

ICOM 2019	
ORAL PRESENTATIONS/SALOON A	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration
10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
13.00-15.00	Presentations(Applied Mathematics)/Chair:Mehmet Şenol
13.00-13.15	Ruhaila Md Kasmani, Magnetohydrodynamic Sakiadis Flow of Williamson Fluid over a Horizontal Plate with Cattaneo-Christov Heat Flux Model
13.15-13.30	Burak Oğul, Solution of the Maximum of Difference Equation $x(n+1)=\max[A/x(n-1), y(n)/x(n)]$; $y(n+1)=\max[A/y(n-1), x(n)/y(n)]$
13.30-13.45	Burak Oğul, Solution of the Rational Difference Equation $x(n+1)= x(n-11)/[1+x(n-3)x(n-7)]$
13.45-14.00	Gökçe Yıldız, Bell polynomial solutions of high order linear Volterra integro differential equations with functional delays
14.00-14.15	Zlatko Varbanov, New DNA codes from additive self-dual F4-codes
14.15-14.30	Mehmet Şenol, Analytical Solutions for Conformable Fractional Order (3+1)-Dimensional Telegraph Differential Equation
14.30-14.45	Mehmet Şenol, Approximate Solution Procedure for Conformable Fractional Order (3+1)-Dimensional Telegraph Differential Equation by Residual Power Series Method
14.45-15.00	Fajar Adi Kusumo, An Intra-Host Dynamics Model of Toxoplasma Gondii with Indirect Interaction

	between Hosts
15.00-15.15	Coffee Break
15.15-17.30	Presentations(Applied Mathematics) /Chair: Ahmet Topal
15.15-15.30	Ahmet Topal, A Comparative Study for Fuzzy Rough Approximation Algorithms on Datasets with Different Characteristics
15.30-15.45	Erkan Gürsu, Nonlinear Partial Differential Equations Related to Baouendi-Grushin Vector Fields
15.45-16.00	Bahlil Mounir, Stability result of the Bresse system with delay and boundary feedback
16.00-16.15	Ali Sevimlican, Elastodynamics of 3D Quasicrystals in Inhomogeneous Media
16.15-16.30	Melda Duman, An Approximation for Hadamard fractional derivative
16.30-16.45	Seda Göktepe Köroğlu, Optimal Control of Advection-Diffusion Process with a Bilinear Control
16.45-17.00	Sümeyye Ar, On the Commutativity Conditions of Digital Systems
17.00-17.15	Şükran Uygun, Some Tridiagonal Matrices with generalized Jacobsthal and Jacobsthal-Lucas Polynomial Sequences
17.15-17.30	Şükran Uygun, The Relation Between Chebyshev Polynomials and Jacobsthal and Jacobsthal Lucas Sequences
17.30-19.30	Conference Opening Ceremony

ICOM 2019	
ORAL PRESENTATIONS SALOON B	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration

10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
13.00-15.00	Presentations(Geometry) Chair: Şenay Bulut
13.00-13.15	Milan Zlatanovic, Connections on non-symmetric manifolds
13.15-13.30	Hasna Essoufi, The geometry of generalized Cheeger-Gromoll metrics on the total space of transitive Euclidean Lie algebroids
13.30-13.45	Özgür Keskin, Applications of Rotation Minimizing Vector Fields on Curves and Surfaces in Minkowski Space
13.45-14.00	Özgür Keskin, A Rotation Minimizing Frame and Ruled Surface in R^n
14.00-14.15	Şenay Bulut, A Quarter-symmetric Metric Connection on Almost Contact B-metric Manifolds
14.15-14.30	Lazarus Chijioke Nwachukwu, Use of Geometric Transformations in Solving Euclidean Geometry Problems with Dynamic Geometry Software Application
14.30-14.45	Milad Bastami, Some Curvature Properties Of Non-Reductive Pseudo Riemannian Manifolds Of Dimension Four
14.45-15.00	Milad Bastami, On Some Metrics with Recurrent Curvature Tensor
15.00-15.15	Coffee Break
15.15-17.30	Presentations(Geometry) Chair:Gözde Özyurt
15.15-15.30	Gözde Özyurt, Properties of Hyperbolic Split Semi Quaternions and Their Matrices
15.30-15.45	Gözde Özyurt, A Study on Real Split Semi

	Quaternion Matrices
15.45-16.00	Sevgi Enveş Ermiş, Almost Contact B-metric Structure on 5-dimensional Nilpotent Lie algebras
16.00-16.15	Mustafa Yıldırım, On fhi-recurrent Kenmotsu Manifolds
16.15-16.30	Mehdi Nabil, Cohomology Of Co-invariant Differential Forms
16.30-16.45	Soukaina Ouarab, Special Ruled Surfaces with Frenet Frame in Euclidean 3-space
16.45-17.00	Soukaina Ouarab, Special Darboux Ruled Surface in Euclidean 3-Space
17.00-17.15	Aslıhan İklim Şen, On the Construction of Intrinsic Metric on the Added Sierpinski Triangle
17.15-17.30	Seher Kaya, Generalized Helices and Frame of Frenet-Type
17.30-19.30	Conference Opening Ceremony

ICOM 2019	
ORAL PRESENTATIONS SALOON C	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration
10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
13.00-15.00	Presentations(Analysis) Chair:Şahsene Altınkaya
13.00-13.15	Şahsene Altınkaya, The (p,q)-Chebyshev polynomial coefficients for a certain subclass of analytic and bi-univalent functions

