TENTATIVE

04.12.2020-Friday			**ZOOM Link**
Between Hours	**Zoom Main Keynote Session (Moderators: Dumitru Baleanu, Luis Vazquez, Sverre Holm, Jordan Hristov, Shaher Momani, Carlo Cattani)**		**Clickt to Join Session**
13:00 - 21:00	**Hour**	**Activity Name**	
	13:00-13:20	**OPENING CEREMONY**	
	Hours	**Main Keynote Speakers**	**Presentation Titles**
	13:20-13:40	Michele Caputo	Memory
	13:40-14:00	Hari M. Srivastava	Fractional-order integrals and derivatives: current trends and non-traditional claims
	14:00-14:20	Dumitru Baleanu	Modern fractional calculus: a point of view
	14:20-14:40	Juan J. Nieto	New directions on fractional differential equations
	14:40-15:00	Jordan Hristov	Fractional Model for Real World Phenomena: Basic Principles in Construction, Causality and Fractional Operator Applications
	15:00-15:20	Changpin Li	On Riesz derivative Problems
	15:20-15:40	Jocelyn Sabatier	Some proposals for a renewal in the field of of fractional behaviour studies
	15:40-16:00	Raoul Nigmatullin	The origin of the generalized memory: analysis of the balance equations and corrections to the 3-rd Newton's law
	16:00-16:20	Shaher Momani	Modeling COVID-19 Pandemic Outbreak using Fractional-Order Systems
	16:20-16:40	Luis Vazquez	Nonlocal Phenomena and Electromagnetic Waves
	16:40-17:00	Sverre Holm	Power-laws and fractional calculus
	17:00-17:20	Mauro Fabrizio	Damage and fatigue described by a fractional model
	17:20-17:40	Delfim Torres	Fractional Calculi on Time Scales
	17:40-18:00	Ervin Lenzi	Fractional Dynamics and Electrical Impedance Spectroscopy
	18:00-18:20	George Anastassiou	Foundation of Stochastic Fractional Calculus with Fractional Approximation of Stochastic processes
	18:20-18:40	Carlo Cattani	Wavelet fractional operators
	18:40-19:00	Carla Pinto	Non-integer order models in epidemiology
	19:00-19:20	Shahram Rezapour	Modeling Theory: Our weaknesses and some requirements
	19:20-19:40	Reyad El-Khazali	Eliminating Gibbs Phenomenon using Fast Tracking Digital Filter
	19:40-20:00	José Francisco Gómez Aguilar	Fractional calculus applied to image processing
	20:00-20:20	Duarte Valério	Matsuda method adapted to identify fractional order transfer functions
	20:20-20:40	Mokhtar Kirane	A survey of useful inequalities in Fractional Calculus
	20:40-21:00	**Closing Remarks**	

05.12.2020-Saturday

ZOOM Link

Between Hours | **Zoom Keynote Session Room-1 (Moderator: Abdon Atangana,Ali Akgül, Jagdev Singh, Arran Fernandez, Mohammed Al-Refai, Nasser Sweilam, Mir Sajjad Hashemi)** | **Clickt to Join Session**

08:40-14:00

Hours	Keynote Speakers	Presentation Titles
08:50-09:20	Abdon Atangana	Mathematics and nature: What comes first?
09:20-09:40	Jagdev Singh	Fractional order mathematical modelling approach in complex systems
09:40-10:00	Devendra Kumar	Fractional calculus: a reliable tool for solving real world problems
10:00-10:20	Mir Sajjad Hashemi	Imposing invariant surface condition to develop the Lie symmetries in fractional differential equations
10:20-10:40	Haci Mehmet Baskonus	TBA
10:40-11:00	Ali Akgul	History of the Reproducing Kernel Method and Applications of the Fractional Differential Equations
11:00-11:15	Zakia Hammouch	Dynamics, simulation and parameter estimation of a fractional incommensurate model predicting Covid-19
11:15-11:30	Sunil Kumar	Fractional Calculus and its Applications to Biology
11:30-11:45	Mohammed Al-Refai	On the Estimates of Fractional Derivatives at Extreme Points and Their Applications
11:45-12:00	Nasser Sweilam	A Hybrid Fractional Optimal Control for a Novel Coronavirus (2019-nCov) Mathematical Model
12:00-12:15	Arran Fernandez	Modern Fractional Calculus: Two Important General Classes of Operators
12:15-12:30	Saima Rashid	Integral inequalities for some new classes of convex functions and generalized fractional integral operator with respect to monotone function correlated with Raina's function with applications
12:30-12:45	Joel E. Restrepo	Recent developments on fractional differential equations with variable coefficients and applications
12:45-13:00	Hasib Khan	A fractional order HIV/AIDS epidemic model with Mittag-Leffler kernel
13:00-13:15	Amin Jajarmi	The new trends of fractional calculus towards the mathematical modelling of complex biological systems
13:15-13:30	Abdullahi Yusuf	Modelling of Blood Ethanol Concentration with Fractional Derivatives
13:30-13:45	Sania Qureshi	Modeling of Measles Epidemic with Optimized Fractional Order under Caputo Differential Operator
13:45-14:00	Aziz Khan	Stability Analysis and Numerical Results of Fractional Nabla Difference Covid-19 Model

