

PROGRAMME SCHEDULE



S.No.	Symposium Coordinator	Topic	Speaker	Chair
23.11.2020 AN (5 PM - 8 PM) : Session A: Symposium 1 : Non-Linear Analysis				
1	Prof. V. Vetrivel Department of Mathematics IIT Madras, Chennai Tamil Nadu, India	Subgradient Method and Iteration Complexity in Convex Optimization	Prof. Joydeep Dutta Department of Economics, IIT Kanpur Uttar Pradesh, India	Prof. V. Vetrivel Department of Mathematics IIT Madras, Chennai Tamil Nadu, India
		On linear complementarity problems	Dr.R. Balaji Department of Mathematics, IIT Madras, Chennai Tamil Nadu, India	
		Convergence of iterates for Lupas q-analogue of the Bernstein operator using fixed point theorem	Dr.Asrifa Sultana Department of Mathematics, IIT Bhilai, India	
		Paper Presentations : 102, 103		
23.11.2020 AN (5 PM- 8 PM): Session B: Symposium 2: Light emitting materials and their applications				
2	Dr. S. Masilla Moses Kennedy & Dr.M. Jayachandiran Post Doctoral Fellow Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India	Correlation between Optically stimulated luminescence and thermally stimulated luminescence of neodymium oxide	Prof. K.R. Nagabhushana Visiting Professor Federal University of Sao Paulo, Brazil	Dr. Thayal Singh Elias Professor and Head Division of Radiation Physics Regional Cancer Centre Trivandrum, Kerala State, India
		A decision making problem in soft fuzzy environment : Energy efficient Light Emitting Diode bulbs	Dr. Felbin C. Kennedy et.al Department of Mathematics, Stella Maris College, Chennai, Tamil Nadu, India	
		Luminescent materials and solid state lighting	Prof. V. Natarajan Rtd. Scientist BARC, Mumbai & Honorary Professor, Neelkanthrao Shinde College of Science and Arts, Badrawati, Maharashtra, India	Prof. K.R. Nagabhushana Visiting Professor Federal University of Sao Paulo, Brazil
		The properties and role of phosphate and silicate phosphors in solid state lighting	Dr. S. Masilla Moses Kennedy Associate Professor, Department of Physics, SSN College of Engineering, Tamil Nadu, India	
		Paper Presentations : 41, 43, 44		
23.11.2020 AN (5 PM - 8 PM) : Session C: Paper Presentation for Prof. R.S. Varma Best Paper Award				
3	Conference Submissions	Paper Presentations : 9, 11, 12, 19, 20, 25, 28, 34, 40, 45, 46, 52		Prof. Deepa Sinha Head, Department of Mathematics, South Asian University, New Delhi, India

24.11.2020 FN (9:15 AM-11:15 AM): Session E: Symposium 3: Mathematical Modeling & Numerical Simulation

4	Dr. G. Venkiteswaran BITS, Pilani, India	On the Problem of Pricing a Double Barrier Option in a Modified Black-Scholes Environment	Prof. S. Udayabaskaran Dept. of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India	Dr. M. J. Shankar Raman Senior Project Advisor – PS Centre for Digital Security Hardware Architecture, IIT Madras, Chennai, Tamil Nadu, India
		Dynamical Systems in Disease understanding	Dr. Uma S Ranjan Senior member technical staff, Dept. of Computational and Data science, IISc Bangalore, Karnataka, India	
		Modeling High Speed Computer Networks	Dr. M. J. Shankar Raman Senior Project Advisor – PS Centre for Digital Security Hardware Architecture, IIT Madras, Chennai, Tamil Nadu, India	Prof. S. Udayabaskaran Dept. of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India
		Staggered Update Procedure (SUP) based Higher Order Finite Volume Method	Prof. N. Balakrishnan Professor, Department of Aerospace Engineering, IISc, Bangalore, Karnataka, India	
		Paper Presentations :179, 180		

