Paper Presentation Schedule
Day-1: 4th October 2022
Time: 4:00 PM - 6:00 PM
Applied Mathematics Session-1
Meeting Link: https://tinyurl.com/yrcbw6fc

No	ABS ID	Title	Author	Timings
1	AbsID00001	Double-diffusive Hadley-Prats flow in a horizontal porous layer with viscous dissipation, concentration based internal heat source and mass flow.	Muhammed Rafeek KV	4:00 PM – 4:10 PM
2	AbsID00002	Mathematical modelling approach for administration of palatable diet to quantify blood glucose level – A reference to Systolic blood pressure.	Smt. MANI K S	4:10 PM – 4:20 PM
3	AbsID00004	Analysis of Heat and Mass Transfer in Magneto Mixed Convective Jeffery nanofluid over a Wedge with Viscous Dissipation	Yogesh dadhich	4:20 PM – 4:30 PM
4	AbsID00005	Mathematical study on palatable diet administration with a reference to diabetes mellitus on varying body frames – ANOVA test with PFC ratio.	Ashwini.G	4:30 PM – 4:40 PM
5	AbsID00007	MHD Williamson nanofluid flow over a stretching sheet with Cattaneo-Christov heat flux model.	A SIVAMMA	4:40 PM – 4:50 PM
6	AbsID00008	MHD mixed convective non-Newtonian stagnation point flow over an inclined stretching sheet: Numerical simulation.	SULTANA BEGUM	4:50 PM – 5:00 PM
7	AbsID00011	An MHD Casson carbon nanotubes flow with mass and heat transfer under thermosolutal Marangoni convection in a porous medium: Analytical solution	A.B. Vishalakshi	5:00 PM – 5:10 PM
8	AbsID00013	AN EFFECT OF MARANGONI CONVECTION IN A POROUS AND THERMAL RADIATION FLOW OF A CASSON HYBRID NANOFLUID WITH HEAT AND MASS TRANSFER.	K. N. Sneha	5:10 PM – 5:20 PM

9	AbsID00014	The Impact of CNT on the axisymmetric flow over a porous shrinking sheet under the effect of thermal radiation: Brinkman model.	Mahesh R	5:20 PM – 5:30 PM
10	AbsID00015	NEWTONIAN- MARANGONI LAMINAR BOUNDARY LAYER FLOW OF TERNARY NANOFLUID OVER	Maranna T	5:30PM – 5:40PM

Day-1: 4th October 2022

Time: 4:00 PM - 6:00 PM

Applied Mathematics Session-2

Meeting Link: https://tinyurl.com/bdcssfw7

No	ABS ID	Title	Author	Timings
1	AbsID00016	AN INVESTIGATION OF DUFOUR AND SORET EFFECTS ON RADIATIVE WALTERS' LIQUID B FLOW WITH TERNARY NANOPARTICLES AND HEAT TRANSFER PAST A POROUS SHEET.	G. P. VANITHA	4:00 PM – 4:10 PM
2	AbsID00019	Mathematical Study on the Effect of Thermal Pollution on Human Health - A Reference to Cancer Risks	Dr. Krishna Kumar T K	4:10 PM – 4:20 PM
3	AbsID00020	Application of hermite wavelet method to solve nonlinear Genesio equation	VIDYA SHREE R.	4:20 PM – 4:30 PM
4	AbsID00025	Linear Stability Analysis of Onset of Vibrational Thermo-convection Subjected to High-Frequency.	Atul Kumar Kushwaha	4:30 PM – 4:40 PM
5	AbsID00026	Energy dissipation and Hall effect on MHD convective flow of nanofluid within an asymmetric channel with arbitrary wall thickness and conductance.	Jitendra Kumar Singh	4:40 PM – 4:50 PM
6	AbsID00031	Non-Newtonian flow with heat and mass transfer over a porous stretching sheet under the effects of space dependent and temperature gradient dependent heat sink, non - uniform heat source and dissipation of energy and concentration gradient dependent mass diffusion with suction /blowing.	Mrs.Priyanka Sapali	4:50 PM – 5:00 PM
7	AbsID00032	A Study on MHD Forced Convective flow of Nanofluid in presence of Nanoparticles in a Vertical Rectangular Duct.	BISHNU RAM DAS	5:00 PM – 5:10 PM

8	AbsID00035	Effect of melting heat transfer on stagnancy flow of ethylene glycol-water based Casson nanofluid.	SAVITA	5:10 PM – 5:20 PM
9	AbsID00036	Double-Layered Porous Rayleigh Step Slider Bearings Lubricated with Couplestress Fluids	RAKESH G	5:20 PM – 5:30 PM
10	AbsID00037	Surface Roughness Influence on the Dynamic Performance of Rayleigh Step Bearing Lubricated with Couplestress Fluid	ASHWINI ANGADI	5:30PM – 5:40PM

