



4TH INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS



December 21-22, 2018

Program of Conference

Sr. No.	Time	Speakers and Topics	
December 21, 2018			
1	08:00-09:00	Registration	
2	09:00-10:00	Opening Ceremony	
3	10:00-10:30	Refreshment	
First Technical Session: Chair by Dr. Erhan Set			
4	10:30-11:10	Key Note Speaker: Dr. Lyoubomira Softova From Dido to Morrey: Variational Problems and Regularity Theory!	
5	11:10-11:30	Dr. Atiq Ur Rehman Generalized convex function and associated Petrovi's inequality	
6	11:30-11:50	Dr. Farhad Ali On the applications of hybrid Nanofluid in cementitious materials: A fractional model	
7	11:50-12:10	Dr. Abdul Majeed Building 3D surface from 2D curves with an application of craniofacial fracture reconstruction	
8	12:10-12:30	Dr. Ghulam Farid Some fractional inequalities and their applications	
9	12:30-12:50	Dr. Aziz Ullah Awan Electro-osmotic flow of a second grade fluid with slip boundary condition	
10	12:50-01:10	Dr. Talat Nazir Fractals of Generalized Hutchinson Operators and Iterated Function Systems with Applications	
11	01:10-02:10	Prayer & Lunch	
Second Technical Session: Chair by Dr. Lyoubomira Softova			
12	02:10-02:50	Key Note Speaker: Dr. Nabeel Ezzulddin Arif Topological Indices of Certain Edge-Gluing Graphs with Some Applications	
		Hall-A	Hall-B (Chair by Dr. Khuram Ali Khan)
13	02:50-03:10	Dr. Muhammad Samraiz Opial-type inequalities on fractional calculus	Ms. Tanzeela Kanwal Fixed and coupled fixed point results for in F-metric space via admissible mappings
14	03:10-03:30	Ms. Javaria Farooq Slip effects on MHD blood flow through a constricted artery filled with porous medium of variable permeability	Mr. Tasaduq Niaz Refinement of Jensen's inequality and estimation of f and Renyi divergence via Montgomery inequality
15	03:30-03:50	Refreshment	
Third Technical Session: Chair by Dr. Nabeel Ezzulddin Arif			
16	03:50-04:30	Key Note Speaker: Prof. Dr. Mujahid Abbas TBA	
		Hall-A	Hall-B (Chair by Dr. Muhammad Ashraf)
17	04:30-04:50	Dr. Salma Shaheen Connections between HV-S-act, GHS-act and S-act	Ms. Uzma Ahmad Natural convection flow driven along a curved surface in the presence of exothermic catalytic chemical reaction
18	04:50-05:10	Mr. Muhammad Imran Some properties for extended beta and extended hypergeometric k-functions	Mr. Muhammad Omer Generalized family of interpolating subdivision schemes for curves/ surfaces based on newton interpolating polynomials and its error analysis



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December 22, 2018				
First Technical Session: Chair by Dr. Marjan Praljak				
Key Note Speaker: Dr. Erhan Set				
A survey on convexity, Hermite-Hadamard type inequalities and fractional integral operators				
		Hall-A	Hall-B (Chair by Dr. Nudrat Aamir)	Hall-C (Chair by Dr. M. Adil Khan)
1	09:00-09:40			
2	09:40-10:00	Dr. Ghous Ur Rehman Aspects of Henstock Kurzweil Integral and Its applications	Mr. Afzal Rahman An improved efficient local model for image segmentation	Mr. Rana Safdar Ali A combinatorial result about sequential computation of function
3	10:00-10:20	Dr. Muhammad Sarwar Fixed point results via measure of non-compactness and its application in locally convex spaces	Ms. Siddra Habib TBA	Ms. Hafsa Ijaz Analytical solution of couette flow of Oldroyd-B fluid
4	10:20-10:40	Dr. Ahmed Zeeshan Dynamics of bubble in fluid	Mr. Adrees Ahmad Dynamical analysis of Chaotic finance system	Mr. Imtiaz Wasim Numerical Solution of generalized Newell Whitehead Segel equation via exponential B-spline collocation method
5	10:40-11:00	Dr. Zahid Akhtar Common Fixed Point Theorem for Uniformly Non-commuting Mappings in A Non-Starshaped Metric Domain	Mr. Nauman Khalid Approximate solution of non-linear third order Korteweg-de Vries (KdV) equation	Ms. Shiza Fatima Some Results of Generalized Fractional Integral Operator
6	11:00-11:20	Refreshment		
Second Technical Session: Chair by Dr. Muhammad Abbas				
Key Note Speaker: Dr. Marjan Praljak				
Positivity of weighted averages of higher order convex functions				
		Hall-A	Hall-B (Chair by Dr. M. Sarwar)	Hall-C (Chair by Dr. M. Aslam)
7	11:20-12:00			
8	12:00-12:20	Dr. Ammara Nosheen Dynamic inequalities involving alpha diamond integrals	Dr. Umber Sheikh Gravitational collapse of a string cloud in the rainbow gravity	Mr. Zaheer-ud-Din Meshless Levin's differential quadrature for two-dimensional oscillatory Fredholm integral equation

