**ICOM 2021 ONLINE CONFERENCE
PRESENTATIONS PROGRAMME**

MAIN ROOM	
09.00	Chair's Opening Speech
09.00-09.30	Keynote Speaker/Mehmet Emir Köksal Use of Fractional Calculus in Science and Engineering
10.10-10.40	Keynote Speaker/Sakthivel Rathinasamy, Fault-tolerant tracking control design for fractional- order nonlinear control systems

01 December 2021-Main Room	
Time	**Presenter and title of presentation: Chair Kenan Yıldırım**
10.45-11.00	Paltanea Veronica, A Mathematical Model of Hysteresis in Soft Magnetic Materials
11.00-11.15	Silvana Liftaj, Fixed point results for (α,μ,φ)-generalized Meir-Keeler contraction on quasi 2-normed spaces
11.15-11.30	Marek T. Malinowski, Symmetric Fuzzy Stochastic Differential Equations: Generalization of the Lipschitz Condition
11.30-11.45	Mohammed Alhatmi, On the motion of a dumbbell micro-spheres subjected to a time-periodic external field
11.45-12.00	Jelena Visnjic, On (b,c)-inverses in rings
12.00-12.15	Jelena Visnjic, On additive formulas for the Drazin inverse of complex matrices and block representations
12.15-12.50	**Keynote Speaker/Giuseppe Conte** Problems and results in the matching problem for max-plus dynamical systems
12.50-13.00	**BREAK TIME(10 Minutes)**
13.00-13.15	Snezhana Hristova, Stability for generalized proportional Caputo fractional differential equations
13.15-13.30	Snezhana Hristova, Survey of stability for

	various types of fractional differential equations
13.30-13.45	Atika Archid, Global symplectic Lanczos method with application to matrix exponential approximation
13.45-14.00	Fernando León Saavedra, On statistical convergence modulated by a function
14.00-14.15	Sakina Othmani, Exponential synchronization of retarded BAM neural network systems
14.15-14.30	Pavel Toktaliev, Robust parallel solver for computational continuum mechanic problems
14.30-14.45	Artion Kashuri, Several New Bounds of Gauss-Jacobi Type Quadrature Formula Pertaining to s-Convex Functions
14.45-15.00	Rozana Liko, Several New Bounds of Hermite-Hadamard Type Integral Inequalities Pertaining to s-Convex Functions And Their Applications
15.00-15.15	Mimoza Shkëmbi, Comparison of the order-type integrals in Riesz Space
15.15-15.30	Mimoza Shkëmbi, The strong versions of the order-McShane and Henstock integrals in Rıesz space
15.30-15.45	Alessandro Barbiero, Discretization of Continuous Random Distributions Based on the Minimization of a Statistical Distance between Cumulative Distribution Functions
15.45-16.00	Rigena Sema, Solving Lientof model with algebric methods and its implementation in R
16.00-16.15	Rigena Sema, The algebraic method of solution of a inhomogeneous linear system of differential equations with constant coefficients and its implementation in R
16.15-16.30	Imane Jarni, Skorokhod reflection problem for

	regulated processes
16.30-16.45	Fares Alazemi, Statistical inference for non-ergodic weighted fractional Vasicek models
16.45-17.00	Ihsan Arharas, Doubly Reflected Backward Stochastic Differential Equations in the Predictable Setting
17.00-17.15	Shengyue Li, On spectral Petrov-Galerkin method for solving fractional initial value problems in weighted Sobolev space

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room A **Chair Mehmet Emir Köksal**	
Time	**Presenter and title of presentation**
13.00-13.15	Sergey Borisenok, Feedback Control for Attractor Dynamics in the Epileptor Model
13.15-13.30	Sergey Borisenok, Statistical Physics Approach to Small Scale Artificial Neural Networks
13.30-13.45	Mehmet Emir Koksal, Commutativity and Wangerin Differential Equation
13.45-14.00	Salhi Tayeb, limit cycles of continuous and discontinuous piecewise differential systems formed by linear and cubic isochronous centers
14.00-14.15	Şevval Tuğçe Badik, Machine Learning Classification Model for Heart Failure Patients
14.15-14.30	Taylan Demir, Through Unimodular Matrix on SLE using LaTex

