

The 2nd International Conference on Fixed Point Theory & Applications ICFPTA'19

Saturday Novembre 30, 2019

Faculty of Sciences and Technologies – Mohammedia

CONFERENCE PROGRAMME

Programme overview

Saturday November 30, 2019

08:00 – 08:30	Registration of participants		
08:30 – 09:00	Opening Ceremony		
09:00 – 12:30	Plenary Conferences		
09:00 – 09:45	Pr. Mohamed Amine Khamsi El Paso University, Texas, USA	Caristi Fixed Point Theorem Revisited	Chairman: Pr. Karam Allali
09:45 – 10:30	Pr. Osvaldo Mendez Texas University, USA	A modular uniform convexity property of variable exponent Lebesgue spaces and applications to Fixed Point Theory	
10:30 – 11:00	Coffee break		
11:00 – 11:30	Pr. Ahmed Zaghal FST Tanger	On some fixed point theorems for weak topology : application to singular neutron transport equations	Chairman: Pr. Mohamed Amine Khamsi
11:30 – 12:00	Pr. Abderrahim Boussaïri FSAC Casablanca	On the spectral reconstruction problem for digraphs	
12:00 – 12:30	Pr. Mohamed Aziz Taoudi Cadi Ayyad University, Marrakech	Fixed point theorems for monotone mappings in ordered Banach spaces and application to differential equations	
12:30 – 14:30	Lunch		

14:30 – 19:00

Session 1 : Fixed Point and Applications

Classroom : Amphi

Chairmans

Prs : M. Aamri, M. A. Khamsi, M. A. Taoudi, A. Zaghal

14:30 – 14:45	FPTA-1	A. Khchine , M.A. Taoudi and M. Ennassik	On a fixed point theorem in Banach algebras with applications
14:45 – 15:00	FPTA-2	M. ENNASSIK , L.Maniar and M.A. Taoudi	Fixed point theorems for mappings in r -normed spaces and application
15:00 – 15:15	FPTA-3	R. Azennar , D. Mentagui	Common coupled fixed point results for multivalued mappings and applications
15:15 – 15:30	FPTA-4	Abdelhamid Moussaoui , Said Melliani	Fixed Point Results On Fuzzy Metric Spaces Via FZ-Simulation Functions
15:30 – 15:45	FPTA-5	Abderrahim Eladraoui , Mustapha Kabil and Samih Lazaiz	Compactness and normal structure in relational systems and some related fixed point theorems
15:45 – 16:00	FPTA-6	Abdessamad Kamouss , K. Chaira and M. Kabil	Approximating fixed points by a new iteration process
16:00 – 16:15	FPTA-7	M. EDRAOUI , M. AAMRI and S. LAZAIZ	Relatively Cyclic P -Contractions in locally K-Convex space
16:15 – 16:30	FPTA-8	Youssef Touail , Driss El Moutawakil	Reich's fixed point theorem in general topological spaces with τ -distance

16:30– 17:00

Coffee Break

17:00 – 17:15	FPTA-9	Mohamed amine Farid , Karim Chaira, EL-Miloudi Marhrani and Mohammed Aamri	Fixed point theorems and application to nonlinear integral equation
17:15 – 17:30	FPTA-10	M. Dahmouni , K. Chaira, A. Eladraoui and M. Kabil	Caristi-type fixed point in a Menger space
17:30 – 17:45	FPTA-11	Jaauad Jeddi , M. Kabil and S. Lazaiz	Fixed point for multivalued mappings in modular function spaces endowed with graph : ρ -compact and ρ -a.e compact cases
17:45 – 18:00	FPTA-12	Saadaoui Brahim , Lazaiz Samih and Aamri Mohamed	Best Proximity Point in a Hausdorff locally Convex Space
18:00 – 18:15	FPTA-13	Y. MOUHIB , M.AAMRI	On Browder's convergence theorem in nonlinear spaces
18:15 – 18:30	FPTA-14	Abdelkarim KARI , EL Miloudi MARHRANI, Mohamed AAMRI and Hamza SAFFAJ	A generalization of fixed point theorems about θ -contraction in generalized asymmetric spaces