13.15-13.30	Şahsene Altınkaya, Some applications of the (p,q) -Lucas polynomials to an unified class of bi-univalent functions
13.30-13.45	Tatiana Yakovleva, Two-Parameter Analysis of Rician Data as an Efficient Tool of Stochastic Signals' Processing
13.45-14.00	Tatiana Yakovleva, An Application of the Rice Statistical Model in Tasks of Optical Metrology
14.00-14.15	Bahadır Özgür Güler, Triangles in the suborbital graphs of the normalizer
14.15-14.30	Samed Özkan, PreT2, T2 and T3 Proximity Spaces
14.30-14.45	Samed Özkan, Local T4 Objects in the Category of Proximity Spaces
14.45-15.00	Sibel Yalçın Tokgöz, An Application of q -Derivative to a Subclass of Harmonic Univalent Functions
15.00-15.15	Coffee Break
15.15-17.30	Presentations(Applied Mathematics) Chair:Dilek Demirkuş
15.15-15.30	Dilek Demirkuş, Linear SH Waves in a Two - Layered Plate
15.30-15.45	Mojtaba Bakherad, Recent results in Berezin number inequalities
15.45-16.00	Mehmet Yavuz, Sumudu Transform Solution of the Inhomogeneous Burgers Equation
16.00-16.15	Erkan Taşdemir, On The Stability Analysis of a System of Difference Equations
16.15-16.30	Erkan Taşdemir, On The Stability of A Nonlinear Difference Equation
16.30-16.45	Ali Akgül, Reproducing Kernel Functions For Solution of Linear and Nonlinear Third order Fractional Differential Equations
16.45-17.00	Sergey Borisenok, Controlled Hodgkin-Huxley Network Model for Suppressing Epileptic Seizes Detected from the Intracranial EEG Signals
17.00-17.15	Hülya Aytar, On the bounds for the spectral norms of geometric and r -circulant matrices with Bi-

	periodic Jacobsthal numbers
17.15-17.30	Hale Gül Dag, Boole Polynomail Solutions of Linear Volterra Integro-Differential Equations
17.30-19.30	Conference Opening Ceremony

ICOM 2019	
ORAL PRESENTATIONS SALOON D	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration
10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
13.00-15.00	Presentations(Probability and Statistics) Chair:Serkan Öztürk
13.00-13.15	Serkan Öztürk, Magnitude-Frequency Statistic and Fractal Dimension of Seismicity in and around Van Province of Turkey: Assessing the Annual Probabilities and Recurrence Times
13.15-13.30	Serkan Öztürk, Regional and Temporal Properties of Earthquake Occurrences in Van Province and its vicinity, Turkey: Observations on the Current Seismic Behaviors at the beginning of 2019
13.30-13.45	Badreddine Azzouzi, Study Asymptotic of linear Processes for Dependent Random Variables
13.45-14.00	Vilda Purutçuoğlu, Descriptive Features of Divorce in Turkey
14.00-14.15	Hayrinisa Demirci Biçer, Two-Parameter Xgamma Distribution: Different Methods of Estimation
14.15-14.30	Hayrinisa Demirci Biçer, Discriminant Analysis: Log-normal Distribution

14.30-14.45	Issam Dawoud, Forecasting Bank Deposits Rate: Application of ARIMA and Moving Average Models
14.45-15.00	Goual Hafida, On Chi squared testing of the Weibull Pareto model And its Application on Arm-A head and neck cancer data
15.00-15.15	Coffee Break
15.15-17.30	Presentations(Probability and Statistics) Chair:Salma Charfi
15.15-15.30	Nacira Seddik-Ameur, On testing the new two parameters distribution with right censoring
15.30-15.45	Goual Hafida, On a modified goodness of fit test for validating the Weibull pareto model application to Bronchopulmonary dysplasia BPD data
15.45-16.00	Tamer Lazhar, A SMP for a Markov Regime Switching Jump-Diffusion Model with Infinite Horizon
16.00-16.15	Bouchentouf Amina Angelika, Multi-station manufacturing system analysis
16.15-16.30	Salma Charfi, Frame of exponentials related to analytic families operators and application to a non-self adjoint problem of radiation of a vibrating structure in a light fluid
16.15-16.30	Karima Kimouche, Parameters estimation of spatial bilinear processes in frequency domain
16.30-16.45	Meriem Mezerdi, Necessary and Sufficient Conditions for Optimality In Singular Control of Stochastic Differential Equations
16.45-17.00	Gherbal Boulakhras, Existence and optimality condition for a mixed relaxed-singular optimal controls for mean-field forward-backward stochastic differential equations
17.00-17.15	Rania Khallout, Financial model of risk-sensitive stochastic optimal control
17.15-17.30	Mohamed Amine Mezerdi, Some stability properties of Mc Kean-Vlasov stochastic differential equations

17.30-19.30	Conference Opening Ceremony
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ICOM 2019	
ORAL PRESENTATIONS SALOON E	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration
10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
13.00-15.00	Presentations(Mathematics in Other Areas) Chair:Milena Susic
13.00-13.15	Aliya Seitova, About Asymptotic Of Eigenvalues On Graph-Star
13.15-13.30	Ying-hen Hsieh, Modeling HIV Transmission with Two Interacting High-risk Groups
13.30-13.45	Milena Susic, The Varchenko determinant for oriented hyperplane arrangements
13.45-14.00	Bob Neveln, Parsing and Checking Mathematics Written in a Morse Language
14.00-14.15	Faridah Mohamed Ibrahim, Mobile Phone usage in teaching Calculus: Pre University Students' perspective
14.15-14.30	Tuğba Han Şimşekler Dizman, An application of vague sets in decision making problems
14.30-14.45	Veli Heveş, Some Applications of Linear Algebra to Sociology, Chemistry and Networks
14.30-14.45	Abdelkader Frakis, The numerical radius inequalities and its areal
14.45-15.00	Fellah Soumaya, Mathematical Models for sensor Deployment under Different Lifetime Objectives

