CONFERENCE ON FUNCTIONAL ANALYSIS AND FRACTALS (CFAF-2024)
(FEBRUARY 16-18, 2024)

PROGRAM SCHEDULE

Day1: February 16, 2024 (Friday)

INAUGURAL SESSION	
8:45– 8:50	Welcome note by Dr. Abdullah Bin Abu Baker
8:50– 09:00	Address by Chief Guest, Prof. Mukul Sharad Sutaone, Hon'ble Director, IIIT Allahabad
09:00– 09:05	Address by Dr. Pramod Kumar, HoD, Department of Applied Sciences

MORNING SESSION		
Session I: Keynote Talk		
Chair Person: Dr. Abdullah Bin Abu Baker		
Time	**Speaker**	**Title**
09:05 – 10:00	Prof. Jaydeb Sarkar, ISI Bangalore	Commutant lifting theorem on the polydisc
Session II: Plenary Talks		
Chair Person: Dr. Seema Kushwaha		
10:05 - 10:50	Prof. Tushar Das, University of Wisconsin-La Crosse, USA	On the mensuration of conformal fractals
10:55 - 11:40	Prof. G Ramesh, IIT Hyderabad	On a subclass of norm attaining operators
Session III: Invited Talks		
Chair Person: Dr. Rahul Maurya		
11:45 - 12:15	Dr. Ya-Shu Wang, National Chung Hsing Univeristy, Taiwan	Linear maps preserving parallel matrices and triangle equality attaining pairs

12:20 - 12:50	Dr. Javid Ali, Aligarh Muslim Univeristy	Approximation of fixed points, stability and data dependence results
12:55 - 13:25	Prof. Antonio Jimenez Vargas, University of Almeria, Spain	Compactness of Bloch maps

AFTERNOON SESSION		
Session I: Plenary/Invited Talks **Chair Person: Dr. Savitri Joshi**		
15:00 - 15:30	Dr. C. R. Jayanarayanan, IIT Palakkad	Ball proximity of M-ideals of compact operators
15:35 - 16:20	Prof. Lars Olsen, University of St. Andrews, UK	Prime counting formulas for Graph-Directed Self-Conformal Iterated Function Systems
16:25 - 16:55	Dr. Sourav Pal, IIT Bombay	Distinguished varieties in the polydisc and dilation of commuting contractions
Session II: Contributory Talks		
17:00 - 19:00	Parallel Session I (6-7 talks, each 20 minutes)	Parallel Session II (6-7 talks, each 20 minutes)

EVENING SESSION		
Plenary Talk **Chair Person: Dr. Sangita Jha**		
Time	**Speaker**	**Title**
19:30 – 20:15	Prof. Peter Massopust, Technical University of Munich, Germany	Integral Read-Bajractarevic Operators

Day2: February 17, 2024 (Saturday)

EVENING SESSION		
Keynote Talk **Chair Person: Dr. Saurabh Verma**		
Time	**Speaker**	**Title**
19:30 – 20:30	Prof. Roger D. Nussbaum, Rutgers University, USA	Complex Continued Fractions and the Symmetric Hausdorff Dimension Spectrum
MORNING SESSION		
Session I: Plenary Talks **Chair Person: Dr. Abdullah Bin Abu Baker**		
09:00 - 09:45	Prof. Ngai-Ching Wong, National Sun Yat-sen University, Taiwan	To determine a von Neumann algebra through its positive unit sphere
09:50 - 10:35	Prof. J. K. Prajapat, Central University of Rajasthan	TBA
10:40 - 11:25	Prof. Tanmoy Som, IIT (BHU)	Some Extensions of the Banach Contraction Principle and Few Applications
Session II: Invited Talks **Chair Person: Dr. Anand Kumar Tiwari**		
11:30 - 12:00	Dr. Debmalya Sain, IIIT Raichur	A norming property of subspaces of a Banach space
12:05 - 12:35	Dr. Sunil Kumar, NIT Jamshedpur	Basic Information on Mathematical and Epidemiological Modelling
AFTERNOON SESSION		
Session I: Plenary Talks **Chair Person: Dr. Subhash Chandra**		
14:15 - 15:00	Prof. Jonathan Fraser, University of St. Andrews, UK	Kleinian group actions and parabolic rational maps

15:05 - 15:50	Prof. Tapobrata Lahiri, IIIT Allahabad	TBA
Session II: Invited Talk **Chair Person: Dr. Swapnil Verma**		
15:55 - 16:25	Dr. Sudhakar Chaudhary, IITRAM	Symmetric fractional order reduction method with L1 scheme on graded mesh for time fractional nonlocal diffusion-wave equation of Kirchhoff type
16:30 - 17:00	Dr. Arup Chattopadhyay, IIT Guwahati	High-order spectral Shift measures in several variables
Session III: Contributory Talks		
17:00 - 19:00	Parallel Session I (6-7 talks, each 20 minutes)	Parallel Session II (6-7 talks, each 20 minutes)

Day3: February 18, 2024 (Sunday)

MORNING SESSION		
Session I: Plenary Talks		
Chair Person: Dr. Saurabh Verma		
09:00 - 09:45	Prof. Yongshun Liang, Nanjing University of Science & Technology, China	Research on fractal dimensions of the graph of continuous functions under operations
09:50 - 10:35	Prof. Syed Abbas, IIT Mandi	Introduction of Fractional Calculus with application
10:40 - 11:25	Prof. Amit Priyadarshi, IIT Delhi	A note on the distance sets for graphs of functions
Session II: Invited Talks		
Chair Person: Dr. Subhash Chandra		
11:30 - 12:00	Dr. Nisar Ahmad Lone, JK Institute of Mathematical Sciences	An interplay between integrability and convergence in Banach spaces
12:05 - 12:35	Dr. Rattan Lal, Punjab Engineering College	Characterization of amenability in terms of properties of the Orlicz Figa-Talamanca Herz algebras
12:40 - 13:10	Dr. Rahul Maurya, IIT Kanpur	Automorphisms and generalized projections on spaces of analytic functions
AFTERNOON SESSION		
Session I: Plenary Talks		
Chair Person: Dr. Sneha Garg		
15:00 - 15:45	Prof. D. R. Sahu, Banaras Hindu University	On unification of three extragradient methods via the property (A) for variational inequality problems with applications
15:50 - 16:35	Prof. Dijana Ilisevic, University of Zagreb, Croatia	Surjective isometries of C*-algebras and their spectra

16:40 - 17:10	Dr. Tanmoy Paul, IIT Hyderabad	On Hahn-Banach theorem in Banach spaces
Session II: Contributory Talks		
17:15 - 19:15	Parallel Session I (6-7 talks, each 20 minutes)	Parallel Session II (6-7 talks, each 20 minutes)