18:30 – 18:45	FPTA-15	Nour-eddine ELHARMOUCHI , Karim CHAIRA and El Miloudi MARHRANI	Common fixed points of monotone p-nonexpansive semigroups in modular spaces
18:45 – 19:00	FPTA-16	Youssef Errai , EL-Miloudi Marhrani and Mohammed Aamri	Fixed point theorem in α-complete b-metric spaces
14:30 – 19:00			
Session 2 : Functional Analysis and Operators Theory			
Classroom : 02		Chairmans : Prs : A. Tajmouati, M. Babahmed, A. El Amrani, H. Benbouziane	
14:30 – 14:45	FAOT-1	Mohammed Karmouni , Abdelaziz Tajmouati	On the Browder's theorem
14:45 – 15:00	FAOT-2	Mohammed Babahmed , El asri azzedine	The Invariant Subspace in Finite dimensional Non-archimedean Spaces
15:00 – 15:15	FAOT-3	Mohamed Rossafi , Samir Kabbaj	Operator frame in Hilbert Modules
15:15 – 15:30	FAOT-4	Safae Alaoui Chrifi , Abdelaziz Tajmouati and Mohammed Karmouni	Perturbations of the generalized Drazin-Riesz spectra of operator matrices
15:30 – 15:45	FAOT-5	A. Lahssaini , H. Benbouziane, Y. Bouramdane and M. Ech-Chérif El Kettani	Pseudo spectra and condition spectrum preservers
15:45 – 16:00	FAOT-6	Jawad Ettayb , Rachid Ameziane Hassani, Aziz Blali and Abdelkhalek El Amrani	On p-adic cosine families of bounded linear operators on free Banach space of countable type
16:00 – 16:15	FAOT-7	F. Barki , A. Tajmouati and A. El Bekkali	Uniform ergodicity in the closed invariant subspace
16:15 – 16:30	FAOT-8	Y. Bouramdane , H. Benbouziane and M. Ech-Chérif El Kettani	On the local spectral subspaces preservers
16:30– 17:00			
Coffee Break			
17:00 – 17:15	FAOT-9	M. Abkari , A. Tajmouati and M. Karmouni	On some property of operator matrices
17:15 – 17:30	FAOT-10	I. Herrou , H. Benbouziane and M.E. El Kettani	Local Spectral Subspace Preservers
17:30 – 17:45	FAOT-11	Hamza LAKRIMI , Mohamed AMOUCH	On linear Dynamical Systems of elementary operators
17:45 – 18:00	FAOT-12	A. Razouki , R. Ameziane Hassani, A. El Amrani and M. Babahmed	Locally convex hulls and inductive limit of locally convex spaces with sequential topologies
18:00 – 18:15	FAOT-13	Khalil Moussaouja , Rachid Ameziane Hassani, Aziz Blali and Abdelkhalek El Amrani	COSINE FAMILIES IN QUOJECTION-FRÉCHET SPACES

18:15 – 18:30	FAOT-14	A. AKRYM , A. EL BAKKALI and A. FAOUZI	On the Strong and Uniform Kreiss Resolvent Condition
18:30 – 18:45	FAOT-15	Otmane Benchiheb , Mohamed Amouch	Diskcyclicity of sets of operators and applications
18:45 – 19:00	FAOT-16	Mohamed BERGHOUT	Capacities in fractional Sobolev spaces with variable exponents

14:30 – 18:45 **Session 3 : Functional Analysis and Partiel Differentiel Equations**