14:00-14:15 BREAK

Between Hours | **Zoom Keynote Session Room-1 (Moderator: Haci Mehmet Baskonuş, Dimiter Prodanov, YuriyPovstenko)** | **Clickt to Join Session**

14:15-16:00

Hours	Keynote Speakers	Presentation Titles
14:15-14:30	Dimiter Prodanov	Computation of the Wright function from its integral representation
14:30-14:45	Ozlem Defterli	Advanced mathematical tools in anticipating tumor dynamics
14:45-15:00	Anwarud Din	Mathematical analysis of dengue stochastic epidemic model
15:00-15:15	Yuriy Povstenko	Point defect in a fractional nonlocal elastic solid
15:15-15:30	Hassan K. Jassim	Solving Nonlinear Fractional Riccati differential equation Using Modified Homotopy perturbation Method
15:30-15:45	Mohammad E. Samei	To investigate single and multi-dimensional fractional neutral functional q--differential equations
15:45-16:00	Thabet Abdeljawad	From fractional operators with ML kernels (AB) to the operators with generalized ML kernels and Prabhakar operators

05.12.2020-Saturday

ZOOM Link

Clickt to Join Session

Between Hours: 16:00-21:00

Zoom Parallel Session Room-1 (Moderator: Zakia Hammouch, Praveen Agarwal ,Amin Jajarmi,Abdullahi Yusuf, Joel E. Restrepo)

Hours	Oral Presentation Speakers	Presentation Titles
16:00-16:10	Abdelaziz Mennouni	An efficient modified projection method for solving fractional diffusion equation
16:10-16:20	Abdelkader Amara	Boundary value problems for hybrid differential equations with multiple orders of fractional derivatives and integrals
16:20-16:30	Abdelkader Amara	Approximating solutions of fractional hybrid differential equations
16:30-16:40	Abdelouahab Naimi	On the voltera integral equation for a class of Caputo fractional differential equation on unbounded interval with initial conditions
16:40-16:50	Abdullah Akkurt	On Hermite-Hadamard type Fractional Integral Inequalities Involving Gauss Hypergeometric Function
16:50-17:00	Afshin Babaee	A numerical approach for solution of time-fractional stochastic Burgers-Huxley equation driven by white noise
17:00-17:10	Ahmed Bokhari	Projectile Motion using Regularized Prabhakar Derivative
17:10-17:20	Ajit Singh	Fractional Order Complex Lorenz System
17:20-17:30	Amele Taïeb	On Some New Results Concerning the Lane-Emden Type Equations
17:30-17:40	Amira Kameche	Robust Stability of Infinite Dimensional Stochastic System Subjected to Stochastic Perturbation
17:40-17:50	Amouria Hammou	Impulsive Fractional Differential Equations Involving the Hadamard Fractional Derivative
17:50-18:00	Arzu Ahmadova	Applications of Langevin differential equations with general fractional-orders to electric circuit theory
18:00-18:10	Auwalu Hamisu Usman	Heat Transfer in MHD Flow of Micropolar Fluid via Fractional Cattaneo-Friedrich Model
18:10-18:20	Azhar Y Tantary	Multi-Channel Sampling Associated with the Multi-dimensional Linear Canonical Transform
18:20-18:30	Babu Dhivakaran	Bipartite synchronization of fractional order memristor based coupled neural networks with pinning control
18:30-18:40	Bahar Acay	Electrical circuits RC, LC, and RLC under generalized type non-local singular fractional operator
18:40-18:50	Baljinder Kour	Symmetry reduction and soliton solutions of fractional partial differential equation
18:50-19:00	Benhamida Ouafaa	Nonlinear Hadamard Fractional Differential Equations with Fractional Integral Conditions
19:00-19:10	Benziadi Fatima	Asymptotic normality of kernel estimator of ψ-regression function for functional ergodic data
19:10-19:20	Besma Bennour	Studies on Reliability of Circular Multi-State Consecutive-k-out-of-n System under a Shock Model
19:20-19:30	Bezziou Mohamed	New Integral Operators for Conformable Fractional Calculus with Applications
19:30-19:40	Bezziou Mohamed	viability result for fractional differential inclusions in abstract Banach spaces
19:40-19:50	Bhagwat Ram	On q-Hestenes-Stiefel Conjugate Gradient Method for Unconstrained Optimization Problems
19:50-20:00	Naziha Belmahi	Stability and hopf bifurcation of glycolysis model involving caputo fractional derivative
20:00-20:10	Fatiha Mesdoui	Chaos Synchronization of fractional systems involving the Atangana-Baleanu-Caputo derivative.
20:10-20:20	Djamila Seba	Hadamard Fractional Differential Inclusions and De Blasi Measure of Noncompactness
20:20-20:30	Jean-Daniel Djida	An optimal estimate for the time singular limit of an fractional wave equation
20:30-20:40	Lutfi Akin	A new approach to inverse integral inequalities of fractional Hardy-type on time scales delta calculus
20:40-20:50	Mustapha Ait Hammou	Frational integro-differential equation by Topological degree
20:50-21:00	Laoubi Karima	Optimal Control for Fractional coupled systems With Robin's boundary conditions
21:00-21:10	Ahlem Merah	Blow-up of solution for a nonminear wave equation with p(x,t)-lapacian operator and fractional damping
21:10-21:20	Kouider Djerfi	Fractional calculus and applications in estimation theory
21:20-21:30	Nadir Djeddi	Caputo–Fabrizio fractional approach to the solutions of Bernoulli equation in Hilbert space
21:30-21:40	Bengi Yıldız	Approximate Solution of Rayleigh's Equation with Nonlinear Fractional Negative Damping
21:40-21:50	Ömür Kıvanç Kürkçü	A Numerical Method Based on N\"{o}rlund Polynomial for Solving Fractional Ambartsumian Equation
21:50-22:00	Slimane Benmahmoud	A Tutorial on the Caputo-Katugampola Fractional Derivative

