

ICNDA 2024 SCHEDULE OF ONLINE MODE

[Link 1](#)[Link 2](#)[Link 3](#)

Day I (21-02-2024)

Time [IST]	Programme			
10:00-11:00	Inaugural Session [Link 1]			
11:00-11:30	High Tea, Venue: Amphitheater			
11:30-12:30	Keynote Talk: "Nonlinear Dynamics of Coupled Spin Torque Nano Oscillators" Speaker: Prof. M. Lakshmanan, Professor of Eminence and DST-SERB National Science Chair, Bharathidasan University, India. Chair Person: Dr. Santo Banerjee, Department of Mathematical Sciences, Politecnico di Torino, Italy. [Link 1]			
12:30-13:00 [Online]	Invited Talk: "Acoustic solitary and shock waves around the super-critical values in unmagnetized plasmas" Speaker: Dr. Md. Golam Hafez, Professor of Mathematics, Chittagong University of Engineering and Technology, Bangladesh Chair Person: Dr. Asit Saha, Sikkim Manipal Institute of Technology, India. [Link 2]			
13:00-14:00	Lunch Break			
Paper Presentation [14:00-14:45] [10× 03]	Channel 1 Session 1 [Link 2]	Chair Person: Dr. Avijit Panja, Sikkim Manipal Institute of Technology, India Paper ID 076, 143, 276	Channel 2 Session 1 [Link 3]	Chair Person: Prof. Pankaj Chettri, Sikkim Manipal Institute of Technology, India Paper ID 020, 014, 032, 352, 003
14:45-15:30 [Online]	Keynote Talk: "Hamiltonian dynamics and neutral delay equations in laser systems" Speaker: Prof. Antonio Politi, School of Natural and Computing Sciences, University of Aberdeen, UK. Chair Person: Prof. Lamberto Rondoni, Department of Mathematical Sciences, Politecnico di Torino, Italy. [Link 1]			
15:30-16:00 [Online]	Invited Talk: "AI Applications In Climate Change Data Analytics" Speaker: Dr. Devanjan Bhattacharya, The Bayes Centre, University of Edinburgh, United Kingdom Chair Person: Prof. Kajal Kumar Mondal, Cooch Behar Panchanan Barma University, India [Link 2]			
16:00-16:15	Tea Break			
16:15-16:45 [Online]	Invited Talk: "Non-equilibrium phase transitions in 3D billiards with a Maxwell demon" Speaker: Dr. Matteo Colangeli, Department of Information Engineering, Computer Science and Mathematics, University of L'Aquila, Italy. Chair Person: Prof. Kajal Kumar Mondal, Cooch Behar Panchanan Barma University, India [Link 2]			
Paper Presentation [16:45-18:00] [10× 07]	Channel 1 Session 2 [Link 2]	Chair Person: Dr. Moumi Pandit, Sikkim Manipal Institute of Technology, India Paper ID 212, 230, 262, 096, 194, 340, 341	Channel 2 Session 2 [Link 3]	Chair Person: Dr. Nahid Fatima, Prince Sultan University (PSU), Saudi Arabia Paper ID 024, 036, 067, 084, 090, 115, 149
19:00-20:30	Cultural Programme, Venue: Amphitheater [Link 1]			