15.00-15.15	Coffee Break
15.15-17.30	Presentations(Mathematics in Other Areas) Chair:Aicha Bouhezza
15.15-15.30	Evgeni Xhafaj, The use of partial least squares structural equation modeling approach for analysis of the dimensions of poverty, a case study of Albania
15.30-15.45	Daniela Halidini, Qendraj Super decisions for the influenza activity viruses using AHP and ANP methods
15.45-16.00	Robert Kosova, Performance Evaluation of University academic Staff in teaching, research, and service using MCDA method and AHP
16.00-16.15	Hassaini Katia, An algorithm for Solving quadratic programming problem with an M-matrix
16.15-16.30	Fellah Khadidja, Using Hilbert curve for Data collection in WSN with mobile Sink
16.15-16.30	Aicha Bouhezza, Numerical Investigation of Heat Transfer Enhancement in a Horizontal Duct for Laminar Nanofluid Flow
16.30-16.45	Aliaa Burqan, Generalizations of Singular Value Inequalities Related to Block Matrices
16.45-17.00	Rochdi Bachir Bouiadjra, Cuckoo search based fuzzy clustering with kernel distance for image segmentation
17.00-17.15	Hamidreza Golmohammadi, Some bounds on the Roman k-domination number in graphs
17.15-17.30	Ahmed Abbassi, Root extraction in the Orient Islamic between the 10th - 15th century.
17.30-19.30	Conference Opening Ceremony

ICOM 2019	
ORAL PRESENTATIONS/SALON F	
WEDNESDAY - 3 JULY 2019	
08.30-10.00	Registration

10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models
11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
	Presentations Chair:Chellali Cherifa
13.00-13.15	Chellali Cherifa, Class of $(A; n)$ -power-hyponormal operators in semi-hilbertian space
13.15-13.30	Dalal Lala Bouali, Extreme Theory Approach For Estimating New Conditional Tail Expectation
13.30-13.45	Firdaousse Ouallal, Coupled Lattice Boltzmann Method for viscoelastic Oldroyd-type fluids: the evolution of the elastic pressure
13.45-14.00	Boukerrioua Khaled, Integral Inequalities and Their Applications to Nonlinear Abstract Dynamic Equations on Time Scales
14.00-14.15	Rouibah Khaoula, Iterative Continuous Collocation Method for Solving Nonlinear Volterra Integral Equations
14.00-14.45	Yahi Zahra, Delta-systems (strong and weak) with partitions of an integer
14.15-14.30	Naima Keddar, Solutions for Nonhomogeneous Singular Elliptic Equations Involving Critical Caffarelli-Kohn-Nirenberg Exponent
14.30-14.45	Neggal Bilel, Convergence of the Regularized Sinc Collocation Method Applied to Fredholm Integral Equation
14.45-15.00	Abdelhafid Younsi, A Strong Lower Bound on Blowing-up Solutions of the 3d Navier–Stokes Equations in $H^{\{5/2\}}$
15.15-15.30	Tazeen Gul, Some Stability Criterion for the Solution of Conformable Fractional differential Systems

15.30-15.45	Nora Lounici Mosbah, Identification of risk factors by Daïra: Prospective analysis of data on 1607 accidents
15.45-16.00	Abderrezak Ghezal, Asymptotic analysis of frictional contact problem for a dynamic piezoelectric shallow shell
16.00-16.15	Mostefaoui Imene Meriem, Mathematical model for antibiotic resistant bacteria and immune cells
16.15-16.30	Mebarek-Oudina Fateh, Analysis of magneto-nano Williamson fluid flow produced by a stretching sheet of variable thickness
16.15-16.30	M'hamdi Mohammed Salah, Pseudo almost automorphic functions applied to a new recurrent neural networks model with several delays
16.30-16.45	Nabil Zougab, Additive bias correction technique for discrete associated kernel
16.45-17.00	Youcef Zohra, Comparing the results of some numerical methods for solving a differential equation
17.00-17.15	Safia Benmansour, On nonhomogeneous elliptic problems involving critical exponent and nonlocal operator
17.15-17.30	Houas Amrane, Non-Explosion Solutions for some diffusion of mechanics
17.15-17.30	Mohammed Mammeri, Symmetry-breaking bifurcation in k-generalized 2-D discrete chaotic map
17.30-17.45	Youness El Yazidi, A comparison of a gradient based method and the differential evolution for shape identification problem