Classroom : 03 **Chairmans : Prs : O. Mendez, K. Chaira, R. Daher, E. Marhrani**

14:30 – 14:45	FAPDE-1	Farah Balaadich , Elhoussine Azroul	Study of some quasilinear elliptic systems
14:45 – 15:00	FAPDE-2	Abdelaziz Sbai , Youssef Elhadfi	Regularizing effect of absorption terms in singular and degenerate elliptic problems
15:00 – 15:15	FAPDE-3	G. Erriahi El Idrissi , E. AZROUL and A. Lamrani Alaoui	Existence of solution for periodic parabolic nonlinear problem in Orlicz space
15:15 – 15:30	FAPDE-4	M. SRATI , E. AZROUL , A. BENKIRANE and A. BOUMAZOURH	Multipe solutions for a nonlocal fractional (p, q)-Schrödinger-Kirchhoff system
15:30 – 15:45	FAPDE-5	M. Shimi , E. Azroul , A. Benkirane and M. Sрати	On a fractional $p(x, \cdot)$-Laplacian Dirichlet problems with weight
15:45 – 16:00	FAPDE-6	Atimad HARIR , Said Melliani and Saadia Chadli	Fuzzy Neutral Partial Differential Equation with Fuzzy nonlocal condition
16:00 – 16:15	FAPDE-7	Athmane BOUMAZOURH , Elhoussine AZROUL	Existence results for a fractional Kirchhoff Type elliptic system
16:15 – 16:30	FAPDE-8	Nisrine MAAROUF , Khalid HILAL	Invariant analysis of time fractional generalized Burger equation

16:30– 17:00 **Coffee Break**

17:00 – 17:15	FAPDE-9	M. EL Hassnaoui , S. Melliani and M. Oukessou	Fuzzy topological spaces, fuzzy super-connected subspace
17:15 – 17:30	FAPDE-10	Es-saiydy Mohssine , Mohamed Zitane	Pseudo-Almost Automorphic Solutions to a Abstract Integral Equation
17:30 – 17:45	FAPDE-11	Abdellah Taqbibt , Lalla Saadia Chadli	NEW FRACTIONAL DERIVATIVE IN COLOMBEAU ALGEBRA
17:45 – 18:00	FAPDE-12	A. SABRI , A. JAMEA and H. ALAOUI	Nonlinear degenerate parabolic problems with variable exponent and L^1-data

18:00 – 18:15	FAPDE-13	Faouaz SAADI , Radouan DAHER	Boundedness of multidimensional Dunkl-Hausdorff operators
18:15 – 18:30	FAPDE-14	El Mehdi Loualid , Imane Berkak and Radouan Daher	AN EXTENSION OF THE BESSEL-WRIGHT TRANSFORM IN THE CLASS OF BOEHMIANS
18:30 – 18:45	FAPDE-15	A. Belkhadir , R. Daher and A. Abouelaz	Titchmarsh's Theorem on the Unit Sphere
14:30 – 18:00			
Session 4 : Artificiel Intelligence and Big Data			
Classroom : 04 Chairmans : Prs : A. Adib, M. Azouazi, N. Moumkine, M. Khalil, C. Leghris, H. Ayad			
14:30 – 14:45	AIBD-1	Lahcen El Bouny , Mohammed Khalil and Abdellah Adib	ECG Beat Classification Based on 1-D Convolutional Neural Network
14:45 – 15:00	AIBD-2	Abdelali KAMIL , Khalifa MANSOURI and Mostafa RACHIK	A study on ship automatic berthing using artificial neural networks
15:00 – 15:15	AIBD-3	Fatima Zahra EL FATEHY , Mohammed KHALIL and Abdellah ADIB	Seq2Seq acoustic model based on CNN and BLSTM with CTC-Attention
15:15 – 15:30	AIBD-4	Mouad Riyad , Mohammed Khalil and Abdellah Adib	Convolutional neural network for decoding EEG signal
15:30 – 15:45	AIBD-5	Said Aqil , Karam Allali	Minimizing makespan in permutation flow shop scheduling problem
15:45 – 16:00	AIBD-6	Jabrane Belabid , Said Aqil and Karam Allali	Flowshop scheduling with sequence independent setup time
16:00 – 16:15	AIBD-7	Bensalah Nouhaila , Ayad Habib, Adib Abdellah and Ibn el farouk Abdelhamid	An end-to-end deep learning architecture for Arabic machine translation
16:15 – 16:30	AIBD-8	Houda AMAZAL , Mohamed KISSI	New hybrid feature selection method for text classification in Big Data
16:30– 17:00			
Coffee Break			
17:00 – 17:15	AIBD-9	Sara SEKKATE , Mohammed KHALIL and Abdellah ADIB	A comparative analysis of machine learning algorithms for emotion classification
17:15 – 17:30	AIBD-10	Mouad Tantaoui , My Driss Laanaoui and Mustapha Kabil	Big Data Traffic Management in vehicular network
17:30 – 17:45	AIBD-11	Omar ZAHOUR , El Habib BEN LAHMAR and Ahmed EDDAOUI	Educational and Educational Guidance Systems in Morocco, France: Comparative Study
17:45 – 18:00	AIBD-12	BENZINA EL MAHDI , Belaid Bouikhalene, Ahmed Charifi and Youssef El Merabet	Contribution to the comparison of Machine Learning algorithms