05.12.2020-Saturday

ZOOM Link

Clickt to Join Session

Between Hours: 16:00-21:00

Zoom Parallel Session Room-2 (Moderator: Nasser Sweilam, Devendra Kumar, Sania Qureshi, Jocelyn Sabatier, Derya Avcı)

Hours	Oral Presentation Speakers	Presentation Titles
16:00-16:10	Bilel Selikh	Cryptographic Application Over Finite Ring
16:10-16:20	Bouteraa Noureddine	Existence and Uniqueness of Zakharov-Kuznetsov-Burgers Equation with Caputo-Fabrizio Fractional Derivative
16:20-16:30	Burak Oğul	On the Recursive Sequence $X_{N+1}=\Frac{X_{N-34}}{1+X_{N-4}X_{N-9}X_{N-14}X_{N-19}X_{N-23}X_{N-29}}$
16:30-16:40	Choukri Derbazi	Monotone Iterative Method for Ψ--Caputo Fractional Differential Equation
16:40-16:50	Derya Avcı	Optimality Conditions for Integro-Differential Type Lagrange Problems with Mittag-Leffler Kernel
16:50-17:00	Dilek Erkmen	A Second Order Decoupled Penalty Projection Method Based on Deferred Correction for Mhd in Elsasser Variable
17:00-17:10	Ekta Mittal	Katugampola Fractional Kinetic Equations with Its Solution
17:10-17:20	Esma Işıklı	Approximation By Bivariate Bernstein-Chlodowsky Operators Preserving Some Exponential Functions
17:20-17:30	Esra Karatas Akgül	A New Application of Sumudu Transform for Fractional Economic Models
17:30-17:40	Faïçal Ndaïrou	Maximum Principle for Distributed-Order Non-Local Optimal Control
17:40-17:50	Fatima Hadjabi	On Chaos in Two-Dimensional Discrete Fractional Maps.
17:50-18:00	Gizel Bakicierler	New Exact Solutions of a Dynamical Model Arising in Electromagnetic Waves
18:00-18:10	Habib Djourdem	Solvability of a Nonlinear Riemann-Liouville Fractional Differential Equation Involving Multi-Term Integral and Multi-Point Boundary Conditions
18:10-18:20	Hafiz Muhammad Fahad	Tempered and Hadamard-Type Fractional Calculus with Respect to Functions
18:20-18:30	Haleh Tajadodi	FRactional Optimal Control Problems With Nonsingular Fractional Derivative
18:30-18:40	Hamid Beddani	Nonlinear Langevin Equation Involving N Fractional Order
18:40-18:50	Henna Altaf	Intuitionistic Fuzzy I–Convergent Fibonacci Difference Sequence Spaces
18:50-19:00	Houari Fettouch	Growth of Local Solutions to Linear Differential Equations Around An Isolated Essential Singularity
19:00-19:10	Houssine Zine	A Stochastic Fractional Calculus with Applications to Variational Principles
19:10-19:20	Hüseyin Fırat Kayiran	Investigation of the Applicability of Mathematical Artificial Intelligence Analysis Method to Combat Covid-19
19:20-19:30	Hüseyin Fırat Kayiran	Numerical Calculation of Thermal Stress in a Disc Using Stress Function and Equilibrium Equations
19:30-19:40	Ibrahim Isah	On Integrability of Silver Riemannian Structure
19:40-19:50	Idris Ahmed	Mathematical Model of Coronavirus Disease (Covid-19) Transmission in the Frame of Fractional Derivative
19:50-20:00	Lavanya Muruganantham	Fractional order Nonlinear Neutral Type Stochastic Integro-differential System with Rosenblatt Process - A Controllability Exploration
20:00-20:10	Mabel Lizzy Rajendran	A tumor growth model with a time fractional derivative
20:10-20:20	Hasibun Naher	Wave solutions for the nonlinear space-time fractional (2+1) dimensional breaking soliton equations in mathematical physics
20:20-20:30	Matallah Hana	Image restoration by a fractional reaction_diffusion process
20:30-20:40	Ilyas Kecis	Nonconvex evolution equations with a difference term of subdifferentials
20:40-20:50	Ahcene Merad	Existence and Uniqueness of the strong Solution of the Time fractional integro-differential equation with integral boundary conditions
20:50-21:00	Abdelkrim Zebar	A fuzzy Logic controlled Fault Current Limiter for Electrical power grid oscillations damping
21:00-21:10	Lavanya Muruganantham	Fractional order Nonlinear Neutral Type Stochastic Integro-differential System with Rosenblatt Process - A Controllability Exploration
21:10-21:20	Natália Martins	Fractional variational principle of Herglotz for a new class of problems with dependence on the boundaries and a real parameter
21:20-21:30	Nesrine Harrouche	Fractional fuzzy differential equations under Caputo-Fabrizio derivative
21:30-21:40	Douaa Hamri	Modified hybrid combination synchronization between hyper-chaotic systems of fractional order
21:40-21:50	Nasser Al-Salti	Exact solution of a non-homogeneous fractional differential equation and its application to groundwater modeling
21:50-22:00	Tefaha Lejdel Ali	Study the behavior of the Van der Pol Oscillator containing derivatives of fractional order
21:00-21:10	Yingjie Liang	Non-Fickian diffusion on comb structures