24.11.2020 FN (11:20 AM-01:20 PM) : Session F: Special Session 1: Modeling of Collective Phenomena

5	Dr. M. Danny Raj DST-Inspire Faculty Department of Chemical Engineering IISC, Bengaluru, Karnataka, India	Collective phenomena in complex systems	Dr. M. Danny Raj DST-Inspire Faculty, Department of Chemical Engineering, IISC, Bengaluru, Karnataka, India	Dr. M. Danny Raj DST-Inspire Faculty Department of Chemical Engineering IISC, Bengaluru, Karnataka, India
		Ordered dynamics in active matter	Dr. Raghunath Chelakkot Department of Physics, IIT-Bombay, Mumbai, Maharashtra, India	
		Noise induced schooling in fish	Dr. Jitesh Jhavar University of Konstanz, Germany	
		Understanding spatio-temporal variations in pollution parameters through hyper local monitoring and agent-based modelling	Prof. Raghunathan Rengaswamy Department of Chemical Engineering, IIT Madras, Chennai, Tamil Nadu, India	

24.11.2020 FN (10 AM-01:00 PM) : Session G: Special Session 2: Physics - Invited Talks

6	Dr. Belina Xavier Head, Department of Physics Stella Maris College Chennai, Tamil Nadu, India	Quantum coherence trade-off relations and their experimental verification	Dr. R. Chandrashekar Ecole d'Ingenieurs du monde, Numerique Paris Campus , France	Prof. L. Kavitha Dept. of Physics, Central University of Tamilnadu, Thiruvarur, Tamil Nadu, India
		Superfluidity and crossovers	Dr. Sunethra Ramanan Department of Physics, IITM, Chennai Tamil Nadu, India	
		The naughty photon and quantum dynamics	Dr. S. Lakshmi Bala Department of Physics, IITM, Chennai Tamil Nadu, India	Dr. S. Muruges Indian Institute of Space Science and Technology, Trivandrum, Kerala

24.11.2020 AN (5:30 PM-7:00 PM) : Session I: Symposium 4: Game Theory				
7	Dr. G. Ravindran Indian Statistical Institute, Chennai, Tamil Nadu, India	College admissions and stability problem	Prof. T. Parthasarathy (Rtd.) Indian Statistical Institute, Chennai, Tamil Nadu, India	Prof. G. Ravindran, Indian Statistical Institute, Chennai, Tamil Nadu, India
		Introduction to Evolutionary Game Theory	Dr. Sujatha Babu Chennai Mathematical Institute, Tamil Nadu, India	
		Evolutionary stability in multipopulation games	Prof. Shaiju A J Department of Mathematics, IIT Madras, Chennai, Tamil Nadu, India	
		Completely Mixed Bimatrix Games	Prof. G. Ravindran, Indian Statistical Institute, Chennai, Tamil Nadu, India	Prof. T. Parthasarathy (Rtd.) Indian Statistical Institute, Chennai, Tamil Nadu, India

24.11.2020 AN (5:30 PM-7:30 PM) : Session J: Symposium 5: Recent Trends on Condensed Matter Physics with Modern Applications				
8	Dr.P. Sabareesan SASTRA University, Thanjavur, Tamilnadu, India	TAO-DFT and its Application to Carbon and Boron Chains	Dr. S. Seenithurai Post-Doctoral Fellow in Physics National Taiwan University, Taiwan	Dr. Sukanya D Department of Physics Stella Maris College, Chennai, Tamil Nadu, India
		Propagation of Electromagnetic soliton in a ferromagnetic Nanowire	Prof. L. Kavitha Dept. of Physics, Central University of Tamilnadu, Thiruvavur, Tamil Nadu, India	Dr. Julie Charles Department of Physics, SSN College of Engineering Tamil Nadu, India
		Enhanced transmission bands and group velocity in bicomponent magnonic waveguides for signal transmission devices	Dr. P. Sabareesan Department of Physics, Sastra University, Thanjavur, Tamil Nadu, India	
		Paper Presentations : 42, 75, 111		

24.11.2020 AN (5:30 PM-8:30 PM) : Session K: Symposium 6: Theoretical and Algorithmic Approach to Graph Theory				
9	Dr. P. Venugopal Head, Department of Mathematics SSN College of Engineering & Dr. V. Jude Annie Cynthia Head, Dept. of Mathematics, Stella Maris College, Chennai, Tamil Nadu, India	Metric dimension and its variants	Prof. Bharati Rajan Professor Emeritus, Department of Mathematics, Loyola College, Chennai, India	Dr. P. Venugopal Head, Department of Mathematics SSN College of Engineering, Tamil Nadu, India
		On antimagicness of digraphs	Prof. Andrea Semanicova-Fenovcikova Dept of Applied Mathematics and Informatics, Technical University of Košice, Letná 9, Košice, Slovakia	Dr. V. Jude Annie Cynthia Head, Dept. of Mathematics, Stella Maris College Chennai, Tamil Nadu, India

