



1st International Conference on Recent Advances in Mathematics (CORAM-2020)

Vision of Research & Applications

15-16 October, 2020

Department of Mathematics, **Div. of Science & Technology**,
University of Education, Lahore

CONFERENCE PROGRAM

Keynote Speakers

10+

United State of America

Japan

China

Malaysia

India

Turkey

Italy

Spain

Portugal

Czech Republic

Participants

800+

Invited Speakers

20+

Presenters

20+



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Conference Program

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Day 1 (October 15, 2020)			
Plenary Session I (09:00 AM– 01:10 PM)			
Time	Speakers	Titles	Session Chair
08:50– 09:00 AM	Guest to be online		
09:01– 09:05 AM	Recitation from the Holy Quran		
09:06– 09:10 AM	Introduction of CORAM-2020	Dr. Abdul Majeed Conference Secretary	Dr. Muhammad Azam
09:11– 09:15 AM	Welcome Note by Director, Div. of Science and Technology	Prof. Dr. Muhammad Alam Saeed University of Education, Lahore, Pakistan.	
09:15– 09:45 AM	Prof. Dr. Tasawwar Hayyat (Chief Guest) Inaugural Address Quaid-i-Azam University, Islamabad	Mathematics and its Utilization	
09:45-10:30 AM	Prof. Dr. Loring W. Tu	Some Recent Advances in Tensors	
10:31– 11:00 AM	Prof. Dr. Carla M.A Pinto	Mathematical Modelling of Cancer Cells' Growth	
11:01– 11:30 AM	Prof. Dr. Carlo Cattani	Wavelet Based Fractional Operators	
11:31 –12:00 PM	Prof. Dr. Kenjiro T. Miura	Log-aesthetic Curves ad Surfaces Based on Similarity Geometry	
12:01 – 12:30 PM	Prof. Dr. Luis Vazquez	A Panoramic View of the Fractional Calculus. Applications	
12:30 - 01:00 PM	Dr. Zainor Ridzuan Yahya	Curve Reconstruction using Soft Computing Techniques	
01:01 - 01:10 PM	Concluding Session		



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Day 1 (October 15, 2020)			
Plenary Session II (02:00 PM – 04:50 PM)			
Time	Speakers	Titles	Session Chair
01:50– 02:00 PM	Guest to be online		
02:01 - 02:25 PM	Prof. Dr. R.U. Gobithaasan	A Gentle Introduction to Topological Data Analysis	Dr. Mobeen Munir
02:26 - 02:50 PM	Dr. Katta Ramesh	Mathematical Modelling and Analysis on the Flow of Sutter by Nano fluids altered by Electro osmosis	
02:51 - 03:15 PM	Dr. Ghulam Abbas	Complexity Factor For Anisotropic Source in Non-minimal Coupling Metric $f(R)$ Gravity	
03:16 -03:45 PM	Dr. M. M. Bhatti	Study of Nonlinear Head-on Collision between Hydroelastic Solitary Waves by Means of PLK Method	
03:46 –04:10 PM	Dr. Muhammad Zubair	Evolution of Collisional Matter in Modified Teleparallel Theories	
04:11 – 04:40 PM	Dr. Muhammad Imran	Multiple Slip Effects on Bio-Convective Radiative Flow of Nanoparticles over a Porous Rotating Disk	
04:40 - 04:50 PM	Concluding Session		



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Day 1 (October 15, 2020)			
Parallel Session I (02:00 PM – 04:50 PM)			
Time	Speakers	Titles	Session Chair
01:50– 02:00 PM	Guest to be online		
02:01 - 02:25 PM	Dr. Arooj Adeel	New Decision-Making Methods Based on Fuzzy N-Soft Sets	Dr. Muhammad Athar
02:26 - 02:50 PM	Dr. Zafarullah	On θ -Derivations with Left Multiplier n Lattices	
02:51 - 03:15 PM	Dr. Fatih	Reproducing Kernel Hilbert Space	
03:16 -03:45 PM	Dr. Muhammad Arfan Ali	On the Shelter of a Poset and its Algebraic Applications	
03:46 –04:10 PM	Dr. Rabia Saleem	Confronting the Warm Vector inflation in Rastall Theory of Gravity with Planck 2018 Data	
04:11 – 04:40 PM	Dr. Imtiaz Tariq	Fuzzy Commutative Algebra	
04:40– 04:50 PM	Concluding Session		



