

ICNDA 2024 SCHEDULE OF PHYSICAL MODE [Venue:1 (Seminar Room)]

*Indian Standard Time
**Venue & Session

SL. No	Time [*IST]	Paper ID	Paper Title	Name of Presenter	**V&S	Day
Chair Person: Dr. Vignesh Dhakshinamoorthy, Department of Mathematics, CMR University, India.						
1	14:00-14:10	042	The perturbed potential Kadomtsev-Pervashvili equation: Bilinear form, multi shock, kinky-breather, resonant SYS-type shock solutions.	Subrata Roy	V1 & S1	DAY
2	14:10-14:20	047	Strong Landau Damping of electron plasma waves and vortical analysis of the formed electron holes	Allen Lobo		
3	14:20-14:30	118	Hydrodynamic Dispersion of Volatile Contaminant in an Open Channel Flow Using a Fitted Operator Approach	Shahul Hameed		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. Rishi Raj Kairi, Department of Mathematics, Cooch Behar Panchanan Barma University, India.						
4	16:45-16:55	148	Mixing of a solute in a micropolar blood flow model through a capillary tube with an absorptive wall.	Sohel Ahmed	V1 & S2	DAY
5	16:55-17:05	052	Implicit numerical schemes based on the lower incomplete gamma function for solving a class of nonlinear fractional-ordinary differential equation problems arising from a stochastic process.	Tahajuddin Sk		
6	17:05-17:15	299	Analyzing Crude Oil Price Fluctuations: A Fractal Perspective.	Kavitha C		
7	17:15-17:25	068	Asymptotic Analysis of a Class of Singularly Perturbed Nonlinear Electromechanical Dynamic Models.	Galina Kurina		
8	17:25-17:35	218	Periodic structures, multistability, and Wada basin boundaries in a predator-prey model with additional food for predators.	Sarbari Karmakar		
9	17:35-17:45	298	Modelling transdermal drug delivery and its binding in tissue using microneedles	Tamoy Bhumali		
10	17:45-17:55	117	Fractal Structures in some Non-linear Partial Differential Equations	Saugata Dutta		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. Rustam Ali, Department of Mathematics, Sikkim Manipal Institute of Technology, India						
11	10:15-10:25	372	A Nonmonotone Conditional Gradient Method for Multiobjective Optimization Problems	Ashutosh Upadhayay	V1 & S3	DAY
12	10:25-10:35	284	Bifurcation of ion-acoustic waves in Venus' upper ionosphere.	Kusum Chettri		
13	10:35-10:45	302	Generation of lump solitons structures in complex plasma media with superthermal electrons.	Uday Narayan Ghosh		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. Sharanjeet Dhawani, Department of Mathematics, CCS Haryana Agricultural University, India.						
14	12:15-12:25	106	Combination Therapy for Chronic Hepatitis B Using Capsid Recycling Inhibitor.	Rupchand Sutradhar	V1 & S4	DAY
15	12:25-12:35	108	Role of diffusivity of lactate on its accumulation in tumor necrotic core.	Gopinath Sadhu		
16	12:35-12:45	338	Parameters optimization of a hydraulically interconnected suspension in a stretcher using Genetic Algorithm.	Kannan P		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. Soumen Kundu, Department of Mathematics (SAS), VIT, India.						
17	14:00-14:10	062	Bilinear forms, N-soliton solution for Extended Fifth-order Korteweg-de Vries (eKdV), Breather.	Saksham Gupta	V1 & S5	DAY
18	14:10-14:20	215	Dynamics in the parameter planes of a tri-trophic food chain model with immigration and emigration.	Ruma Kumbhakar		
19	14:20-14:30	220	Complex dynamical behaviors of a discrete-time eco-epidemiological system in parametric planes.	Shilpa Garai		
20	14:30-14:40	300	Propagation of two-soliton in a compressible hyperelastic rod.	Yogesh Chettri		
21	14:40-14:50	056	Local Nonsimilarity Solution for Nonlinear Convection of Casson Fluid Flow with Nonuniform Heat Source/Sink.	Raju Sen		
22	14:50-15:00	074	Thermo-Solutal Marangoni Convection in Maxwell Nanofluid Flow Through Darcy-Forchheimer Porous Medium.	Debabrata Das		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. A. Gowrisankar, Vellore Institute of Technology, India						
23	16:45-16:55	332	KBM approach to the study of dust acoustic solitary waves in an electron-positron plasma with viscous dust.	Shatadru Chaudhuri	V1 & S6	DAY
24	16:55-17:05	232	Nonlinear Evolutionary Stages of a Dispersive Kappa Distributed Magnetized Plasma.	Swarniv Chandra		
25	17:05-17:15	124	Study of upper hybrid waves instability in collisional magneto Gallium Antimonide (GaSb) semiconducting plasma system.	K Sharma		
26	17:15-17:25	264	Effect of vacancy defect on the free vibration of some noncarbon nanomaterials: A molecular static study.	B. M. Ravi Raj		
27	17:25-17:35	261	Spin-orbit coupled rotating spin-1 Bose-Einstein condensates under the influence of external magnetic field.	Arpana Saboo		
28	17:35-17:45	203	Theoretical Investigation to Analyze the Effect of Core Size of InAs/GaAs Core Shell Nanostructure.	Khushan Sharma		
29	17:45-17:55	265	UV-visible, FTIR and Electrochemical Properties of rGO and ZnO/rGO Nanocomposite Produced via Green Synthesis Process.	Suveksha Tamang		
30	17:55-18:05	144	Computational Analysis of Sn-Doped hBN for Detection of Lung Cancer-Related VOCs.	Prasanna Karki		
31	18:05-18:15	217	Dissipative Force on an External Quark in AdS Gauss-Bonnet Gravity with String Cloud.	Rishi Pokhrel		
32	18:15-18:25	326	An adaptable single-server encouraged arrival, balking, and symmetric stochastic Markovian queueing system with threshold policy.	R. Jeyachandhiran		
Total time for Q&A for this session: 15 minutes						
Chair Person: Dr. Rishi Raj Kairi, Cooch Behar Panchanan Barma University, India						
33	11:15-11:25	322	Efficacy of a Markovian queueing system with differentiated dual vacation, encouraged arrival, balking and feedback.	Ismaikhhan E. khan	V1 & S7	DAY
34	11:25-11:35	327	Optimizing Performance Measures in a Finite Markovian Heterogeneous Queueing Model.	S. Immaculate		
35	11:35-11:45	337	Physics Informed Neural Network for solution of Duffing oscillators.	Naveen Raj Rajamani		
36	11:45-11:55	234	Photonic Crystal Fiber As A Nonlinear Optical Coupler.	A. Mahalingam		
37	11:55-12:05	111	On maximal μ -open set, minimal μ -closed set and mean μ -open set.	Bishal Bhandari		
38	12:05-12:15	092	On Graphs Attaining Upper Bound of k-Rainbow Total Domination Number.	Puran Dangal		
Total time for Q&A for this session: 15 minutes						