14:30 – 18:00

Session 5 : Discrete Mathematics and Algebra

Classroom : 05

Chairmans : Prs : A. Boussairi, D. Karim, S. Abdelalim, H. Mouanis, D. Nourelabidine

14:30 – 14:45	DMA-1	<u>Seddik ABDELALIM</u>	Strongly Co-hopfian Abelian Group
14:45 – 15:00	DMA-2	<u>Hassan Mouadi</u> , Driss Karim	The F-Topology on $\beta(I)$
15:00 – 15:15	DMA-3	<u>Brahim Chergui</u> , Abderrahim Boussaïri, Pierre Ille and Mohamed Zaidi	3-uniform hypergraphs: modular decomposition and realization by tournaments
15:15 – 15:30	DMA-4	<u>Imane Talbaoui</u> , Abderrahim Boussaïri	Tournament with large arrow-simplicity
15:30 – 15:45	DMA-5	<u>I. Namrok</u> , H. Choulli and H. Mouanis	On graded nil-good rings
15:45 – 16:00	DMA-6	<u>Z. BOUGHADI</u> , J. ASSIM and A. Movahhedi	On the capitulation and D F -Wild-primitive sets
16:00 – 16:15	DMA-7	<u>Mouhcine TALJAOUI</u> , Mostapha Bouhamza	Integral basis of a some quartic number fields
16:15 – 16:30	DMA-8	<u>Mohamed Anas Hilali</u> , Hassan Aaya, Mohamed Rachid Hilali, Tarik Jawad	On HILALI Conjecture for odd graded homotopy groups

16:30– 17:00

Coffee Break

17:00 – 17:15	DMA-9	<u>SOUHAIL Mohamed</u> , ABDELALIM Seddik and CHAICHAA Abdelhak	Group law and the Security of elliptic curves on $F_p[e_1, \dots, e_n]$
17:15 – 17:30	DMA-10	<u>Mohamed Zaidi</u> , Abderrahim Boussaïri, Brahim Chergui and Pierre Ille	Prime 3-uniform hypergraphs
17:30 – 17:45	DMA-11	<u>Mostafa EL GARN</u> , Seddik ABDELALIM and Abdelhak CHAICHAA	The extension property in the category of a direct sum of cyclic modules over an integral domain such that $M/\text{Tor}_A(M) \sim_A A$
17:45 – 18:00	DMA-12	<u>MATOUJ Rachid</u> , DRISS Karim	A computational approach to the BC conjecture regarding the PMAP problem for skew-symmetric matrices

14:30 – 18:30

Session 6 : Modelling and Numerical Simulation I

Classroom : 06

Chairmans : Prs : A. Taik, M. El Khlifi, S. Amine, A. Abassi

14:30 – 14:45	MNS1-1	<u>Youness Oubalhaj</u> , Belhadj Karim and Abdellah Zerouali	Existence results to Steklov system involving the (p,q) -Laplacian
14:45 – 15:00	MNS1-2	<u>Lakhdi Abdessamad</u> , Belhadj Karim	Existence and multiplicity of solutions for a Steklov problem involving the $(p(x)-r(x))$ -Laplacian