24.11.2020 AN (5:30 PM-8:30 PM) : Session L: Symposium 7: Graph Coloring and Embedding				
10	Dr. T.M. Rajalaxmi Department of Mathematics Sri Sivasubramaniya Nadar College of Engineering, Tamilnadu, India	Labeling and Coloring in Graphs	Prof. Indra Rajasingh Dean Sciences, VIT - Chennai, Tamilnadu, India	Dr. T.M. Rajalaxmi Department of Mathematics SSN College of Engineering, Tamilnadu, India
		Embedding Wheel- like Networks	Dr. Sudeep Stephen Department of Mathematics, University of Auckland, Auckland 1010, New Zealand	
Paper Presentations pertaining to Symposium 6				Dr. V. Jude Annie Cynthia Head, Dept. of Mathematics, Stella Maris College Chennai, Tamil Nadu, India
Paper Presentations: 16, 35, 57, 95, 119, 134				

24.11.2020 AN (5:30 PM-8:00 PM): Session M: Symposium 8: Modern Analysis				
12	Dr. Swadesh Kumar Sahoo Department of Mathematics IIT Indore, Madhya Pradesh, India	Microlocal analysis and characterization of Sobolev wavefront sets using shearlets	Dr. Niraj Kumar Shukla Department of Mathematics IIT Indore, Madhya Pradesh, India	Dr. Swadesh Kumar Sahoo Department of Mathematics IIT Indore, Madhya Pradesh, India
		An exact formula for a Lambert series associated to a cusp form and the Mobius function	Dr. Bibekananda Maji Department of Mathematics, IIT Indore, Madhya Pradesh, India	
		On the Matrix classes (c_0, c_0) and $(c_0, c_0; P)$ over Complete Ultrametric Fields	Dr. P.N. Natarajan (Rtd) Dept. of Mathematics, Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu, India	Dr. Bibekananda Maji Department of Mathematics, IIT Indore, Madhya Pradesh, India
		Area of regions and open problems in analytic function theory	Dr. Swadesh Kumar Sahoo IIT Indore, Madhya Pradesh, India	
		Paper Presentations : 113, 114, 158, 237		Dr. Swadesh Kumar Sahoo Department of Mathematics IIT Indore, Madhya Pradesh, India
24.11.2020 AN (7:00 PM-8:30 PM) : Session N-1: Special Session 3: Statistics -1				
13	Conference Submissions	Paper Presentations: 2, 5, 26, 85, 89, 106, 107, 115, 116	Prof. S. C. Malik Department of Statistics, M.D.University, Rohtak, India	
24.11.2020 AN (7:00 PM-8:30 PM) : Session N-2: Special Session 3A: General				
14	Conference Submissions	Paper Presentations: 1, 23, 30, 38, 50, 70, 127, 188, 214, 215, 258	Dr. C. Selvaraj (Rtd.) Department of Mathematics, Presidency College, Chennai, Tamil Nadu, India	
25.11.2020 FN (9:10 AM-9:50 AM): Session P: Special Session 4: Cyber-Physical Systems				
15	Prof. T.V. Gopal Department of Computer Science, Anna University, Chennai, Tamil Nadu, India	Cyber Physical systems - old wine in a new bottle or great transformation	Prof. D.K.Subramanian Dean and Professor (Rtd.), Indian Institute of Science, Bangalore, Karnataka, India	Prof. Junzo Watada Professor Emeritus, Waseda University, Japan Research Professor, Research Institute of Quantitative Economics, Zhejiang Gongshang University, China
25.11.2020 FN (10 AM-11:00 AM) : Session Q: Symposium 9: Computational Intelligence				
16	Prof J. Balasubramaniam Head, Dept. of Mathematics & Prof. C.S. Sastry Dept. of Mathematics IIT-H, Hyderabad, Telangana, India	Paper Presentations: 18, 21, 22, 48 & 54	Prof J. Balasubramaniam Head, Dept. of Mathematics & Prof. C.S. Sastry Dept. of Mathematics IIT-H, Hyderabad, Telangana, India	