05.12.2020-Saturday			ZOOM Link
Between Hours	**Zoom Parallel Session Room-3 (Moderators: Shahram Rezapour, Carla Pinto, Muhammad Imran Asjad, Fethi Belgacem)**		Clickt to Join Session
	Hours	Oral Presentation Speakers	Presentation Titles
16:00-21:00	**16:00-16:10**	Imad Jaradat	Partial Differential Equations Embedded Entirely in Fractional Space
	16:10-16:20	Ismail Huseynov	A class of multi-term time-delay differential equations of fractional-order and their applications to vibration theory
	16:20-16:30	Jocelyn Sabatier	Fractional-Order Derivatives Defined by Continuous Kernels: Are They Really Too Restrictive?
	16:30-16:40	Jothilakshmi Gopal	Controllability of Fractional order Integro-differential damped system with impulsive elucidation
	16:40-16:50	Khachnaoui Khaled	Infinitely many homoclinic solutions for Fractional damped vibration systems
	16:50-17:00	Krunal Kachhia	A New Image Denoising Algorithm Based on Fractal-Fractional Derivatives
	17:00-17:10	Kshetrimayum Bobina Devi	Analytic solution of fractional advection dispersion equation with decay for contaminant transport in porous media
	17:10-17:20	Mariam Al-Maskari	Numerical analysis of the time--fractional Cahn--Hilliard equation
	17:20-17:30	Matallah Hana	Image restoration by a fractional reaction_diffusion process
	17:30-17:40	Md Heshamuddin	Hybrid Operators of Summation-Integral type using shape parameter-alpha
	17:40-17:50	Md Nasiruzzaman	Approximation on a class of Szasz-Mirakyan operators via second kind of beta operators
	17:50-18:00	Meriem Araour	On numerical solution of an important class of fuzzy fractional integral equations
	18:00-18:10	Metin Turgay	Convergence properties of exponential sampling-Kantorovich series for multivalued functions
	18:10-18:20	Mina Shahidi	New concepts of fractional differentiability and integrability for fuzzy-valued functions on time scales
	18:20-18:30	Minghua Chen	Backward difference formula: the energy technique for subdiffusion equation
	18:30-18:40	Mohamed Kharrat	Using Fractional Model in order to pricing options
	18:40-18:50	Mohamed Ben Salah	Inverse source problem for fractional diffusion problem
	18:50-19:00	Mohamed Amine Boubatra	Generalized product Formula and a convolution Structure for the generalized Hankel transform
	19:00-19:10	Muhammad Abubakar Isah	Some Characterization of Osculating Curves According to Darboux Frame in Three Dimensional Euclidean Space
	19:10-19:20	Muhammad Imran Asjad	Heat Transfer Flow of Clay-Water Base Nanoparticles with the Application of Novel Constant Proportional Caputo Fractional Derivative
	19:20-19:30	Musa Çakmak	On Some Bullen Type Quantum Integral Inequalities
	19:30-19:40	Muthuselvan Kanagaraj	Nonlinear Fractional order Neutral Type Stochastic Integro-differential System with Rosenblatt Process - a Controllability Exploration
	19:40-19:50	Muthuselvan Kanagaraj	Relative Controllability of Fractional Differential Equations with Non-instantaneous Impulse
	19:50-20:00	Jocelyn Sabatier	Why the Caputo definition and the initial value problem should not be considered in a fractional model definition
	20:00-20:10	Piotr Ostalczyk	TThe CRONE control with constant pre-feedback of the plant
	20:10-20:20	Abdelhakim Idir	Performance Evaluation of Integer-order and Fractional-order Proportional Integral Speed Controllers for Induction Motor Vector Control
	20:20-20:30	Haithem Benharzallah	A spline quasi-interpolation based method for solving some fractional integral equations
	20:30-20:40	Nassim Guerraiche	On initial value problems for Caputo--Hadamard fractional differential inclusions in Banach spaces
	20:40-20:50	Berhail Amel	The convergence analysis of PDI iterative learning control for fractional differential equations
	20:50-21:00	Nora Tabouche	Study the existence of solutions of Fractional Differential Equations with two-point fractional boundary value
	21:00-21:10	Sergey Borisenok	Stabilization via Kolesnikov's Fractional Feedback
	21:10-21:20	Wei Xu	Non-integer order derivative modeling of superfast and ultraslow diffusion
	21:20-21:30	Melih Cinar	Genocchi wavelet method for a class of fractional differential equations
	21:30-21:40	Suleyman Ogrekci	Herglotz type Variational Problems on Conformable Fractional Calculus
	21:40-21:50	Serkan Aslıyüce	On the Problems of Calculus of Variatons with Fractional Derivatives
	21:50-22:00	Nur Amirah Zabidi	Numerical Solutions of Fractional Differential Equations by using Fractional Explicit Adams Method
	22:00-22:10	Farzaneh Alizadeh	Lie symmetry analysis of the nonlinear time-fractional Coupled Equal Width Wave Equation (CEWE)