15:00 – 15:15	MNS1-3	Zakaria Ghoul , Mustapha Hamdi and Mohamed Belhaq	Energy harvesting in a van der Pol device using time delay
15:15 – 15:30	MNS1-4	Amine El bhih , Youssef Benfatah and Mostafa Rachik	Exact determinations of maximal output admissible set for a class of semilinear discrete systems
15:30 – 15:45	MNS1-5	M.Oraiche , S. Eddargani, A. Lamnii and D. Barrera	On non polynomial C1 splines Hermite interpolation
15:45 – 16:00	MNS1-6	Abdelilah Kaddar , Sanaa ElFadily and Khalid Najib	Mathematical analysis of an augmented Solow model
16:00 – 16:15	MNS1-7	Meryem Ameer , Cherki Daoui and Najlae Idrissi	Stationary and Non-stationary hidden Markov models
16:15 – 16:30	MNS1-8	M. AJEDDAR , A. LAMNII	Smooth reverse subdivision of UAT B-spline curves and wavelets
16:30– 17:00 Coffee Break			
17:00 – 17:15	MNS1-9	Sanaa ElFadily , Abdelilah Kaddar and Khalid Najib	Direction of Hopf Bifurcation in an economic growth model
17:15 – 17:30	MNS1-10	Latifa Rhanimi Karim , Rachid Ellaia	Infill Sampling Criteria for Kriging-Based Optimization
17:30 – 17:45	MNS1-11	Sanaa Harroudi , Jaouad Danane and Karam Allali	On HIV model with logistic growth and infected cells in eclipse phase: An optimal control analysis
17:45 – 18:00	MNS1-12	M.R. Amattouch , Hassan Belhadj	Photovoltaic generator modelling for power system simulation studies.
18:00 – 18:15	MNS1-13	Nossaiba Baba , Imane Agmour, Youssef El Foutayeni and Naceur Achtaich	Lotka-Voltera model in protected zone and free acces zone
18:15 – 18:30	MNS1-14	O. TAHIR , N. ACHTAICH and N.YOUSFI	Modelling the mechanics of the cochlea
14:30 – 18:30 Session 7 : Modelling and Numerical Simulation II			
Classroom : 07		Chairmans : Prs : K. Allali, N. Moussaid, A. Belmaati	
14:30 – 14:45	MNS2-1	Bouchra BESSAS , Sakina ELHAMDANI	Modeling of the dispersion of polluting particles
14:45 – 15:00	MNS2-2	Adil Meskaf	Optimal control of a delayed HBV infection model with capsids, adaptive immune responses and cure rate
15:00 – 15:15	MNS2-3	Youssef Joundy , Karam Allali, Ahmed Taik and Vitaly Volpertb	Modeling the evolution of viral infection in a tissue in space and time

15:15 – 15:30	MNS2-4	MOUDA Mouhcine , NABHANI Mohamed and EL KHLIFI Mohamed	Gauss-Seidel Method for Solving Magneto-elastohydrodynamic Reynolds Equation on Inclined Slider Bearings
15:30 – 15:45	MNS2-5	Brahim Boukanjime , Mohamed El Jamali and Mohamed El Fatini	A stochastic hepatitis B epidemic model driven by Lévy noise
15:45 – 16:00	MNS2-6	Jaouad Danane , Karam Allali	Optimal control of an HIV with CTL cells and exposed cells
16:00 – 16:15	MNS2-7	Hamza Rouah , Ahmed Taik	Effect of Lewis number on convective instability of reaction fronts in a liquid medium
16:15 – 16:30	MNS2-8	Imane AGMOUR , Meriem Bentounsi, Naceur Achtaich and Youssef El Foutayeni	A study of meteorological effects on the annual profit of sinners using mathematical modelling
16:30– 17:00			Coffee Break
17:00 – 17:15	MNS2-9	Omar Khyar , Jaouad Danane, Adil Meskaf and Karam Allali	Optimal control of an HIV model with saturated infection rate and exposed cells
17:15 – 17:30	MNS2-10	Mohammed karama , Mohamed Habbad, Zakaria Ghouli, Mohamed Belhaq and Mustapha Hamdi	Nonlinear vibrations in an absorber harvester device
17:30 – 17:45	MNS2-11	Khalid EL HAIL , Mohamed KHALADI	The basic reproduction number for a delayed epidemic model in periodic environment
17:45 – 18:00	MNS2-12	Mohamed EL KHALIFI , Mohamed EL FATINI and Regragui TAKI	Stochastic analysis of an epidemic model with cure, relapse and general incidence
18:00 – 18:15	MNS2-13	Anas SAKIM , Mohamed NABHANI and Mohamed EL KHLIFI	Numerical investigation of lubrication of finite porous elastic bearings
18:15 – 18:30	MNS2-14	Rachid ghazzali	On the control of a reaction–diffusion system: a class of SIR distributed parameter systems