25.11.2020 FN (11 AM-1:20 PM) : Session R: Special Session 5: Physics - Invited Talks

17	Dr. Belina Xavier Head, Department of Physics Stella Maris College Chennai, Tamil Nadu, India	A synergy of Quantum Theory and Computation in search of Half-Metallicity in Zn(1-x) CrxS and Zn(1-x) FexS for Optoelectronic and Spintronic applications	Prof. Rita John Head, Department of Theoretical Physics, University of Madras, Chennai, Tamil Nadu, India	Dr. J. Segar Department of Physics, Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu, India
		An Introduction to Quantum Optics Models	Dr. B. Virgin Jenisha Department of Physics, Government College of Engineering - Srirangam, Tamil Nadu, India	
	Dr. P. Rajesh Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India	Advanced Materials for Energy Devices	Dr. Muthuraaman B Department of Energy, University of Madras, Chennai, Tamil Nadu, India	Dr. P. Rajesh Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India

25.11.2020 FN (11 AM-12 Noon) : Session S: Special Session 6 : Ancient Indian mathematical and Physical Sciences

18	Prof. M. S. Rangachari Ramanujan Institute for Adv. Study in Mathematics (Rtd.) Chennai Tamil Nadu, India	Kuttaka-Indeterminate equation of first degree	Dr. Sita Sundar Raman Secretary, The Kuppuswami Sastri Research Institute, Chennai, Tamil Nadu, India	Prof. C.S. Sastry Dept. of Mathematics IIT-H, Hyderabad, Telangana, India
		Concept of Area seen by Ancient Indian Mathematicians, A new Outlook	Dr. Rama Kalyani The Kuppuswami Sastri Research Institute, Chennai, Tamil Nadu, India	

25.11.2020 FN (12 Noon - 1:20 PM) : Session T: Special Session 7 : Paper Presentation on Graph Theory pertaining to Symposium 7

19		Paper Presentations: 6, 31, 39, 47, 49, 51	Dr. T.M. Rajalaxmi Department of Mathematics SSN College of Engineering, Tamilnadu, India
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25.11.2020 FN (12 Noon - 1:20 PM) : Session U: Symposium 10 : Statistical Analysis of Environmental data

20	Prof. A.Rajalakshmi & Dr .A. Chandrasekaran Department of Physics, SSN College of Engineering, Tamil Nadu, India	Statistical Analysis of Real Time Data	Prof. C. Vijayalakshmi Department of Statistics and Applied Mathematics, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu, India	Prof. A.Rajalakshmi Head, Department of Physics SSN College of Engineering, Tamil Nadu, India
		Multivariate statistical analysis of environmental radioactivity data	Dr. R. Ravisankar Department of Physics, Government Arts College, Tiruvannamalai, Tamil Nadu, India	
		Paper Presentations: 91,141,142,146, 256	Dr.A. Chandrasekaran Department of Physics SSN College of Engineering, Tamil Nadu, India	

25.11.2020 AN (5:30 PM- 8:30 PM): Session X: Symposium 11 : Iterative Methods and Differential Equations

21	Dr. Antony Vijesh Department of Mathematics IIT Indore, Indore Madhya Pradesh, India	Explicit-Implicit splitting methods	Prof. A. S. Vasudeva Murthy (Rtd) TIFR Centre for Applicable Mathematics, Bangalore, Karnataka, India	Dr. Antony Vijesh Department of Mathematics IIT Indore, Indore Madhya Pradesh, India
		Refinement and modification of Arnoldi Iteration	Prof. Arindama Singh Department of Mathematics, IIT Madras, Chennai, Tamil Nadu, India	
		Capturing moving interfaces in a RBF based grid free environment	Prof. Sanyasiraju VSS Yedida Department of Mathematics, IIT Madras, Chennai, Tamil Nadu, India	
		Inverse problems in imaging applications	Dr. Venky Krishnan TIFR Centre for Applicable Mathematics Bangalore, Karnataka, India	
		Nonlinear Schrodinger equation and Hardy Sobolev inequality for the twisted Laplacian	Dr. Vijay Kumar Sohani Department of Mathematics, IIT Indore, Indore, Madhya Pradesh, India	
		Numerical Approximations of Hyperbolic Conservation Laws Modeling Physical Problems	Dr. Aekta Aggarwal, Indian Institute of Management, Indore, Madhya Pradesh, India	
		Paper Presentations: 118, 120		