06.12.2020-Sunday			ZOOM Link
Between Hours	**Zoom Keynote Session Room-1 (Moderators: Mustafa Bayram,Hossein Jaffari, Xiao-Jan Yang, HongGuang Sun,Clara Ionescu)**		**Clickt to Join Session**
	Hours	**Keynote Speakers**	**Presentation Titles**
08:40-14:00	08:55-09:20	Xiao-Jan Yang	General fractional calculus: A new viewpoint on modeling the real-world problems
	09:20-09:40	Hossein Jaffari	A new general integral transform
	09:40-10:00	HongGuang Sun	Understanding sediment transport: Experiments and stochastic model analysis
	10:00-10:20	Praveen Agarwal	New Generalization of Fractional Derivative Operators
	10:20-10:40	Omar Abu Arqub	Fractional fuzzy differential equations insight of ABC differential operator
	10:40-11:00	Clara Ionescu	Drug trapping model calibration for long term anesthesia regulation in Covid19 patients using fractal kinetics
	11:00-11:15	Ricardo Almeida	Some calculus of variations problems dealing with the distributed-order fractional derivative
	11:15-11:30	Ioannis Dassios	Singular systems of Caputo fractional differential equations and their application to Power System Control
	11:30-11:45	Qasem Al-Mdallal	Numerical Algorithm for Solving Higher-Order Nonlinear Fractional Boundary Value Problems
	11:45-12:00	Tolga Omay	Fractional Unit Root Tests Allowing for a Fractional Frequency Flexible Fourier Form Trend: Predictability of Covid-19
	12:00-12:15	Kottakkaran Sooppy Nisar	On Fractional Operators and Related Inequalities
	12:15-12:30	Lazopoulos Kanstantinos	On Λ-fractional Analysis and its applications
	12:30-12:45	Khaled Saad	Numerical Solutions of Space-Fractional Fisher equation with Caputo-Fabrizio Kernel
	12:45-13:00	Fethi Belgacem	Legitimate Paradigm Shifts in Transform Theory Pertaining to Conceptual Modeling in Fractional Calculus
	13:00-13:15	Alireza Khastan	On the existence of solution for a class of nonlinear fuzzy fractional differential equations
	13:15-13:30	Mostafa Khater	On phase separation in the ternary alloys; Numerical and computational simulations of the Atangana-Baleanu time-fractional Cahn-Allen equation
	13:30-13:45	Dinesh Kumar	Unified Finite Integrals Associated with Multivariable A-Function
	13:45-14:00	Jehad Alzabut	Further results on certain class of fractional differential equations
	14:00-14:15	Piotr Ostalczyk	The CRONE control with constant pre-feedback of the plant
14:00-14:15 BREAK			
Between Hours	**Zoom Keynote Session Room-1 (Moderators: Snezhana Hristova, Babak Shiri, C. Ravichandran, Yongshun Liang)**		**Clickt to Join Session**
14:15-16:00	**Hours**	**Keynote Speakers**	**Presentation Titles**
	14:15-14:30	Chandran Ravichandran	Results on controllability of Hilfer fractional derivative with nondense domain
	14:30-14:45	Babak Shiri	Linearly time travel property for fractional operators
	14:45-15:00	Snezhana Hristova	Riemann-Liouville fractional-order delay nonlinear systems and stability concepts
	15:00-15:15	Abedel-Karem N. Alomari	Homotopy solution for fractional differential equations with generalized Caputo-type fractional derivatives
	15:15-15:30	Abbas Muhammad	A computational approach for solving time fractional differential equation via spline functions
	15:30-15:45	Yongshun Liang	Research progress on the action mechanism of fractional calculus on continuous functions
15:45-16:00 BREAK			