ICOM 2019
ORAL PRESENTATIONS SALOON A
THURSDAY - 4 JULY 2019

08.30-09.00	Registration
09.00-10.30	Presentations(Probability and Statistics) Chair:Chouia Sana
09.00-09.15	Kenza Tamiti, Variance reduction in Monte Carlo simulation of M/G/1 retrial queuing system
09.15-09.30	Mezerdi Meriem, Existence of optimal relaxed controls for mean -field stochastic systems
09.30-09.45	Dahbia Hafayed, An Optimal Stochastic Control of Risk-Sensitive problem for Backward Doubly
09.45-10.00	Chouia Sana, A Modified Chi-squared Goodness-of-fit test for the AFT-Bertholon and its Applications
10.00-10.15	Chouia Sana, A Goodness-of-fit tests based on the empirical distribution function for the AFT-Bertholon model
10.15-10.30	Sofiane Ouazine, Uncertainty Quantification of the GI/M/1/N Queue with negative arrivals
10.30-10.40	Coffee Break
10.40-11.20	Invited Speaker/Thabet Abdeljawad, Fractional operators with generalized Mittag-Leffer kernels and their discrete counterpart
11.20-12.00	Invited Speaker/Ayman Badawi, Recent results on (n,m)-closed ideals and absorbing ideals of commutative rings
12.00-13.00	Lunch
13.00-15.00	Presentations(Applied Mathematics) Chair:Sergey Boriseneok
13.00-13.15	Plamen Koev, The Densities and Distributions of the Largest Eigenvalue a Beta-Wishart Matrix
13.15-13.30	Chafika Amel Aitemrar, h-Fourier integral operators with complex phase
13.30-13.45	Rachid Boukoucha, Invariant algebraic curve and limit cycles of a class of planar differential systems
13.45-14.00	Sergey Borisenok, Dynamical Quantum Gates as a Tool for Topological Data Analysis
14.00-14.15	Sinan Bařaran, Mathieu Equation Stability Analysis

	of a Repulsive Magnetic Bearing Flywheel System
14.15-14.30	Monireh Nosrati Sahlan, B-Spline wavelets for solving Troesch problem
14.30-14.45	Kyriakos Charalambous, Lie Group Classification for a class of variable coefficient KdV-Burgers equations
14.45-15.00	Christodoulos Sophocleous, The significance of equivalence transformations in the problems of Lie group classifications
15.00-15.15	Coffee Break
15.15-15.45	Invited Speaker/Nabil Mlaiki, A special case of p-groups
15.45-16.00	Coffee Break
16.00-18.00	Presentations(Applied Mathematics) Chair:Majid Erfanian
16.00-16.15	Aisha Alqahtani, Numerical Simulation to Study the Pattern Formation of Reaction-diffusion Brusselator Model Arising in Triple Collision and Enzymatic
16.15-16.30	Majid Erfanian, Using of finite element method for solving weakly singular Volterra integral equations
16.30-16.45	Hojjat Emami, A new bio-inspired optimization algorithm for data clustering
16.45-17.00	Mohammed Mechee, Generalized Runge-Kutta Integrators for Solving Special Sixth-Order Ordinary Differential Equations with Applications
17.00-17.15	Mehmet Yavuz, A Reliable Treatment of Homotopy Method for Time-Fractional Differential Equations
17.15-17.30	Monireh Nosrati Sahlan, Fractional Scaling Functions for Solving Fractional Pantograph Equation
17.30-17.45	Laaziri Bouchra, Regularized Maximum A Posteriori Method for Image Deconvolution with Regularization Parameter Estimation
17.45-18.00	Mojtaba Bakherad, More accurate numerical Radius inequalities

18.00-22.30	Bosphorus Tour(Moving from Conference Venue)
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ICOM 2019	
ORAL PRESENTATIONS SALOON B	
THURSDAY - 4 JULY 2019	
08.30-09.00	Registration
09.00-10.30	Presentations(Analysis) Chair:Pembe İpek Al
09.00-09.15	İbrahim Şanlıbaba, Bazı Ultra Normlu Uzaylar
09.15-09.30	Pembe İpek Al, Compact Inverses of First Order Normal Differential Operators with Lorentz-Schatten Properties
09.30-09.45	Pembe İpek Al, On the Spectrum of Dissipative Singular Differential Operators of First Order
09.45-10.00	Öznur Özkan Kılıç, On the Coefficients of some Close-to-convex Functions
10.00-10.15	Rukiye Öztürk Mert, Dissipative Singular Differential Operators of First Order
10.15-10.30	Rukiye Öztürk Mert, On the Spectral Radius and Operator Norm of Finite Upper Triangular Block Operator Matrices
10.30-10.40	Coffee Break
10.40-11.20	Invited Speaker/Thabet Abdeljawad, Fractional operators with generalized Mittag-Leffer kernels and their discrete counterpart
11.20-12.00	Invited Speaker/Ayman Badawi, Recent results on (n,m)-closed ideals and absorbing ideals of commutative rings
12.00-13.00	Lunch
13.00-15.00	Presentations(Applied Mathematics) Chair:Achouri Zineb
13.00-13.15	Achouri Zineb, Well-posedness and Exponential

	Stability for a Wave Equation with Delay Condition
13.15-13.30	Atika Matallah, Positive solutions of elliptic Kirchhoff equations involving critical Sobolev exponents
13.30-13.45	Hassouna Houda, Segmentation based on Gray Level Co-occurrence Matrix Local Descriptors for Brain Tumors Detection
13.45-14.00	Ines Walha, Spectral properties of some unbounded operators matrices with applications
14.00-14.15	Ali Deliceoğlu, Flow topology around the re-entrant corner in an L-shaped cavity
14.15-14.30	Muhammed Syam, The simplified Hirota's method for investigating the fractional extended Sawada-Kotera equation
14.30-14.45	Hojjat Emami, Improving Election Algorithm for numerical function optimization
14.45-15.00	Ali Akgül, A New Technique for Solving Linear and Nonlinear Third Order Fractional Differential Equations
15.00-15.15	Coffee Break
15.15-15.45	Invited Speaker/Nabil Mlaiki, A special case of p-groups
15.45-16.00	Coffee Break
16.00-18.00	Presentations(Analysis) Chair:Serap Özcan
16.00-16.15	Aidana Kasbakbayeva, Stable perturbations of boundary value problems for differential equations
16.15-16.30	Gulmira Vassilina, On Construction of the Comparison Function of Program Manifold of the Stochastic Differential Equations
16.30-16.45	Kheireddine Biroud, Existence of Positive Solutions to a Fractional Parabolic Problem with Singular Weight at the Boundary
16.45-17.00	Serap Özcan, New Inequalities of Hermite-Hadamard Type for Differentiable s-Preinvex Functions