25.11.2020 AN (5:30 PM- 8:30 PM) : Session Y: Special session 8 : Physics - Invited Talks

22	Dr. S. Masilla Moses Kennedy Department of Physics Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India	Spectroscopic, Quantum mechanical modeling and Molecular Docking investigations on halogenated pyrimidine biomolecule - Anti-viral and anti-hypertensive (Cardiotonic) drug	Dr. S. Muthu Arignar Anna Government Arts College, Cheyyar, Tamil Nadu, India	Dr. Sharat Chandra Materials Physics Division, Materials Science Group Indira Gandhi Centre for Atomic Research Kalpakkam, Tamil Nadu, India
		Predicting New Generation Smart Nano-Materials for Sustainable Clean Society Using DFT level Simulations	Dr. Puspamitra Panigrahi CENCOM, Hindustan Institute of Technology and Science, Tamil Nadu, India	
		Molecular Dynamics Simulations and Statistical Interpretations of the Computed Data	Dr. Sharat Chandra Materials Physics Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu, India	Dr. S. Muthu Arignar Anna Government Arts College Cheyyar, Tamil Nadu, India
		Geometric optics based modeling of optical fiber sensors	Dr. Christina Grace Danny Department of Electronics and Instrumentation Engineering, M S Ramaiah Institute of Technology, Bengaluru, Karnataka India	
		Paper Presentations : 164, 166		

25.11.2020 AN (5:30 PM- 8:30 PM) : Session Z: Symposium 12 : Panel Discussion on Chemical Graph Theory				
23	Dr. A. S. Shanthi & Dr. S.Sarah Surya Department of Mathematics Stella Maris College Chennai, Tamil Nadu, India	Topological Indices of Molecular Graphs and Drug Design	Dr. J. Baskar Babujee Associate Professor of Mathematics, Anna University, MIT Campus, Chennai, Tamil Nadu, India	Dr. A. S. Shanthi & Dr. S.Sarah Surya Department of Mathematics Stella Maris College Chennai, Tamil Nadu, India
		Perimeter and site perimeter of a k-ary word	Prof. TOUFIK MANSOUR Department of Mathematics, University of Haifa, Isreal	
		Interdisciplinary Graph Theory	Prof. ISMAIL NACI CANGUL Department of Mathematics, Bursa Uludag University, Gorukle 16059 Bursa/Turkey	
25.11.2020 AN (5:30 PM- 8:30 PM) : Session Z: Symposium 13 : Graph Labeling and its Applications				
24	Dr. S Teresa Arockiamary Department of Mathematics Stella Maris College Chennai, Tamil Nadu, India	Labeling Techniques in Subdivision graphs	Dr.K.Thirusangu Dean of Research, SIVET College, Chennai,Tamil Nadu, India	Dr. S Teresa Arockiamary Department of Mathematics Stella Maris College, Chennai, Tamil Nadu, India
		Impact of Graph Labeling in Graph Decomposition	Prof. G. Sethuraman Department of Mathematics, C.E.G Campus, Anna University, Chennai,Tamil Nadu, India	
		The characteristic polynomial of a graph containing loops	Prof. Deepa Sinha Department of Mathematics, South Asian University, New Delhi, India	
		Paper Presentations pertaining to Symposia 12 &13 : 66, 74, 78, 160 , 176 / 10, 15, 169		
26.11.2020 FN (9:30 AM-1:20 PM) : Session BB: Symposium 14 : Algebra and Applications				
25	Dr. V. Selvan Department of Mathematics Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu, India	On Noetherian semimodules over semirings	Dr. J. N. Chaudhari M.J. College (Autonomous), Jalgaon, Maharashtra, India	Dr. Madhu Dadhwal Department of Mathematics and Statistics H.P.University, Summerhill, Shimla Himachal Pradesh, India
		Current Trends in Algebras arising from Propositional Calculi	Dr. Chandramouleeswaran M Head, PG Department of Mathematics, Sri Ramanas College of Arts and Science for Women, Aruppukottai, Tamil Nadu, India	
		Spectrum and energy of signed Brauer algebras	Dr. A. Tamilselvi Assistant Professor, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, Tamil Nadu, India	Dr. V. Selvan Department of Mathematics Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu, India
		Paper Presentations: 14, 17, 64, 133, 144, 145		