Time	Presenter and title of presentation
14.30-14.45	Benoumelaz Farouk, Algorıthm for solvıng a transportatıon problem wıth fıve ındıcators
14.45-15.00	Khachnaoui Khaled, The Nehari manifold method for Perturbed Dynamical Systems
15.00-15.15	TaoufikMoulahi,Approximate controllability of nonsimple elastic plate with memory
15.15-15.30	Boudjerada Rachida, Convergence of an implicit scheme for diagonal hyperbolic systems
15.30-15.45	Boudjerada Rachida, Numerical analysis of a diagonal hyperbolic system of non-conservative form. Application to disloctaions densities
15.45-16.00	Aissam Jebrane, A Crowd Dynamic-based Approach to Calculate Contact Matrices for Epidemiological Models
16.00-16.15	Ulviye Demirbilek,The Spectral Expansion Formula for a Discontinous Equation of Second Order
16.15-16.30	Ulviye Demirbilek,On the Spectral Properties of a Boundary Value Problem with Spectral Parameters

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room B **Chair Bekir Yıldırım**	
Time	**Presenter and title of presentation**
13.00-13.15	Youssef Benfatah, On the Maximal Output Admissible Set for a Class of Bilinear Discretetime Systems
13.15-13.30	Salisu Ibrahim, Solution for Second-Order

	Differential Equation Using Least Square Method
13.30-13.45	Salisu Ibrahim, Commutativity Associated with Euler Second-Order Differential Equation
13.45-14.00	Nabaa Watheq Azeez Alkayal, Dynamics of a Biological System with Discontinuous Effects
14.00-14.15	Remziye Funda Bilgin, Commutativity of a Third-Order Discrete-Time Linear Time-Varying System
14.15-14.30	Yagub Aliyev, From The First Remarkable Limit to a Nonlinear Differential Equation
14.30-14.45	Lahoucine Boujallal, Partial asymptotic null-controllability with mixed state-input constraints
14.45-15.00	Lahoucine Boujallal, Partial asymptotic null-controllability for semilinear evolution equations in Hilbert spaces
15.00-15.15	Nalin Fonseka, Modeling the effects of density dependent emigration, weak Allee effects, and matrix hostility on patch-level population persistence
15.15-15.30	Sanjukta Das, Hilfer fractional stochastic differential equation and optimal control
15.30-15.45	Abdallaoui Abdelaziz, Development of a neural statistical model for the relative humidity levels prediction in the region of Rabat-Kenitra (Morocco)
15.45-16.00	Rebiha Sarıdugan, A Study of Stability of Differential Equations in the Sense of Ulam
16.00-16.15	Jaouad Danane, Mathematical modeling of COVID-19 with Vaccination Strategy Driven by Lévy Jump Perturbation

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room C **Chair Mehmet Fatih Karaaslan**	
Time	**Presenter and title of presentation**
13.00-13.15	Mehmet Fatih Karaaslan, A special Green-function for steady-state fractional differential equations with nonlocal boundary condition
13.15-13.30	Salhi Tayeb, Limit cycles of continuous and discontinuous piecewise differential systems formed by the linear center and the uniform isochronous quadratic or cubic center
13.30-13.45	Saadeddine Essarrout, Numerical analysis of PDE with random coefficients
13.45-14.00	Monireh Nosrati Sahlan, A new approach for solving distributed order fractional partial differential equations
14.00-14.15	Mohsen Abdolhosseinzadeh, A Hybrid Genetic Algorithm for Improving the Approximate Solutions for Travelling Salesman Problem
14.15-14.30	Monireh Nosrati Sahlan, Fractional Bernoulli wavelets for solving fractional Burger's Equation
14.30-14.45	Zeynep busra Bayramoglu, Wiener-Hopf Analysis of Sound Propagation in a Duct with a Groove in the Inner Wall
14.45-15.00	Mudasir Younis, A Study of the Solutions of Notable Engineering Problems
15.00-15.15	Mojtaba Sajjadmanesh, The Analytic Solutions for 2D First Kind Fredholm Integral Equations with Symmetirc Kernels Using Eigenfunction Expansion
15.15-15.30	Cole Temilade, A Block Hybrid Scheme for the

	Solution of First Order Ordinary Differential Equations
15.30-15.45	Kaoutar Nasroallah, Approximation of stochastic differential equations with jumps under irregular coefficients
15.45-16.00	Aiane Nabila, Stochastic Ill-posed Problem with α-mixing errors
16.00-16.15	Ou-Yassine Ali, New Modified Square Root Quadratic Proximal (SRQP) Method for Nonlinear Complementarity Problems
16.15-16.30	Orhan Özdemir, A Note on the Comparison Theorems for Second Order Neutral Dynamic Equations on Time Scales

