



**5th International Conference
on
Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021)
(December 02-04, 2021)**

Organized by

**Department of Mathematics
Jaypee Institute of Information Technology
A-10, Sector-62, Noida, U.P., India-201309
(In Online Mode)**

Conference Program

December 02, 2021

Google meet link: meet.google.com/pnc-jhuz-gvm

- 09:15-10:00** Inauguration and Welcome Note
- 10:00-11:00** Keynote lecture by Prof. Jichun Li, University of Nevada Las Vegas, USA
Title: *Finite Element Analysis and Simulation of Surface Wave Propagation in Graphen*
- 11:00-11:15** Tea/Coffee Break
- 11:15-12:15** Keynote lecture by Prof. Kalyan Chakraborty, Kerala School of Mathematics, Kerala, India
Title: *Sturm-type Bound for Square-Free Coefficients of Hilbert Modular Forms*
- 12:15-13:15** Keynote lecture by Prof. M. Thamban Nair, Indian Institute of Technology Madras, Chennai, India
Title: *On Regularization for an Inverse Problem in a Parabolic PDE*
- 13:15-14:10** Lunch
- 14:10-14:55** Plenary talk by Prof. Antar Bandyopadhyay, Indian Statistical Institute, Delhi, India
Title: *Random Recursive Tree, Branching Markov Chains and Urn Models*
- 15:00- 17:30** Paper Presentations

Parallel Sessions

15:00-16:00	Track A: Calculus, Algebra, Analysis and Approximations <i>Google meet link: meet.google.com/jrg-ftb-sjg</i>	Track B: Mathematical Modelling and Simulation <i>Google meet link: meet.google.com/kam-egjg-zsp</i>
16:00-16:15	Tea Break	
16:15-17:30	Paper presentations continued...	

December 03, 2021

Google meet link: meet.google.com/pnc-jhuz-gvm

- 09:30-10:15 Plenary talk by Prof. Mohammad Sajid, Qassim University, Saudi Arabia
Title: *Fractals, Chaos and Dynamical Systems*
- 10:15-11:00 Plenary talk by Prof. C. S. Lalitha, Delhi University, Delhi, India
Title: *Variational Inequalities and Some Formulations*
- 11:00-11:15 Tea/Coffee Break
- 11:15-12:00 Plenary talk by Prof. Kapil Kumar Sharma, South Asian University, Delhi, India
Title: *Singularly Perturbed Problems: Issues and Challenges*
- 12:00- 13:00 Keynote lecture by Prof. Janusz Matkowski, University of Zielona Góra, Institute of Mathematics, Poland
Title: *Remarks on a Fixed-point Theorem for Nonexpansive Mappings and its Applications*
- 13:00-13:45 Lunch
- 13:45-14:45 Keynote lecture by Prof. Maithili Sharan, Indian Institute of Technology, Delhi, India
Title: *Motions and Scales in Atmospheric flows*
- 14:45-15:30 Plenary talk by Prof. Riddhi Shah, Jawaharlal Nehru University Delhi, India
Title: *Dynamics of Actions of Automorphisms of Locally Compact Groups G on Sub_G*
- 15:30-15:45 Tea Break
- 15:45-17:30 Paper Presentations

Paper Presentations		
15:45-17:30	Track C: <i>Continuum Mechanics, Differential Equation & Numerical Analysis</i> <i>Google meet link: meet.google.com/yws-zask-zek</i>	Track D: <i>Soft Computing, Fuzzy, Image Processing & Operational Research</i> <i>Google meet link: meet.google.com/wyc-ntnw-gpe</i>

December 04, 2021

Google meet link: meet.google.com/pnc-jhuz-gvm

- 09:30-10:15 Keynote lecture by Prof. R. C. Mittal, IIIT Noida, India
Title: *Generation of Some Fractals*
- 10:15-11:00 Plenary talk by Dr. Prasanna R. Mishra, Scientific Analysis Group (SAG), DRDO, Delhi, India
Title: *How Quantum Computing Affects Cryptology?*

11:00-11:15 Tea/Coffee Break

11:15-12:15 Keynote lecture by Prof. Mohd. Mursaleen, Aligarh Muslim University, Aligarh, India

Title: *Compactness of Matrix Operators Between Sequence Spaces and Applications*

12:15-13:30 Paper Presentations

Paper Presentations

12:15-13:30	Track E: <i>Miscellaneous</i> <i>Google meet link: meet.google.com/jqn-meoo-rpq</i>	Track E: <i>Miscellaneous</i> <i>Google meet link: meet.google.com/rnc-grpd-bon</i>
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13:30-14:15 Lunch

14:15-15:15 Paper Presentations continued of Track E

15:15-15:30 Tea/Coffee Break

15:30-16:15 Valedictory Function (meet.google.com/qpb-qcec-qag)

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