26.11.2020 FN (9:30 AM-12:30 PM) : Session CC: Symposium 15 : Data mining and Digital Image Processing

26	Dr. I Diana Judith & Dr. K.C. Sharmili Department of Computer Science Stella Maris College Chennai, Tamil Nadu, India	Big Data Analytics with Deep Learning in Healthcare	Dr. Peter Augustine Department of Computer Science, Christ University, Bangalore, Karnataka, India	Dr. I Diana Judith & Dr. K.C. Sharmili Department of Computer Science Stella Maris College Chennai, Tamil Nadu, India
		Neural Networks in Image Processing - A Research Perspective	Dr. S. Radhika Department of Information Technology, RMK Engineering College, Chennai, Tamil Nadu, India	
		A Novel Round Trip Meta-heuristics (RTM) optimization algorithm for inverting noisy geophysical data	Dr. A. Stanley Raj Department of Physics, Loyola College Chennai, Tamil Nadu, India	
		Data mining	Prof. K.Kalaiselvi Head, School of Computing Science, Vels Institute of Science, Technology & Advanced Sciences, Chennai, Tamil Nadu, India	
		Paper Presentations : 83, 87, 181, 243		

26.11.2020 FN (10:30 AM-1:20 PM) : Session DD: Symposium 16 : Processing and fabrication of new and advanced materials

27	Dr. P. Rajesh Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India	Two-dimensional Materials for Nanophotonic Devices	Dr. Joyce Sophia Ponraj Director & Research Professor Centre for Advanced Materials, Aaivalyam-DIRAC, Coimbatore, Tamil Nadu, India	Dr. P. Rajesh Department of Physics SSN College of Engineering Kalavakkam, Tamil Nadu, India
		Evaluation of efficient piezoelectric crystals for energy harvesting	Dr. P.Rajesh Department of Physics, SSN College of Engineering, Kalavakkam, Tamil Nadu, India	Dr. Joyce Sophia Ponraj Director & Research Professor Centre for Advanced Materials, Aaivalyam-DIRAC, Coimbatore, Tamil Nadu, India
		Paper Presentations: 71, 246, 258		

26.11.2020 AN (5:30 PM-8:30 PM) : Session GG: Symposium 17 : Fuzzy Set Theory and Applications

28	Dr. Felbin C. Kennedy & Dr. V. Dhanalakshmi Department of Mathematics Stella Maris College, Chennai, Tamil Nadu, India	On Solving Multi-Objective Fully Fuzzy Linear Fractional Programming Problems	Prof. K. Ganesen Department of Mathematics, SRM Institute of Technology, Tamil Nadu, India	Dr. V. Dhanalakshmi Department of Mathematics, Stella Maris College, Chennai, Tamil Nadu, India
		A Lattice Structure on Fuzzy β-Neighbourhood Based Soft Rough Sets	Prof. B. Praba Department of Mathematics, SSN College of Engineering, Kalavakkam, Tamil Nadu, India	
		A Proposal on Fuzzy Number supported AI-360° Student Academic progress reporting system for Indian School Education System	Dr. Sudhakar Chandran Department of Mathematics and Applied Sciences, Middle East College, Muscat, Sultanate of Oman	
		Optimization in Inexact Environment: Recent Trends	Dr. Prasun Kumar Nayak Department of Mathematics, Midnapore College (Autonomous), Midnapore, West Bengal, INDIA	
		Application of Fuzzy Soft and Interval Valued Fuzzy Soft Matrices in Dimension Reduction and Medical Diagnosis	Prof. Hooda D S Former Pro-Vice Chancellor, Kurukshetra University, (Rtd) Head, Dept. of Mathematics, Jaypee Institute of Engineering & Technology, M.P, India	Dr. Felbin C. Kennedy Department of Mathematics, Stella Maris College, Chennai, Tamil Nadu, India
		Characterization of Linear Fuzzy Numbers	Dr. V. Dhanalakshmi Department of Mathematics, Stella Maris College, Chennai, Tamil Nadu, India	
		Paper Presentations: 7, 36, 37, 69, 104, 117		Dr. Sudhakar Chandran Department of Mathematics and Applied Sciences, Middle East College, Muscat, Sultanate of Oman