17.00-17.15	Serap Özcan, Some New Hermite-Hadamard Type Inequalities for Differentiable s -Preinvex Functions
17.15-17.30	Zhanat Dzhobulaeva, On linearized Florin type problem for the system of parabolic equations
17.30-17.45	Nazife Erkuşun Özcan, Unbounded Pseudonorm Convergence on Vector Lattices
17.45-18.00	Nazife Erkuşun Özcan, p -Martingales on Lattice Normed Vector Lattices
18.00-22.30	Bosphorus Tour(Moving from Conference Venue)

ICOM 2019	
ORAL PRESENTATIONS SALOON C	
THURSDAY - 4 JULY 2019	
08.30-09.00	Registration
09.00-10.30	Presentations(Analysis) Chair:Abdullah Aydın
09.00-09.15	Abdullah Aydın, Banach Lattice f -Algebras
09.15-09.30	Hojjat Afshari, Concave operators via fractional differential equations
09.30-09.45	Hojjat Afshari, A topological property of the common fixed points set of Multi-functions in b-metric spaces
09.45-10.00	Nihed Trabelsi, Singular Limit Solutions for A 2-Dimensional Semilinear Elliptic System of Liouville Type
10.00-10.15	Kheireddine Biroud, Nonlocal elliptic problems with singular weight at the boundary
10.15-10.30	Kyung Soo Kim, Convergence of double acting iterative scheme for a family of generalized varphi-weak contraction mappings in CAT(0) spaces
10.30-10.40	Coffee Break
10.40-11.20	Invited Speaker/Thabet Abdeljawad, Fractional operators with generalized Mittag-Leffer kernels and their discrete counterpart

11.20-12.00	Invited Speaker/Ayman Badawi, Recent results on (n,m)-closed ideals and absorbing ideals of commutative rings
12.00-13.00	Lunch
13.00-15.00	Presentations(Analysis) Chair:Abdullah Aydın
13.00-13.15	Abdullah Aydın, The Topology on Banach lattice f-algebras
13.15-13.30	Brahim Tellab, Critical Exponents of Fujuta Type for Nonlinear Fractional Differential Equation
13.30-13.45	Brahim Tellab, Critical Exponents and Blow-up of Solution for a Semilinear Fractional Differential Equation
13.45-14.00	Bilel Krichen, Weak demicompactness involving measures of weak noncompactness and invariance of the essential spectrum
14.00-14.15	Djamila Seba, Measure of Noncompactness and Differential Inclusions with Hadamard Fractional derivative
14.15-14.30	Djamila Seba, On Fractional Differential Equations with Integro-Differential Boundary Conditions
14.30-14.45	Krzysztof Cieplinski, A Fixed Point Theorem and Ulam Stability
14.45-15.00	Imed Abid, Bifurcation Problem for a Class of Quasilinear Fractional Schrodinger Equations
15.00-15.15	Coffee Break
15.15-15.45	Invited Speaker/Nabil Mlaiki, A special case of p-groups
15.45-16.00	Coffee Break
16.00-18.00	Presentations(Analysis) Chair:Messaoud Maoni
16.00-16.15	Messaoud Maoni, Solving A Nonlinear Parabolic Problem with Data in L1
16.15-16.30	Rezaigui Ali, Existence Of Soloutions for Second-Order Differential Inclusion with boundary conditions

16.30-16.45	Benaoumeur Bayour, Existence of solution to a local fractional nonlinear differential equation
16.45-17.00	Laoubi Karima, Polynomial decay rate for the dissipative wave equation with mixed boundary conditions
17.00-17.15	Abdelaziz Belaada, On positive multiple summing operators
17.15-17.30	Hamzaoui Yamina, Existence of solutions to Neumann problem involving multiple critical exponents
17.15-17.30	Façal Abdmouleh, B-Essential and B-Weyl Spectra of Sum of Two Commuting Bounded Operators
17.30-17.45	Sana Hadj Amor, Krasnoselskii fixed point theorems involving new class of convex-power condensing multivalued mappings and application to integral inclusion
17.30-17.45	Firdhousi Begam, QTAG-Modules Isomorphic to their Fully Invariant Submodules
17.45-18.00	Nasrin Eghbali, A Generalization stability of fractional differential equations and Lane-Emden equation
18.00-22.30	Bosphorus Tour(Moving from Conference Venue)

ICOM 2019	
ORAL PRESENTATIONS SALOON D	
THURSDAY - 4 JULY 2019	
08.30-09.00	Registration
09.00-10.30	Presentations(Topology) Chair:Nihal Taş
09.00-09.15	Ufuk Çelik, A New Study on the Discontinuity at Fixed Point
09.15-09.30	Nihal Yılmaz Özgür, New Solutions to the Rhoades' Open Problem and the Fixed-Circle Problem