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room D **Chair Gümrah Uysal**	
Time	**Presenter and title of presentation**
13.00-13.15	Gumrah Uysal, Approximation by Nonlinear Multivariate Convolution Operators in Differentiation Sense
13.15-13.30	Ebru Aydoğan, Unbounded Convergence Structure Properties in Riesz Spaces
13.30-13.45	Sevilay Kırcı Serenbay, Bivariate Max-Product Bleimann–Butzer–Hahn Operators
13.45-14.00	Ömer Kişi, Some Results on Rough Weighted Ideal Statistical Convergence of Sequences
14.00-14.15	Ömer Kişi, On Wijsman Iλ-Statistical Convergence for Sequences of Sets in Intuitionistic Fuzzy Normed Spaces

14.15-14.30	Ben Sorowen, Eigenvalue estimates for a magnetic Schrödinger operator in a waveguide
14.30-14.45	Mohammad Younus Bhat, The 2-D Hyper-complex Gabor Quadratic-Phase Fourier Transform and Uncertainty Principles
14.45-15.00	Gökay Karabacak, Statistical Convergence and Some Generalization
15.00-15.15	Sevcan Bulut, On Rough Statistical Convergence
15.15-15.30	Mehmet Öner Şakar, On General Results on Absolute Matrix Summability Factors
15.30-15.45	Mehmet Öner Şakar, On Summability of Infinite Series and Fourier Series
15.45-16.00	Showkat Ahmad Dar, Certain properties of (p,υ)-generalisation of Srivastava's hypergeometric summation function H_A with triple complex variables
16.00-16.15	Fazia Harrache, Cut locus of L^1 sub-Finlser problems in R^3: two case studies.
16.15-16.30	Raid Zouai, Existence of Non-Trivial Solutions For The p&q-Laplacian Problem With Discontinuous Nonlinearity
16.30-16.45	Hojjat Afshari, α-Admissible multi-valued mappings and related common fixed point theorems
16.45-17.00	Layan El hajj, On The Univalence Of Poly-Analytic Functions

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room E **Chair Adem Akkus** **(Geometry,Topology,Math. in Other areas,Math Ed.,STEM)**	
Time	**Presenter and title of presentation**
13.00-13.15	Erhan Güler, Curvatures of the Astro-Rotational Hypersurfaces
13.15-13.30	Erhan Güler, Translation Hypersurfaces and Curvatures in the Four Dimensional Euclidean Space
13.30-13.45	Punam Gupta, Second Order parallel tensor on generalized f.pk-space form and hypersurfaces of generalized f.pk-space form
13.45-14.00	İlkay Arslan Güven, A new type of dual numbers
14.00-14.15	Semra Kaya Nurkan, A New Type of Dual Numbers
14.15-14.30	Ayşe Yavuz Taşcı, Pseudo Concircular Ricci Symmetric Spacetimes Admitting Special Conditions
14.30-14.45	Şerife Nur Bozdağ, Some Special Types of Legendre Curves
14.45-15.00	Kaushik Dehingia, Analysis of a cancer-obesity model under the treatment with quadratic optimal control approach
15.00-15.15	Serap Karagöl, Comparison of Static Path Planning Models by Time Requirement
15.15-15.30	Bekir Yıldırım, Online Professional Development in STEM Education during the COVID-19 Pandemic: STEM Teacher Institutes
15.30-15.45	Ali Ahmad, Mathematics Performance of Community college students in an online environment during the COVID-19 Pandemic

Time	Presenter and title of presentation
15.45-16.00	Mehmet Ali Kaygusuz, Artificial neural networks for non-parametric regression with biological data
16.00-16.15	Pubudu Hitigala Kaluarachchilage, An Analytical Approach to Assess and Compare the Vulnerability Risk of Operating Systems
16.15-16.30	Yeşim Tunçay, Coincidence and Common Fixed Soft Point Theorems ın Paramtric Soft Metric Spaces
16.30-16.45	Claude Mederic NDIMBA, Analyzing the performance of French and German car brands by using a new simultaneous analysis method
16.45-17.00	Bernédy Nel Messie Kodia banzouzi, Some measures of dependence in the case of Sub-Gaussian symmetric alpha-stable random vectors
17.00-17.15	Semmar Sihem, Semi-recursive kernel conditional density estimators under random censorship and dependent data