06.12.2020-Sunday

ZOOM Link

Between Hours

Zoom Parallel Session Room-1 (Moderators: Omar Abu Arqub,Tolga Omay, Ioannis Dassios,Hasib Khan, Octavian Posavaru)

Clickt to Join Session

Hours	Oral Presentation Speakers	Presentation Titles
16:00-16:10	Naim Braha	On (n; k)-quasi class Q Operators
16:10-16:20	Naziha Belmahi	Stability and hopf bifurcation of glycolysis model involving caputo fractional derivative
16:20-16:30	Nourhane Attia	On solutions of fractional differential equations by an accurate computational approach
16:30-16:40	Octavian Posavaru	Generalized fractional-order hybrid of block-pulse functions and Bernoulli polynomials approach for solving fractional delay differential equations
16:40-16:50	P. Balasubramaniam	Fractional Differential Equations and its Applications in Circuits Theory
16:50-17:00	Raana Beigmohamadi	Some results on linear interval fractional difference equations
17:00-17:10	Rajendrakumar B. Chauhan	A study of the left local general truncated M-fractional derivative
17:10-17:20	Ruchi Sharma	A new fractional derivative operator and its application to diffusion equation
17:20-17:30	Saad Abdelkebir	Analytical conformable solution for Time-fractional generalized tricomi equation by the method of separation variables
17:30-17:40	Sadettin Kurşun	Multidimensional Mellin-Taylor formula and applications to Voronovskaya type theorem
17:40-17:50	Safar Irandoust Pakchin	New numerical method based on Lubich approximation of FDEs
17:50-18:00	Said Beloul	Application of measure of non compactness to boundary value problems of nonlinear fractional differential equations
18:00-18:10	Salah Zitouni	Local Existence and Ulam Stability for Delayed Fractional Differential Equations
18:10-18:20	Salim Ben Chikh	Existence results for hybrid fractional differential equations involving the GPF derivative with non local multipoint hybrid boundary conditions
18:20-18:30	Seda Kilinç Yildirim	On the Hermite-Hadamard-Mercer Type Inequalities for Generalized Proportional Fractional Integrals
18:30-18:40	Sefa Anıl Sezer	Some applications of Hölder integrability in q-calculus
18:40-18:50	Seham Al roweathi	Pricing Derivatives under Fractional Vasicek Model
18:50-19:00	Shiva Eshaghi	Dynamical Behavior of a Fractional Gause-Type prey-predator Model with Holling Type II Functional Response
19:00-19:10	Shiva Eshaghi	Generalized Fractional Adams-Bashforth-Moulton Method for Numerical Solution of the Differential Equations with Regularized Prabhakar Fractional Derivative
19:10-19:20	Shumaila Javeed	A study of Fractional Dengue Model
19:20-19:30	Sofiane Maza	ACO-CVRP: Ant Colony Optimization for Capacitated Vehicle Routing Problem
19:30-19:40	Stiven Enrique Diaz Noguera	Subordination principle and the Levy α-stable distribution on discrete time.
19:40-19:50	Suliman Alfaqeih	A Novel Numerical Approach for the Analytical Solutions of Conformable Nonlinear Waves in a Rotating Ocean (Conformable Gardner–Ostrovsky Model)
19:50-20:00	Mustapha Fateh Yarou	Three-point boundary value problems for fractional differential inclusions
20:00-20:10	Fatima Zohra Mostefai	On a Fractional Differential Inclusion in Banach Space Under Weak Compactness Condition
20:10-20:20	Rabiaa Aouafi	Ulam-type stability of higher-order nonlinear impulsive fractional differential equations
20:20-20:30	Fatma Al-Musalhi	Lie symmetry analysis of fractional diffusion equation involving Caputo derivative
20:30-20:40	Rahai Amira	Existence and Uniqueness of Solution for a Fractional Thixotropic Model
20:40-20:50	Mesrur Ümit Bingöl	The Analysis of Plant Communities Belonging to Forest Vegetation of Sakarat Mountain (Amasya) in Fuzzy Similarity Environment
20:50-21:00	Dennis Agbebaku	Analytic Solution to fractional order cubic-quintic Duffing Oscillator
21:00-21:10	Norazrizal Aswad Abdul Rahman	Semi Analytical Method for Fractional Partial Differential Equations with Uncertainties
21:10-21:20	Karima Rabah	State feedback stabilization of fractional order Lorenz chaotic system based on bifurcation diagrams
21:20-21:30	Aajaz A. Teali	A Quaternionic Analogue of the Fractional Wavelet Transform
21:30-21:40	Soumia Bourchi	Existence of solution and approximate controllability with Atangana–Baleanu-Caputo fractional stochastic differential equations in Hilbert spaces
21:40-21:50	Fareh Hannachi	FSHP synchronization between fractional- integer-order systems
21:50-22:00	Ougherb Chewki	Ab initio study of disordered inverse spinel MgIn2S4, pressure effect and phase transition mechanism