09.30-09.45	Nihal Taş, A New Approach to the Geometry of Fixed Points of Self-Mappings
09.45-10.00	Nihal Taş, A New Version of the Pasting Lemma on a Fuzzy Soft Topological Space
10.00-10.15	Nazan Polat, Soft Group Homomorphisms
10.15-10.30	Nazan Polat, Soft Topological Group Homomorphisms
10.30-10.40	Coffee Break
10.40-11.20	Invited Speaker/Thabet Abdeljawad, Fractional operators with generalized Mittag-Leffer kernels and their discrete counterpart
11.20-12.00	Invited Speaker/Ayman Badawi, Recent results on (n,m) -closed ideals and absorbing ideals of commutative rings
12.00-13.00	Lunch
13.00-15.00	Presentations(Analysis) Chair:Oktay Muhtarov
13.00-13.15	Majdi Mansouri, Data-Driven and Model-based Statistical Fault Detection
13.15-13.30	Merve Yücel, Solution of initial value transmission problem by the Adomian decomposition method
13.30-13.45	Merve Yücel, Solution of third-order boundary-value-transmission problems by differential transform method
13.45-14.00	Kadriye Aydemir, Parseval and carleman equalities for Sturm-Liouville problems under jump conditions
14.00-14.15	Kadriye Aydemir, The resolvent operator for two-interval Sturm-Liouville problems with eigenparameter depending transmission conditions
14.15-14.30	Hayati Olğar, The Spectrum of New Type Boundary Value Problems
14.30-14.45	Hayati Olğar, The Rayleigh Principle for Transmission Problems
14.45-15.00	Abdelhai Elazzouzi, Global Stability Analysis for a Generalized Delayed SIR Model with Vaccination

	and Treatment
15.00-15.15	Coffee Break
15.15-15.45	Invited Speaker/Nabil Mlaiki, A special case of p-groups
15.45-16.00	Coffee Break
16.00-18.00	Presentations(Algebra, Number Theory...) Chair:Altan Erdoğan
16.00-16.15	Altan Erdoğan, The Second Order q-Haar Distribution
16.15-16.30	Ramil Nasibullin, Hardy type Inequalities with remainders
16.30-16.45	Funda Taşdemir, On Some Characterizations of Prime N-groups
16.45-17.00	Zehra Velioglu, Parafree Metabelian Nilpotent Lie algebras
17.00-17.15	Nazia Parveen, Identity Concerning Generalized Derivation on Lie Ideals of Prime Ring
17.15-17.30	Marshal Sampson, Rank of Semigroups: Generating Sets and Independent Sets
17.30-17.45	Ahmad Yousefian Darani, A generalization of Armendariz modules
17.45-18.00	Nader Karimi, On a generalized Gaussian radial basis function: analysis and applications
18.00-22.30	Bosphorus Tour(Moving from Conference Venue)

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09.00-10.00	Registration
10.00-10.20	Chairman Welcome's Speech
10.20-11.00	Invited Speaker/Zakia Hammouch, New reliable numerical schemes and applications to chaotic models

11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
Poster Area 1	
13.00-13.15	Fatima Zohra Zeghibib, Domain decomposition method for an image processing problem by the non linear partial differential equation
13.15-13.30	Massoun Youssouf, The homotopy analysis method for nonlinear differential equation
13.30-13.45	Nassima Ramdane, Kinetics and equilibrium of metals ions adsorption onto chemically modified apple peel cellulose biosorbents
13.45-14.00	Chisom Mark David, Use of Geometric Transformations in Solving Euclidean Geometry Problems with Dynamic Geometry Software Application
14.00-14.15	Aiman Mukheimer, Extended Partial Sb –Metric Spaces
14.15-14.30	Laidi Maamar, Application of mathematical fractional calculus in modeling of apple slices drying in thin layer
14.30-14.45	Nesrine Ammouchi, Photo degradation of Methylene Blue in Aqueous Media Versus Regression Analysis
14.45-15.00	Lallouche Abdallah, Dynamics and valuation of some Derivatives by tree methods under principle of risk-neutral pricing
15.00-15.15	Coffee Break
15.15-15.30	Nassima Ramdane, Kinetics and equilibrium of metals ions adsorption onto chemically modified apple peel cellulose biosorbents
15.30-15.45	Belksier Manel, Multidimensional fractional Brownian motion and stochastic differential equations for eigenvalues of (G, ε) -Wishart process
15.45-16.00	Boukerrioua Khaled, On Some Nonlinear Integral Inequalities and Their Applications to the Study of

	Stability Problems Perturbed Dynamic Systems
16.00-16.15	Boukemara Ibtissem, Regular Dynamics Of Two Dimensional Piecewise Map
16.15-16.30	Kilani Brahim, On Some New Gamidov Integral Inequalities and Their Applications
16.30-16.45	Bey Kamel, A simple mathematical approach for the determination of the optimal insulation thickness of cryogenic tanks
16.45-17.00	Mecheter Rabah, Anisotropic parabolic problem in R^N with variable exponent and locally integrable data
17.00-17.15	Diaf Ahmed, Polygonal method for second-derivative
17.30-19.30	Conference Opening Ceremony

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11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
Poster Area 2	
13.00-13.15	Laouar Lakhdar, Simulation and prediction of the cicatrization rate of a low carbon billet during continuous steel casting
13.15-13.30	Lemmoui Abdennacer, Application of the Postulate of A. Achenbach for Determining the Optimum

