

Thursday, May 20, 2021

13h30 - 14h30				Opening Ceremony (Conference room)	
14h30 - 15h20	Plenary Conference	Markov Processes.		Youssef OUKNINE , Cadi Ayyad University, FSS, Marrakech	
15h20 - 16h10	Plenary Conference	Fractal Analysis and Applications.		Kaoutar LAMRINI UAHABI , Mohammed I University, FPN, Nador	
16h10 - 16h40				Coffee break (Poster Session)	

Session 1		Numerical Analysis & PDE's (Chairman : Chafik ALLOUCH)		Speakers	
16h40 - 17h00	On the study of Cauchy inverse problem in linear elasticity.			Abdessamad OUSAADANE	
17h00 - 17h20	Special iterative methods for a common solution of an equilibrium problems, variational inequality and fixed point problems.			Ihssane HAY	
17h20 - 17h40	Second-order accurate numerical methods for non-local conservation laws. Application to traffic flow model.			Said BELKADI	

Break (10 minutes)

		Harmonic Analysis (Chairman : Saïd FAHLAOU)		Speakers	
17h50 - 18h10	The Heisenberg–Pauli–Weyl inequality for the special relativistic Space-Time Fourier transformation.			Youssef EL HAOU	
18h10 – 18h30	Titchmarsh Theorems Associated with Two-sided QFT.			Hakim MONAIM	
18h30 – 18h50	The Non-commutative Geometry and of Matrix Model: Application for String Theory.			Diaf EL YAMANI	

Session 2		Probabilities and Stochastic Analysis (Chairman : Mohamed AIT OUAHRA)		Speakers	
16h40 - 17h00	Stationary distribution for a three dimensional semi-martingale reflecting Brownian motion.			Soukaina AIT YOUSEF	
17h00 - 17h20	Well-posedness of stochastic evolution equations under nonlinear Miyadera-Voigt perturbations.			Mohamed FKIRINE	
17h20 - 17h40	Quadratic transportation inequalities for SDEs with measurable drift.			Soufiane MOUCHTABIH	

Break (10 minutes)

		Statistics (Chairman : Mohamed AIT OUAHRA)		Speakers	
17h50 - 18h10	Generalized Functional Partially Linear Single-Index Models.			Mohamed ALAHIANE	
18h10 – 18h30	Probability density function estimation using new kernels.			Nezha MOHAOU	
18h30 – 18h50	Statistical estimation of the prevalence rate of infection by pooled testing of screening of defective individuals in large populations and application to the epidemiological situation of Covid-19.			Anass DERASSI	

Friday, May 21, 2021

08h30 - 09h20	Plenary Conference	Analytical Dirichlet Spaces.	Omar EL-FALLAH, Mohammed V University, FSR, Rabat
09h20- 10h10	Plenary Conference	The Moments Problem : Introduction and Recent Development.	El. Hassan ZEROUALI, Mohammed V University, FSR, Rabat
10h10 - 10h30	Coffee break (Session Poster)		

Session 1		Functional Analysis & Operator Theory (Chairman : Mourad OUDGHIRI)	Speakers
10h30 - 10h50	A note on local spectral subspace preservers.		Ali JAATIT
10h50 - 11h10	Numerical range of quaternionic right linear bounded operators.		Somayya MOULAHARABBI
11h10 - 11h30	Spectrum of Banach-valued holomorphic functions.		Zakaria TAKI
Break (5 minutes)			
Session 2		Functional Analysis & Operator Theory (Chairman : Mourad OUDGHIRI)	Speakers
11h35 - 11h55	Limit behaviour of an elliptic problem with variable exponent on an oscillating nano-layer.		Jamal MESSAHO
11h55- 12h15	Preservers of the local spectral radius zero of Jordan product of operators.		Somaya SABER
12h15 - 12h35	linear preservers of m-isometries operators.		Hakima MOHCINE

Session 2		Partial Differential Equations (PDE's) (Chairman : Zakaria El ALLALI)	Speakers
10h30 - 10h50	Center manifolds for non autonomous boundary Cauchy problems.		Mohammed MOUSSI
10h50 - 11h10	Homgenisation of weakly coupled thermoelastic wave model.		Salem NAFIRI
11h10 - 11h30	On a $p(x)$ -biharmonic Kirchhoff type problem with indefinite weight and no flux boundary condition.		Khalid SOUALHINE
Break (5 minutes)			
Session 3		Partial Differential Equations (PDE's) (Chairman : Zakaria El ALLALI)	Speakers
11h35 - 11h55	Regional boundary controllability of Riemann Liouville Fractional evolution systems.		Asmae TAJANI
11h55- 12h15	Optimal bounds on the fundamental eigenvalue gap with Robin boundary conditions.		Mohammed AHRAMI
12h15- 12h35	An approach for regional observability for linear fractional systems involving caputo.		Khalid ZGAUID