16:00-21:00

06.12.2020-Sunday

ZOOM Link

Between Hours

Zoom Parallel Session Room-2 (Moderators: Raoul Nigmatullin, Yongshun Liang, Sunil Kumar, Alireza Khastan, Anwarud Din, Tukur Abdulkadir Sulaiman)

Clickt to Join Session

	Hours	Oral Presentation Speakers	Presentation Titles
16:00-21:00	16:00-16:10	Sümeyra Uçar	Existence results for a hepatitis C model
	16:10-16:20	Taki eddine Oussaeif	Existence and uniqueness of the solution for an inverse problem of a fractional diffusion equation with integral condition
	16:20-16:30	Tukur Abdulkadir Sulaiman	Analysis and numerical computations of the fractional regularized long-wave equation with damping term
	16:30-16:40	Udhayakumar Ramalingam	Some results on Hilfer fractional neutral stochastic differential system
	16:40-16:50	Umme Tuba	Some New Sequence Spaces of Ideal Convergent Fuzzy Star Shaped Numbers
	16:50-17:00	Wickramaarachchi Gunarathna	A unified explicit form for difference formulas for fractional and integer-order derivatives and applications
	17:00-17:10	Ya Jun Yu	Thermoelasticity for piezoelectric material based on new definitions of fractional derivatives
	17:10-17:20	Yacine Halim	Dynamical behavior of a P-dimensional system of fractional nonlinear difference equations
	17:20-17:30	Yifei Sun	Development and application of the fractional plasticity for geomaterials
	17:30-17:40	Abdallah Menad	On Some Diffusion Problems with Interfaces and Concrete Applications
	17:40-17:50	Abdelaziz Azeb Ahmed	Quasistatic contact problem with wear and damage in piezoelectricity
	17:50-18:00	Aberqi Ahmed	On some Weighted fractional evolution problem
	18:00-18:10	Adel Lachouri	Existence and uniqueness results for Ψ-Hilfer fractional differential equations with nonlocal integral boundary conditions
	18:10-18:20	Alhaji Abdullahi Gwani	Toy Entropic Gravity
	18:20-18:30	Ali Khalouta	Numerical solution of the Caputo time-fractional Newell-Whitehead-Segel equation
	18:30-18:40	Amira Khelifa	General solution of a system of fractional difference equations of higher order in terms of Fibonacci numbers
	18:40-18:50	Areen Al-Khateeb	Existence and Stability of Coupled Sequential Fractional Differential Equations with Boundary Conditions
	18:50-19:00	Berhail Amel	The convergence analysis of PDI iterative learning control for fractional differential equations
	19:00-19:10	Asma Guemoula	Existence and Uniqueness of Solutions for Cauchy Problems in the Frame of Fractional Proportional Derivative
	19:10-19:20	Benali Abdelkader	Class of (N, M)-Power-D-Hyponormal Operators in Hilbert Space
	19:20-19:30	Benoumelaz Farouk	Fractional Calculus in the Field of Automatic Control Systems
	19:30-19:40	Bounadja Hizia	Decay Rates for the Moore-Gibson-Thompson Equation with Memory
	19:40-19:50	Chaouchi Belkacem	Analytical Solutions of Boundary Values Problem of 2d Biharmonic Equation Set in Cusp Domain
	19:50-20:00	Doria Affane	Existence result to fractional differential inclusions
	20:00-20:10	Mohd Irfan	An Efficient Fibonacci Wavelet Collocation Method for Solving Telegraph Equations of Fractional Order
	20:10-20:20	Zahira KHETTAB	Spectral Distribution function of Covariance Matrices with AR Processes Entries
	20:20-20:30	Rahai Amira	Existence and Uniqueness of Solution for a Fractional Thixotropic Model
	20:30-20:40	Melkemi Oussama	On the multi-dimensional hyperbolic-parabolic model arising from chemo-taxis with the Riesz fractional derivative operator.
	20:40-20:50	Ali Slimani	Stochastic Keller-Segel model with fractional derivative driven by multiplicative noise
	20:50-21:00	Hassiba Belaribi	Mathematical models and ANN model to predict the compressive strength
	21:00-21:10	Waseem Z. Lone	Nonuniform Multiresolution Analysis Associated with Fractional Fourier Transform
	21:10-21:20	Julio Cesar Basilio	Fractional controller LQR-based with parameters optimized by Cross-Entropy method in a cart-pendulum system
	21:20-21:30	Agus Suryanto	Dynamics of a Fractional Order Gause-Type Predator-Prey Model with Continuous Threshold Harvesting
	21:30-21:40	Mehmet Yavuz	Classical and Generalized Mittag-Leffler Kernels in Option Pricing Models
	21:40-21:50	Nur Shofianah	Dynamical Analysis of a Fractional Order HIV/AIDS Model
	21:50-22:00	Halil ANAÇ	Local Fractional Kamal Transform Decomposition Method to Solve for Nonlinear Local Fractional Partial Differential Equations

