	Hassan AGHDAOUI
10h05 - 10h25	Isogeometric Analysis with a partition of unity for nonlinear transient diffusion problems.	Rachid BOUNA
	Break (5 minutes)	
10h30 - 10h50	A block J-Lanczos method for Hamiltonian matrices.	Atika ARCHID
10h50 - 11h10	C ₂ composite spline methods for fitting data on the sphere.	Rania SEFTI
11h10 - 11h30	On the stabilization of coupled parabolic systems by multiplicative controls.	Ilyasse LAMRANI
11h30 - 11h50	An Instantaneous Semi-Lagrangian Approach for Boundary Control.	Youness MEZZAN