26.11.2020 AN (7 PM - 8:30 PM): Session HH: Symposium 18 : Theoretical and Computational nonlinear dynamics of condensed matter and their applications

29	Dr. M. Saravanan Department of Physics, SRM Institute of Technology, Tamil Nadu, India	Density Functional Theoretical Calculations on Multi-Functional Materials	Prof. R. Vidya Department of Medical Physics, C. E. G. Campus, Anna University, Chennai, Tamil Nadu, India	Dr. G. Anandha Babu Department of Physics, SSN College of Engineering Tamil Nadu, India
		Rogue breather modes in a spin-chain	Dr. S. Muruges Indian Institute of Space Science and Technology, Trivandrum, Kerala	Dr. M. Saravanan Department of Physics, SRM Institute of Technology Tamil Nadu, India
		Nonlinear excitations in ferromagnetic spin system: Effect of inhomogeneities	Dr. M. Saravanan, Department of Physics, SRM Institute of Technology, Tamil Nadu, India	Prof. R. Vidya Department of Medical Physics, C. E. G. Campus, Anna University, Chennai, Tamil Nadu, India
		Paper Presentations : 112		

26.11.2020 AN (6:30 PM - 8:30 PM) : Session II: Symposium 19 : Classical Analysis

30	Prof.S.Sivasubramanian University College of Engineering Anna University, Tindivanam Tamil Nadu, India	Linear Structures On Certain Sub Classes of Analytic functions Through Integral Operators	Prof. T. N. Shanmugam (Rtd.) Department of Mathematics, Anna University, Chennai, Tamil Nadu, India	Prof.S.Sivasubramanian University College of Engineering, Anna University, Tindivanam, Tamil Nadu, India
		Conjectures concerning quasi-subordination	Prof.S.Sivasubramanian University College of Engineering, Anna University, Tindivanam, Tamil Nadu, India	Prof. T. N. Shanmugam (Rtd.) Department of Mathematics, Anna University, Chennai, Tamil Nadu, India
		Paper Presentations : 147, 151, 157, 162		

26.11.2020 AN (6:30 PM - 8:30 PM) : Session JJ: Special Session 9 : Paper Presentation - Statistics - 2

31	Conference Submissions	Paper Presentations : 125, 126, 129,132,159, 165, 194, 198		Prof. S. C. Malik Department of Statistics, M.D.University, Rohtak, India
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27.11.2020 FN (9AM-9:30 AM) : Session KK: Special Session 10: Physics – Invited Talk

32	Dr. Belina Xavier Head, Dept. of Physics Stella Maris College Chennai, Tamil Nadu, India	Epidemics, Networks and Games: Understanding why vaccine-preventable diseases are making a comeback	Prof. Sitabhra Sinha The Institute of Mathematical Sciences, Chennai, Tamil Nadu, India	Dr. B. Virgin Jenisha Department of Physics, Government College of Engineering - Srirangam, Tamil Nadu, India
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27.11.2020 FN (9:30 AM-10:0 AM) : Session KK: Special Session 11 : Soft Computing

34	Dr. Renuka Rajarathnam Dean research, Stella Maris College, Chennai, Tamil Nadu, India	The Rise of Swarm Intelligence	Dr. Jagdish Chand Bansal Department of Mathematics, South Asian University, New Delhi, India	Dr. M. Danny Raj Department of Chemical Engineering IISC, Bengaluru, Karnataka, India
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27.11.2020 FN (10:00 AM-10:30 AM) : Session KK: Special Session 12 : Algebraic Geometry

35	Prof. P.V. Subramanyam (Rtd.) Department of Mathematics IITM, Chennai Tamil Nadu, India	Introduction to Toric Varieties and some Applications	Dr. Uma V Department of Mathematics, IIT Madras, Chennai, Tamil Nadu, India	Dr. A Uma Maheswari Research Officer, Tamil Nadu State Council for Higher Education, Lady Willington Campus, Chennai, Tamil Nadu, India
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27.11.2020 FN (10:30 AM-10:50 AM) : Session LL: Special Session 13 : Fuzzy Relational Equations and its applications in Fuzzy Markov Model

36	Prof.B. Praba SSN College of Engineering, Tamil Nadu, India	MDS Codes and Perfect Codes with Pomset Metric	Dr. R. S. Selvaraj Dept of Mathematics, National Institute of Technology, Warangal, Telangana, India	Prof.B. Praba SSN College of Engineering, Tamil Nadu, India
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27.11.2020 FN (10:50 AM - 1:20 PM): Session MM: Special Session 14 : Invited Talk / Presentation