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room F (Algebra/Number Theory and Logic) Chair Tayfun Abut	
Time	Presenter and title of presentation
13.00-13.15	Rezvan Varmazyar, On the semiprime submodules of Noetherian modules
13.15-13.30	Maram Alossaimi, Poisson algebras and Poisson

	prime ideals
13.30-13.45	Yagub Aliyev, Invariance of Special Class of Rational Numbers
13.45-14.00	Özlem Tekin, Prime Ideals of Gamma Nearness Near Ring
14.00-14.15	Igor Ciganović, Reducibility of some generalized principal series of the metaplectic group
14.15-14.30	Igor Ciganović, Composition series of a class of induced representations
14.30-14.45	Hasan Hüseyin Ökten, On eg-Supplemented Modules
14.45-15.00	Hasan Hüseyin Ökten, On Finitely e-Supplemented Modules
15.00-15.15	Celil Nebiyev, Some Properties of Cofinitely eg-Supplemented Modules
15.15-15.30	Celil Nebiyev, On s-Supplemented Modules
15.30-15.45	Hilal Başak Özdemir, On Strongly plus-g-Rad-Supplemented Modules
15.45-16.00	Hilal Başak Özdemir, Cofinitely plus-g-Rad-Supplemented Modules
16.00-16.15	Anja Arfa, Ternary Hom-Jordan algebras induced by Hom-Jordan algebras
16.15-16.30	Nosratollah Shajareh Poursalavati, Some properties of Finite Generalized Groups
16.30-16.45	Rasie Mekera, The Source of Semiprimeness on Semigroup Types
16.45-17.00	Nazeran Idrees, Some combinatorial properties of spanning simplicial complex
17.00-17.15	Zriaa Said, A new approach for computing the inverse of confluent Vandermonde matrices via Taylor's expansion

17.15-17.30	Zishan Arshad, Group Action on Fuzzy Ideals of Near-Rings

ICOM 2021 Conference Presentations Programme	
01 December 2021-Room H **(Geometry, Analysis)** **Chair Talat Körpınar**	
Time	**Presenter and title of presentation**
13.00-13.15	Ahmet Sazak, Tangent Surfaces of Adjoint Curves
13.15-13.30	Ahmet Sazak, Focal Surfaces of Adjoint Curves
13.30-13.45	Rıdvan Cem Demirkol, Energy on the Nf-Magnetic curves
13.45-14.00	Rıdvan Cem Demirkol, Energy of Timelike spherical Magnetic Curves on the De-Sitter Space S_1^2
14.00-14.15	Zeliha Körpınar, New type constant Π_2- slope curves according to type-2 Bishop frame
14.15-14.30	Zeliha Körpınar, New Characterization of Schrödinger Flow with Bäcklund Transformations
14.30-14.45	Talat Körpınar, Quasi Focal Curves of Timelike Curves in Minkowski Space
14.45-15.00	Talat Körpınar, Smarandache TNB Curves of Helices in Sol Space
15.00-15.15	Erhan Deniz, Fekete-Szegö Problem Functional Problems For Some Subclasses of Bi-Univalent Functions Defined By Deniz-Özkan Differential Operator

15.15-15.30	Erhan Deniz, Coefficient Estimates For A Certain Subclass of Bi-Univalent Functions Defined By using Deniz-Özkan Differential Operator
15.30-15.45	Zeynep Yıldırım, Some Families of Meromorphic Functions Involving a Differential Operator
15.45-16.00	Zeynep Yıldırım, Neighborhoods and Partial Sums of Certain Meromorphic Functions
16.00-16.15	Sercan Kazımoğlu, Neighborhoods of Certain Classes of Analytic Functions Defined By Rabotnov Function
16.15-16.30	Sercan Kazımoğlu, Hardy Space of Rabotnov Function
16.30-16.45	Yücel Özkan, Application of Fractional Calculus Operators to the functions in the certain subclasses of analytic functions
16.45-17.00	Yücel Özkan, Hadamard Products of Uniformly Starlike and Convex Functions Associated with Deniz-Özkan Differential Operator
17.00-17.15	Tayfun Çoban,Some Convexity Properties for a New p−valent Integral Operator
17.15-17.30	Tayfun Çoban, p−valently Convex of Complex Order for a General Integral Operator
17.30-17.45	Muhsin İncesu, On The Ruled Surface According to Dual Bézier Curvess
17.45-18.00	Muhsin İncesu, On The Spherical Projection of Dual Bézier Curves