06.12.2020-Sunday

ZOOM Link

Between Hours

Zoom Parallel Session Room-3 (Moderators: Qasem Al-Mdallal, C. Ravichandran, Ozlem Defterli, Ahmed Bokhari,Octavian Posavaru)

Clickt to Join Session

Hours	Oral Presentation Speakers	Presentation Titles
16:00-16:10	Djilali Laid	Time Fractional Diffusion Equations
16:10-16:20	Ehab Esmail	Application of Fractional Calculus to Some Industries
16:20-16:30	Ferouani Abdel Karim	Effect of Pressures on a Negative Corona Discharge in Wire-Cylinder Type Reactor Using F.C.T Method.
16:30-16:40	Iman Ben Othmane	Behavior of the Solutions of Some Systems of Non-Integer Differential Equations : Comparison and Principle of the Maximum
16:40-16:50	José Geraldo Telles Ribeiro	Using Fractional Calculus to Model Viscoelastic Behavior in Concrete and Polymers
16:50-17:00	Khatir Khettab	A New Fractional Variable Step Size Incremental Conductance for Mppt Based on Fractional Adaptive Nonlinear Controller
17:00-17:10	Linda Minacria	Existence of Weak Solution for Impulsiv Fractional Problem Via Topological Degree
17:10-17:20	Majid Madadi	Investigation of Existence of Solutions for Interval-Valued Delay Differential Equations of Fractional Order
17:20-17:30	Medjahdi Ines Sara	Effects of Concentration in a N_2/O_2 Mixture on Emission Spectra
17:30-17:40	Medjahed Djilali	Application of Kudryashov and (G'/G) - Expansion Methods to Solve Time - Fractional Biological Population Model (Tfbpm)
17:40-17:50	Megraoui Fatima Zohra	Reliability Bounds of Dependent Linear Consecutive K-Out-Of-N:G Systems
17:50-18:00	Mohamed Elarbi Benattia	Analytical Solution of Newel-Whitehead-Segel Equation Using Conformable Sumudu Decomposition Method
18:00-18:10	Mouna Lemkeddem	On the Controllability of Impulsive Semilinear Fractional Differential Equation with Nonlocal Condition and Impulses in Banach Space
18:10-18:20	Mounira Azouzi	Existence–Uniqueness Results for Cauchy Problem of Generalized Proportional Fractional Derivative
18:20-18:30	Nesba Nour El Houda	Numerical Solution of Multiterm Fractional Differential Equations
18:30-18:40	Nikita Bhangale	A Fractional Calculus Approach to Study Newton's Law of Cooling
18:40-18:50	Ramasamy Arul	Results on Boundary Value Problems for Hybrid Differential Equations Involving Q-Fractional Derivative
18:50-19:00	Rezzoug Imad	Approximate Sentinels for Distributed Systems
19:00-19:10	Tahar Bouali	Existence of Weak Solution for Impulsive Fractional Problem Via Browder Theorem
19:10-19:20	Venkatachalam K	Existence Results for Multipoint Integral Boundary Value Problems of Fractional Integro Differential Equations
19:20-19:30	Jocelyn Sabatier	Why the Caputo definition and the initial value problem should not be considered in a fractional model definition
19:30-19:40	Melkemi Oussama	On the multi-dimensional hyperbolic-parabolic model arising from chemo-taxis with the Riesz fractional derivative operator.
19:40-19:50	Ali Slimani	Stochastic Keller-Segel model with fractional derivative driven by multiplicative noise
19:50-20:00	Carlos A. Valentim	Fractional mathematical oncology: cancer-related dynamics under an interdisciplinary view
20:00-20:10	Benhadri Mimia	Existence of Positive Periodic Solutions of a Neutral Delay Lotka --Volterra Competitive Systems
20:10-20:20	Sara Dob	Finite Difference Approximation of a Nonlinear Fractional System
20:20-20:30	Maria Ghita	Fractional Calculus and Respiratory Impedance in Lung Cancer Tissue
20:30-20:40	Sekkour Hamida	Numerical Modeling of Cylindrically Structures
20:40-20:50	Ahlem Merah	Blow-Up of Solution for A Nonminear Wave Equation with P(X,T)-Lapacian Operator and Fractional Damping
20:50-21:00	Ramazan Ozarslan	On the Orthogonality of Eigenfunctions in Conformable Hilbert Space
21:00-21:10	Benhadri Mimia	An Asymptotic Result for stochastic neutral differential equations
21:10-21:20	Samira Rihani	Stability of pseudo almost periodic solutions of Caputo fractional differential equations
21:20-21:30	Mohamed Zellal	An accurate algorithm for solving biological population model by the variational iteration method using He's polynomials
21:30-21:40	Doğan Can Topbaş	Facade Evaluation Based on the Fractal Dimension (Mersin and Tarsus House)
21:40-21:50	Münevver Tuz	Some inverse problems for the non-local heat equation with the caputo fractional derivative
21:50-22:00	Münevver Tuz	Global Exponential Stability of Fractional-Order Neural Networks with Delay