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Link 1	Link 2	Link 3
Day II (22-02-2024)		
Time [IST]	Programme	
9:00-09:45	Keynote Talk: "Finite size quantum multibarrier systems vs. boundary driven Zero Range models" Speaker: Prof. Lamberto Rondoni, Department of Mathematical Sciences, Politecnico di Torino, Italy. Chair Person: Prof. M. Lakshmanan, Professor of Eminence and DST-SERB National Science Chair, Bharathidasan University, India. [Link 1]	
09:45-10:15 [Online]	Invited Talk: "Acoustic Modes Inside White Dwarfs" Speaker: Dr. Pralay Kumar Karmakar, Department of Physics, Tezpur University, India. Chair Person: Dr. Asit Saha, Sikkim Manipal Institute of Technology, India. [Link 2]	
Paper Presentation [10:15-11:00] [10× 03]	Channel 1 Session 3 [Link 2] Paper ID	Chair Person: Dr. Avijit Panja, Sikkim Manipal Institute of Technology, India 021, 019, 043
Paper ID	021, 019, 043	Channel 2 Session 3 [Link 3] Paper ID
11:00-11:15	Tea Break	
11:15-11:45 [Online]	Invited Talk: "Harmonizing Chaos: Unveiling the Power of Chaotic System Synchronization in the IoT Age" Speaker: Dr. Nur Aisyah Abdul Fataf, Cyber Security and Digital Industrial Revolution Centre, National Defence University of Malaysia (NDUM), Malaysia. Chair Person: Dr. M Sivabalan, Sri Ramakrishna Mission Vidyalyaya College of Arts and Science, India. [Link 2]	
11:45-12:15	Invited Talk: "Role of mathematics and computer modelling on cardiovascular intervention" Speaker: Prof. Prashanta Kumar Mandal, Department of Mathematics, Visva-Bharati, India. Chair Person: Prof. N. S. Saini, Department of Physics, Guru Nanak Dev University, India. [Link 1]	
Paper Presentation [12:15-13:00] [10× 03]	Channel 1 Session 4 [Link 2] Paper ID	Chair Person: Dr. Rustam Ali, Sikkim Manipal Institute of Technology, India 073, 063, 075, 320, 160
Paper ID	073, 063, 075, 320, 160	Channel 2 Session 4 [Link 3] Paper ID
13:00-14:00	Lunch Break, Venue: Marena	
Paper Presentation [14:00-15:15] [10× 06]	Channel 1 Session 5 [Link 2] Paper ID	Chair Person: Dr. Samarendra Nath Sur, Sikkim Manipal Institute of Technology, India 001, 029, 030, 031, 050, 192, 167, 154
Paper ID	001, 029, 030, 031, 050, 192, 167, 154	Channel 2 Session 5 [Link 3] Paper ID
15:15-16:00 [Online]	Keynote Talk: "Fractional Dynamics and Applications" Speaker: Prof. Juan J. Nieto, Mathematical Analysis and Optimization of the University of Santiago de Compostela, Spain Chair Person: Dr. Vignesh Dhakshinamoorthy, Department of Mathematics, CMR University, India. [Link 1]	
16:00-16:15	Tea Break	
16:15-16:45 [Online]	Invited Talk: "House prices power law distribution across cities" Speaker: Dr. Luca Sebastiano D'acci, Inter university Department of Regional and Urban Studies and Planning, Politecnico di Torino, Italy Chair Person: Dr. Nahid Fatima, Prince Sultan University (PSU), Saudi Arabia [Link 2]	
16:45-17:15 [Online]	Invited Talk: "Quantum and chaotic dynamical systems for multimedia cybersecurity" Speaker: Dr. Ahmed A. Abd El-Latif, Department of Computer Science, Menoufia university, Egypt Chair Person: Dr. Nahid Fatima, Prince Sultan University (PSU), Saudi Arabia [Link 2]	
Paper Presentation [17:15-19:00] [10× 10]	Channel 1 Session 6 [Link 2] Paper ID	Chair Person: Dr. Md. Golam Hafez, Chittagong University of Engineering and Technology, Bangladesh 015, 023, 038, 044, 055, 089, 162, 273, 281, 285
Paper ID	015, 023, 038, 044, 055, 089, 162, 273, 281, 285	Channel 2 Session 6 [Link 3] Paper ID
20:00-21:30	Gala Dinner, Venue: Marena	

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Day III (23-02-2024)

	Keynote Talk: "Detecting dynamical transitions in observational time series data"			
9:00-9:45 [Online]	Speaker: Prof. Michael Small, Mathematics and Statistics, The University of Western Australia, Australia Chair Person: Prof. Lamberto Rondoni, Department of Mathematical Sciences, Politecnico di Torino, Italy. [Link 1]			
9:45-10:30	Keynote Talk: "Solutions of Nonlinear Partial Differential Equations and applications" Speaker: Prof. Prasanta Chatterjee, Department of Mathematics, Visva Bharati University, India. Chair Person: Prof. Lamberto Rondoni, Department of Mathematical Sciences, Politecnico di Torino, Italy. [Link 1]			
10:30-11:00	Invited Talk: "Heat transfer optimization using machine learning" Speaker: Dr. R. Sivaraj, Department of Mathematics, Dr. B R Ambedkar National Institute of Technology, India. Chair Person: Dr. Sharanajeet Dhawan, Department of Mathematics, CCS Haryana Agricultural University, India. [Link 1]			
11:00-11:15	Tea Break			
Paper Presentation [11:15-12:30] [10× 06]	Channel 1 Session 7 [Link 2]	Chair Person: Dr. Md. Golam Hafez, Chittagong University of Engineering and Technology, Bangladesh.	Channel 2 Session 7 [Link 3]	Chair Person: Dr. Uday Narayan Ghosh, Munger University, India [Link 3]
	Paper ID	205, 348, 349, 088, 153, 331, 233, 241, 236, 252	Paper ID	007, 009, 018, 041, 097, 138, 033
12:30-13:00	Invited Talk: "Stability Assessment of interpersonal relationship among Indian urban dyads (couples) : System Theory Approach" Speaker: Dr. Rajeeb Dey, Department of Electrical Engineering, National Institute of Technology Silchar, India Chair Person: Dr. Sharanajeet Dhawan, Department of Mathematics, CCS Haryana Agricultural University, India. [Link 1]			
13:00-15:00	Lunch Break, Venue: Marena			
15:00-17:00	Valedictory Session			