Friday, May 21, 2021

15h30 - 16h20	Plenary conference	Statistical Learning Methods.	<u>Mohamed EL HAJ TIRARI</u> , HCP, INSEA, Rabat
16h20- 17h10	Plenary conference	Introduction to Stochastic Calculus.	<u>Mohamed ERRAOUI</u> , Chouaib Doukkali University, FSCD, El Jadida
17h10 - 17h30	Coffee break (Poster Session)		

Session 1	Probabilities and Stochastic Analysis (Chairman : Mohamed MELLOUK)	Speakers
17h30 - 17h50	Moderate deviations for a stochastic Burgers equation.	Rachid BELFADLI
17h50 - 18h10	Random fixed point theorems and application to a random Hammerstein integral equation.	Adil EL-GHABI
18h10- 18h30	A simple proof of the existence and the Hölder regularity of the local time of the Brownian bridge.	Omar ALLAOUI
Break (5 minutes)		
	Statistics (Chairman : Mohamed MELLOUK)	Speakers
18h30 - 18h50	The strong consistency of quasi-maximum likelihood estimators for RCA(p) models.	Imane SALHI
18h50 - 19h10	On shrinkage estimation of a spherically symmetric distribution for balanced loss functions.	Lahoucine HOBAD

Session 2	Numerical Analysis & PDE's (Chairman : Ahmed BOUJRAF)	Speakers
17h30 - 17h50	Super-convergent methods based on quasi-interpolating operators for Fredholm integral equations of the second kind.	Mohamed TAHRICHI
17h50 - 18h10	Legendre Kantorovich methods for Urysohn integral equations.	Mohamed ARRAI
18h10- 18h30	Some applications of cardinal B-spline derived from Euler polynomials.	Abdelaziz ABBADI
Break (5 minutes)		
	Numerical Analysis & PDE's (Chairman : Ahmed BOUJRAF)	
18h30 - 18h50	Nonlinear problems on the Sierpinski gasket.	Abdelkarim DAHMANI
18h50 - 19h10	High-order relaxation methods for non-equilibrium two-phase flow problems.	Fatima HARBATE

Saturday, May 22, 2021

08h30 - 09h20	Plenary conference	On the Drazin Inverse	Hassane ZGUITTI , Dar El Mahraz University FSDM, Fès
Break (5 minutes)			

Session 1	Functional Analysis & Operator Theory (Chairman : Mustapha BOUJEDDAINE)	Speakers
09h25 - 09h45	Commuting Riesz perturbations of generalized Drazin Inverse.	Khalid SOUILAH
09h45 - 10h05	On the generalized Drazin-Riesz invertible closed linear operators.	Othman ABAD
Coffee Break (20 minutes)		
Session 1	Functional Analysis & Operator Theory (Chairman : Mustapha BOUJEDDAINE)	Speakers
10h25 - 10h45	Finite-rank perturbations of C-normal operators.	Zouheir AMARA
10h45 - 11h05	On new approach to a Weyl's theorem and applications.	Kaoutar BEN OUIDREN
11h05 - 11h25	On the property (ZIIa).	Zakariae AZNAY

Session 2	Non Linear Analysis and EDP (Chairman : Aissa SGHIR)	Speakers
09h25 - 09h45	Existence of solutions for a nonlinear problem of resonance.	Mustapha HADDAOUI
09h45 - 10h05	Infinitely many non-trivial solutions for a non-linear impulsive differential equation.	Mohamed BOUABDALLAH
Coffee Break (20 minutes)		
Session 2	Probabilities, Stochastic Analysis and Numerical Analysis (Chairman : Aissa SGHIR)	Speakers
10h25 - 10h45	Relation between Renormalization and Ergodicity of SDE's.	Soukaina EL MASMARI
10h45 - 11h05	The optimal control of a SIR epidemic with an ICU constraint and a target: analytical and numerical results.	Rim ADENANE
11h05 - 11h25	Incomplete orthogonal factorization methods using House-Holder.	Khalifa BOUMZOUGH