9	12:20-12:40	Dr. Gohar Ali The least eigenvalue of the complements of trees	Ms. Sumera Kanwal MHD properties of an electromagnetic meta-material	Mr. Liaqat Ali On Multipliers of MA-semirings
10	12:40-01:00	Dr. Muhammad Adil Khan Majorization theorems for strongly convex functions	Ms. Sadia Sattar Consequences of cosmological constant on gravitational collapse of a fluid of strings	Mr. Yaqoub Ahmed Khan On Lie Semirings and derivations in Semirings
11	01:00-01:20	Dr. Nudrat Aamir Multi Step Methods for Solution of Unconstrained Nonlinear Optimization Problems	Mr. Aamir Shahzad A computational approach to estimate the optimal subdivision depth of ternary subdivision schemes	Mr. Navid Rafique Energy momentum prescriptions of Ruban spacetime
12	01:20-02:20	Prayer + Lunch		
		Third Technical Session: Chair by Dr. Lyoubomira Softova		
13	02:20-02:50	Key Note Speaker: Dr. Xiaomin Qi Support vector machine and generalized support vector machine for data classification		
		Hall-A	Hall-B (Chair by Dr. Talat Nazir)	Hall-C (Chair by Dr. Imran Anwar)
14	02:50-03:10	Dr. Zia Bashir Convergence of intuitionistic fuzzy sets and its topologies	Mr. M. Salim Ullah Quintic trigonometric Bezier like curve modeling with two shape parameters	Mr. Noman Jabbar Heat and mass transfer due to non-coaxial rotation of disk and casson fluid at infinity
15	03:10-03:30	Dr. Danish Ali Compatible almost complex structures on twistor spaces and their Gray-Hervella classes	Mr. Mutahir Ali Second order approximate Noether symmetries of geodetic Lagrangian of plane symmetric spacetimes	Mr. Huzaifa Ch. Reduction of systems of two nonlinear parabolic type partial differential equations to solvable forms using differential invariants
16	03:30-03:50	Dr. Sadia Sattar Exact solution of spherically symmetric Lemaitre-Tolman-Bondi(LTB) spacetime in the context of $f(R, T)$ gravity	Mr. Nadeem Abbas Numerical study of micropolar nanofluid flow with magnetic hydrodynamic past a circular cylinder	Mr. Atiqe Ur Rahman Establishment of generalized Ostrowski type inequality through generalized Montgomery identity for double integrals on time scales
17	03:50-04:10	Dr. Shahid Hussain Arshad Frequency analysis of bi-layered thick FGM cylindrical shells	Ms. Maria Gulzar An extension of Caputo k -fractional derivative operator and its applications	Ms. Hina Shaheen Role of tilted congruence and $f(R)$ gravity on the spherical symmetric geometry
18	04:10-04:30	Mr. Muhammad Amin On solving generalized Klein-Gordon equation using a new cubic B-spline approximation technique	Mr. Attaullah Numerical investigation of a dynamic model for HIV infection	Ms. Aneeqa Aslam Multivariate dynamic sneak out inequalities on time scale
19	04:30-04:50	Mr. Arshad Muhammad Establishment of General Trapezoid inequality on double integral using Jensen inequality and integration technique	Ms. Maliha Rasheed Fixed Point Theorems for Generalized Mappings in Quasi-Pseudo Metric Spaces	Mr. Muhammad Ahsan Haar wavelets multi-resolution collocation analysis for inverse cauchy problems
20	04:50-05:10	Closing Ceremony + Refreshment		