	Height of the Cupola with Coke and a Row of Nozzles
13.30-13.45	Karras Meselem, Mean value of an arithmetic function associated with the Piltz divisor function
13.45-14.00	Nour elhouda Berguella, Synchronization of chaotic system using generalized active control
14.00-14.15	Laoubi Karima, Fractional Optimal Control Problem for Differential System with mixed boundary conditions
14.15-14.30	Mekhilef Slimane, Modeling and Diagnosis of rolling defects by vibratory signals
14.30-14.45	Nawel Mourah, On The Positive Solutions For a BV Problem Of Nonlinear FDE
14.45-15.00	Maryam Alshehri, Particle density and particle hole duality in continuum in The CAR algebra
15.00-15.15	Coffee Break
15.15-15.30	Zibouche Ouassila, Non Local and Non Regular Boundary Value Problem for Quadratic Ordinary Differential Pencil
15.30-15.45	Sabrina Matallah, Statistical Modeling of Contact Wear Polluted Elasto-hydrodynamics
15.45-16.00	Bouali Tahar, Existence of positive solutions for a new class of quasilinear singular elliptic systems involving Caffarelli--Kohn--Nirenberg exponent with sign-changing weight functions
16.00-16.15	Guefaifia Rafik, Existence of positive weak solutions for a new class of Kirchhoff elliptic systems with multiple parameters
16.15-16.30	Kaden Bapaev, On the strong stability of difference-dynamic systems with parametric perturbations
16.30-16.45	Bagila Toleuova, Stability of Difference Dynamic Systems According to Lagrange
16.45-17.00	Selma Attabi, Optimization of the burnishing treatment parameters for AISI 316L steel by response surface method
17.00-17.15	Naima Meskine, Local Bifurcation of One

	Parameter Analysis in the Greitzer compression system
17.30-19.30	Conference Opening Ceremony

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11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
Poster Area 3	
13.00-13.15	Yuet Ling Linda Kwan, Assessment of Low Achievers in Solving 'Guessing Game' Combine Problems
13.15-13.30	Hellal Abdelaziz, Existence and Uniqueness of Solutions for Nonlinear Parabolic Problem involving Variable Exponents and Irregular data
13.30-13.45	Fajar Adi-Kusumo, Mathematical Modeling of Breast Cancer in Early Stage Based On the Cell Cycle and Cell Regulations
13.45-14.00	Zebalah Amina, New exponential probability inequalities and complete convergence for weighted sequences of WOD random variables with application to recursive estimator
14.00-14.15	Ferouani Abdel Karim, Numerical modelling of contribution of the reduced electric field on the conversion of nitrogen oxides

14.15-14.30	Achouri Zineb, Existence and Asymptotic Behavior of an Evolution Problem with a Nonlocal Term
14.30-14.45	Djilani Chahrazed, Synthesis, characterization and application of ZnO nanocomposite supported on activated carbon for photocatalytic degradation of methylene blue
14.45-15.00	Bouasla Abdelaziz, Mathematical Equations for Equal- Channel Angular Pressing process
15.00-15.15	Coffee Break
15.15-15.30	Djilani Chahrazed, Modeling of adsorption isotherms and kinetics of Methylene blue dye from aqueous solution by activated carbon prepared from waste animal bones
15.30-15.45	Abdulmohsen Alruwaili, Numerical Approximation to the Stationary Solutions in Yip's Formulation of the Regularized Ericksen's Bar Model
15.45-16.00	Chadli Assia, Bayesian estimation of the Rayleigh distribution under different loss function
16.00-16.15	Karima Kimouche, Bayesian estimation of a spectrum of a nonstationary spatial AR processes
16.15-16.30	Bey Meryem, Bifurcation of limit cycles from quartic isochronous systems
16.30-16.45	Samad Ahdiaghdam, A Survey on Hyper-Singular Integral Equations
16.45-17.00	Benchabi Rahima, Effect of CuO-water nanofluid on the thermal - hydraulic behavior of triangular corrugated channel
17.00-17.15	Lanani Ahsene, Correlations between the Nusselt and the Rayleigh numbers in natural convection
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11.00-11.40	Invited Speaker/Ekrem Savaş, On Almost Sequence Spaces defined by infinite matrix
11.40-13.00	Lunch
Poster Area 4	
13.00-13.15	Osman Osmanaj, The derivative of trigonometric inverse functions
13.15-13.30	Mécheri Halima, Shwarz method for the ergodic control problems
13.30-13.45	Hamrelaine Salima, Study of nanofluid flow between two inclined porous plates
13.45-14.00	Djenette Mendjel, Numerical Calculation of the Mechanical Behaviour of a Bridge by Two structural analysis Software
14.00-14.15	Sihem Gherieb, Analytical Solution of Falkner Skan Equation with Heat and Mass Transfer
14.15-14.30	Rehab Bekkouche Souhila, Digital Determination of Landslide Problems
14.30-14.45	Amel Rahmoun, Lyapunov-Schmidt Method for Bifurcation Analysis of an HIV-1 within Host Model
14.45-15.00	Nassima Berrouis, Necessary and sufficient conditions of optimality for linear FBDSDEs of mean field type
15.00-15.15	Coffee Break
15.15-15.30	Badredine Boudjema, PMSM optimal design parameters by using inverse problem Badreddine Boudjema Numerical approaches by finite volumes of a model and its renewal
15.30-15.45	Aidi Khaoula, tests for generalized exponential AFT distributions with censored data

15.45-16.00	Aidi Khaoula, On testing the fit of the exponentiated Kumaraswamy generalized exponential distribution with right censoring
16.00-16.15	Mokas Nacer, Wear of Cutting Edge Principle is' it the Lifetime Criterion of the Helicoidal Drill in HSS?
16.15-16.30	Bey Kamel, A simple mathematical approach for the determination of the optimal insulation thickness of cryogenic tanks
16.30-16.45	Hamadache Hamid, Prediction Model of Tensile Properties of Ball -Burnished S355JR Steel
16.45-17.00	Dib Amar, Analytical solution of magneto-hydrodynamic of Jeffery Hamel flow
17.00-17.15	Bey Kamel, Analytical method for calculating the mechanical properties of a laminated fiberglass and epoxy resin composite material
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11.40-13.00	Lunch
Poster Area 5	
13.00-13.15	Bouafia Dahmane, Existence of solutions for a perturbed second order problem on the half-Line via Ekeland variational principle