37	Dr.Malini S. U DG Vaishnav College, Chennai, Tamil Nadu, India	Image Reconstruction - Computerized and Discrete Tomography	Dr. Manoj Sahni Head, Department of Mathematics, Pandit Deen Dayal Petroleum University, Gandhinagar, Gujarat, India	Dr.Malini S. U Department of Mathematics DG Vaishnav College, Chennai, Tamil Nadu, India
		Minimal Conditions on Fuzzy Logic Connectives for Interpolative and Continuous Fuzzy Inference Mechanisms	Dr. Sayantan Mandal Department of Mathematics, SRM Institute of Technology, Andhra Pradesh, India	
		Paper Presentations : 130, 155, 163, 173, 175, 178, 184, 229, 257		
27.11.2020 FN (10:30 AM-1:20 PM): Session NN: Symposium 20 : Image Processing & Machine Learning				
38	Prof. N. Venkateswaran Department of Electronics and Communication Engineering & Dr.N.Padmapriya Department of Mathematics SSN College of Engineering, Tamil Nadu, India	Machine Learning for Feature Representation in Computer Vision	Prof. N. Venkateswaran Department of Electronics and Communication Engineering, SSN College of Engineering, Tamil Nadu, India	Dr.N.Padmapriya Department of Mathematics SSN College of Engineering, Tamil Nadu, India
		Evaluation of Four Intermediate Filters to Improve the Motion Field Estimation	Dr.Vanel Lazcano Facultad de Estudios Interdisciplinarios Universidad Mayor, Chile	
		Ethical failures of Big Data and Machine Learning – Formal perspectives	Prof.Horia-Nicolai Teodorescu Technical University of Iasi, Iasi, Romania	Prof. N. Venkateswaran Department of Electronics and Communication Engineering, SSN College of Engineering, Tamil Nadu, India "
		Novel applications of Digital Image Processing	Dr.N.Padmapriya Department of Mathematics, SSN College of Engineering, Tamil Nadu, India	
		Paper Presentations : 137, 138, 233, 259, 260		
27.11.2020 FN (10:30 AM-1:20 PM) : Session OO: Special Session 15 : Invited Talks				
39	Ms. Christy preetha Dept. of Physics, Stella Maris College Chennai, Tamil Nadu, India	Aspects of non-relativistic symmetries	Dr. J. Segar Department of Physics, Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu, India	Dr.Annie Vinosha Dept. of Physics, Stella Maris College Chennai, Tamil Nadu, India
	Prof. P.V. Subramanyam (Rtd.) Department of Mathematics IITM, Chennai Tamil Nadu, India	Intrinsic and extrinsic geometry of correlated many body states	Prof. Syed R Hassan The Institute of Mathematical Sciences, Chennai, Tamil Nadu, India	Prof. Sudhakar Yarlagadda Institute of Nuclear Physics, Kolkota, West Bengal, India
		Mathematical models of epidemiology and classical Mechanics	Prof. R. Shankar The Institute of Mathematical Sciences, Chennai, Tamil Nadu, India	
Ms. Christy preetha Dept. of Physics, Stella Maris College Chennai, Tamil Nadu, India	Role of Bell violation and local filtering in quantum key distrubution	Prof. Sibasish Ghosh The Institute of Mathematical Sciences, Chennai, Tamil Nadu, India	Dr. Belina Xavier Head, Dept. of Physics Stella Maris College, Chennai, Tamil Nadu, India	
27.11.2020 FN (10:30 AM-1:20 PM): Session PP: Paper Presentations on Graph Theory pertaining Symposia 6, 7 & 13				
40		Paper Presentations : 32, 33, 65, 187, 143, 170, 67, 140, 174		Dr. S Teresa Arockiamary Department of Mathematics Stella Maris College, Chennai, Tamil Nadu, India
27.11.2020 FN (10:30 AM-1:20 PM): Session QQ : Paper Presentations (General)				
41	Conference Submissions	Paper Presentations : 82, 84, 92,105, 128, 153, 154, 167		Dr. Thomas Rosy Associate Dean of Research for Sciences Madras Christian College, Chennai Tamil Nadu, India