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Day 2 (October 16, 2020)			
Plenary Session I (10:00 AM – 12:40 PM)			
Time	Speakers	Titles	Session Chair
09:50– 10:00 AM	Guest to be online		
10:00 - 10:25 AM	Dr. Md Yushalify Bin Misro	Traffic Simulation using Agent Based Modelling	Prof. Dr. Aziz ur Rehman
10:26 – 10:50 AM	Dr. Sarfaraz Ahmad		
10:51 - 11:15 AM	Dr. Muhammad Abbas	Geometric Modelling of novel Generalized Hybrid Trigonometric Bezier-like curve with Shape Parameters and its Applications	
11:16 - 11:40 AM	Dr. Zeeshan Yousaf	Complexity of Dissipative Fluids	
11:41 - 12:05 PM	Dr. Zaeem ul Haq	Dynamical Instability Analysis of Self-Gravitating Objects	
12:06 – 12:30 PM	Dr. Ahmad Zeeshan	Analysis of Thermal Radiation in Betwixt Rotating Circular Plates on Swimming of Gyrotactic Microorganism	
12:31 – 12:40 PM	Concluding Session		
12:41 - 01:50 PM	Lunch + Friday Prayer Break		



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Parallel Session I (10:00 AM – 01:05 PM)			
Time	Speakers	Titles	Session Chair
09:50– 10:00 AM	Guest to be online		
10:00 - 10:25 AM	Dr. Muhammad Mubashir Bhatti	Study of nonlinear head-on collision between Hydroelastic solitary waves by means of PLK method	Dr. Arshad Riaz
10:26 – 10:50 AM	Dr. Saleem Abdullah	Fuzzy decision support System through Generalised fuzzy Numbers	
10:51 - 11:15 AM	Dr. Rubab Manzoor	Dynamics of Collapsing Filaments	
11:16 - 11:40 AM	Dr. Nadeem Iqbal	A Novel Image Cipher Using Theory of Chaos	
11:41 - 12:05 PM	Mr. Abid Hussain	Effect of Multi-wall Carbon Nanotubes on the flow of Micropolar Nano fluid over a Stretching Sheet	
12:06 – 12:30 PM	Dr. Muhammad Farman	A Control of Glucose Level in insulin Therapies for Artificial Pancreas and Role of Fractional Calculus	
12:31 – 12:55 PM	Mr. Nauman Amin	An Introduction to Tropical Geometry	
12:56 - 01:05 PM	Concluding Session		



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Time	Speakers	Titles	Session Chair
01:50–02:00 PM	Guest to be online		
02:00 - 02:40 PM	Prof. Dr. Ma Hongbin	Learning from Adaptive Control to Adaptive Game	Dr. Abdul Majeed
02:41 - 03:20 PM	Prof. Dr. Hong Van Lee	Algebraic models of G_2 and Spin (7)-manifolds	
03:21 - 04:00 PM	Prof. Dr. Dumitru Balenau	Modern Fractional Calculus Models and Their Validations	
04:00 - 04:05 PM	Concluding Remarks	Dr. Muhammad Azam (Conference Chair)	
04:06 - 04:15 PM	Address by Honorable Chief Guest	Prof. Dr. Fazal Ahmad Khaid (S.I) Chairman Punjab Higher Education Commission	
04:16 - 04:25 PM	Address by Honorable VC	Prof. Dr. Talat Naseer Pasha (S.I)	