13.15-13.30	Idriss El Mourabit, A combined BTV term with a based tensor second order PDE for image super-resolution
13.30-13.45	Neggal Bilel, Regularized Wavelet-Galerkin method for Fredholm Integral Equations of the First Kind
13.45-14.00	Abdelhafid Younsi, A criterion for uniqueness of weak Solutions to the 3D Navier-Stokes equations
14.00-14.15	Ahlem Djebbar, Around Multivariate Credibility: Properties of the Covariance Matrix
14.15-14.30	Houalef Meriem, Queueing model with working vacation and impatient customers
14.30-14.45	Nabila Bellal, An existence result via penalty method for some nonlinear parabolic unilateral problems
14.45-15.00	Kabir Abdenour, Determination of the Solar Cells internal parameters using the Two Diodes Model
15.00-15.15	Coffee Break
15.15-15.30	Mojtaba Bakherad, More accurate numerical Radius inequalities
15.30-15.45	Naouel Belkhir, Estimation of the Risk Function under Right Random Censoring with Modified Kernels. Numerical Studies and Example
15.45-16.00	Hamza Aicha, Estimation of conditional hazard function in the single functional index model under random censorship
16.00-16.15	Hafidha Sebbagh, Multiplicity of positive solutions for a class of quasilinear boundary value problems
16.15-16.30	Kada Kloucha Meryem, The exponential bounds and the a.s. convergence of the BLP predictor of a $C[0;1]$ -valued autoregressive process
16.30-16.45	Mohamed Zaaf, Comparison between two strip rolling models
16.45-17.00	Rehab Bekkouche Souhila, Mathematical Simulation of Residual deformations in High-Density Polyethylene Tubes
17.00-17.15	Kouche Mahiédine, Mathematical Analysis of an

	HIV Infection Model Including Quiescent Cells and Periodic Antiviral Therapy
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11.40-13.00	Lunch
Poster Area 6	
13.00-13.15	Kermoune Sara, Bayesian estimation of the Exponential-Pareto distribution under the squared error loss function
13.15-13.30	Mohamed Houas, Existence results for a coupled system of nonlinear fractional differential equations with two fractional orders
13.30-13.45	Medjahri Latifa, Study of Feedback Queuing models with Reneged, and Balked customers
13.45-14.00	Sara Stihi, Stochastic Differential Equations for Random Matrices Processes in the nonlinear framework
14.00-14.15	Nasri Nassima, Efficient formulations for a fourth order obstacle problem

14.15-14.30	Yasmina Djabali, Strong Stability of the Embedded Markov Chain in an M/PH/1 Queue
14.30-14.45	Kada Kloucha Meryem, The BLP predictor of an H-valued Functional Autoregressive Process
14.45-15.00	Nehari Mohamed, Existence of Solution for the problem in the Times Scales.
15.00-15.15	Coffee Break
15.15-15.30	Khaled Boudjellal, Experimental Study Based Regression Analysis Model
15.30-15.45	Samia Aouici, Quadratic regression model used for Study of geometrical features in laser claddings
15.45-16.00	ElHadi Boussaha, Numerical study and characterization of a corrosion inhibitor based of plant in NaCl solution
16.00-16.15	Dahbia Hafayed, A Risk-Sensitive Stochastic Maximum Principle for Backward with Jump Diffusion Type
16.15-16.30	Belhamra Thara, On Geometrical Approach of Chain Ladder Method: Properties and Application
16.30-16.45	Bouabaz Mohamed, A Mathematical Model Based on Fuzzy Logic for Predicting Projects Cost
16.45-17.00	Khenniche Ghania, Thermal simulation of the steel solidification during continuous casting
17.00-17.15	Mohammed Mammeri, On dynamics of Lotka–Volterra prey–predator planar map
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11.40-13.00	Lunch
Poster Area 7	
13.00-13.15	Malika Boughandjiou, Estimation of Diseases: A Case Study Based Statistical Analysis
13.15-13.30	Menaceur Amor, On the Limit Cycles of a Class of Polynomial Differential Systems via Averaging Theory
13.30-13.45	Mohamed Bouabaz, A hybrid Model based Artificial Intelligence to Assessing Construction Cost
13.45-14.00	Toualbia Mohamed Saleh, Nonlinear boundary feedback stabilization for Schrödinger equations
14.00-14.15	Ben Gherbal Hanane, The stochastic maximum principle in optimal regular-singular control of mean field type diffusions
14.15-14.30	Hassouna Houda, Comparative study between Histogram Local Binary Pattern and Histogram Local Phase Quantization for Brain Tumors Detection
14.30-14.45	Menaceur Amor, On the Limit Cycles of a Class of Polynomial Differential Systems via Averaging Theory
14.45-15.00	Laidi Maamar, Fractional calculus based method for Chemical kinetics modelling of the release of active pharmaceutical ingredients
15.00-15.15	Coffee Break
15.15-15.30	Hamaidi Brahim, Mathematical Model for the Detection of the Defects of the State of Isolation of Electrical Networks in Mining Companies
15.30-15.45	Hamaidi Brahim, Mathematical method of risk analysis and performance stuof safety barriers of an industrial process

15.45-16.00	Rezzoug Imad, Weakly sentinels for distributed systems
16.00-16.15	Mebarek Abdelmalek, Plastic Deformation and Nonstoichiometry in Rutile TiO ₂
16.15-16.30	Online Presentation /Güzide Şenel, A New Class of Soft Topological Space via (1,2)*- Soft b-open Set
16.30-16.45	Online Presentation /Güzide Şenel, A Study On Some New Soft Sets In Soft Bitopological Spaces
17.30-19.30	Conference Opening Ceremony