Day-1: 4th October 2022

Time: 4:00 PM - 6:00 PM

Applied Mathematics Session-3

Meeting Link: https://tinyurl.com/yjadzedc

No	ABS ID	Title	Author	Timings
1	AbsID00038	Two-dimensional flow field induced by dust particles and hybridnanofluid in presence of viscoelastic effect and thermal radiation.	KIRNU BADAK	4:00 PM – 4:10 PM
2	AbsID00041	Heat transfer of Water-Ethylene glycol (50:50) based nanofluid flow about a spinning down-pointing vertical cone in Darcy Porous medium.	Yashodha S	4:10 PM – 4:20 PM
3	AbsID00044	Bioconvective Falkner-Skan flow of mixed nanofluid past a wedge with suction and injection effects.	Nanda	4:20 PM – 4:30 PM
4	AbsID00046	Influence of nonlinear radiation on MHD flow of mixed nanofluid above a stretched surface.	RANJANA BHANDARE	4:30 PM – 4:40 PM
5	AbsID00047	Physics of revolving flows near rotating disks	Bikash Sahoo	4:40 PM – 4:50 PM
6	AbsID00051	Effect of Darcy and Brinkman numbers on the convection coefficient in a three-dimensional fluid flow through a porous channel.	Srihari M Subodha	4:50 PM – 5:00 PM
7	AbsID00053	Nonlinear Thermal Radiation and Heat Absorption Influence On Couple Stress Darcy-Forchheimer Nonlinear Mixed Convective Hybrid Ternary Nanofluid Flow Over a Nonlinear Stretching Surface.	RADHA PYARI DEVARSU	5:00 PM – 5:10 PM

8	AbsID00054	Effect of gravity and throughflow on double diffusive convection in a couple stress fluid saturated porous media.	PREETI BHUSHAN	5:10 PM – 5:20 PM
9	AbsID00055	Entropy optimized MHD natural convective flow of Williamson fluid with nonlinear radiation and viscous dissipation effects	MITAL HIREN MISTRY	5:20 PM – 5:30 PM
10	AbsID00057	Numerical scrutinization of non-uniform inertial nanofluid flow within porous medium due to an elongating curved thermal convective surface with heat source/sink.	Subhajit Panda	5:30PM – 5:40PM

Day-1: 4ᵗʰ October 2022

Time: 4:00 PM - 6:00 PM

Applied Mathematics Session-4

Meeting Link: https://tinyurl.com/mr2uxbry

No	ABS ID	Title	Author	Timings
1	AbsID00058	Finite Element Analysis On Hydromagnetic Mixed Convective Viscoelastic Flow Over an Inclined Ramped Thermal Surface in Porous Medium with Radiative Heat Flux and Viscous and Joule Dissipation Effects.	Rupalakshmi Dharanikota	4:00 PM – 4:10 PM
2	AbsID00059	Hydromagnetic Thermodynamic Analysis On Second Grade Dissipative Nanofluid Flow Over an Elongating Convective Slippery Surface with Exponential Heat Source and Radiative Heat Flux: A Numerical Study.	VENKATARAMANA MUSALA	4:10 PM – 4:20 PM
3	AbsID00061	Effect of viscosity variation on the squeeze film lubrication of short partial porous journal bearings with micropolar fluid.	BHAGYASHRI KOTREPPA KOPPA	4:20 PM – 4:30 PM
4	AbsID00062	Influence of radiative magnetic field on a convective flow of a chemically reactive hybrid nano fluid over a vertical plate.	R Rajakumari	4:30 PM – 4:40 PM
5	AbsID00063	Numerical Solution of Nonlinear MHD Flow over a Stretching Porous Surface with Radiation, Chemical Reaction, Soret and Dufour Effects.	Dr.M.KAYALVIZHI	4:40 PM – 4:50 PM

No	ABS ID	Title	Author	Timings
6	AbsID00065	Magnetohydrodynamic flow of two immiscible hybrid nanofluids between two rotating disks.	Anandika Rajeev	4:50 PM – 5:00 PM
7	AbsID00068	Influence of transverse magnetic field on the acoustic streaming boundary layer at a solid wall.	Fathimunnisa	5:00 PM – 5:10 PM
8	AbsID00073	Role of inclined magnetic field on thermosolutal performance of hybrid nanoliquid in a lid-driven undulated cabinet.	Samrat Hansda	5:10 PM – 5:20 PM
9	AbsID00086	Convective flow of hybrid nanofluid past a vertical rotating cone with different base fluids.	S. Kirusakthika	5:20 PM – 5:30 PM
10	AbsID00091	Impact of Activation Energy, Variable Viscosity, on Magneto Hydrodynamic mixed convective Heat and Mass Transfer flow of a Nanofluid in a Cylindrical Annulus.	S. JAFARUNNISA	5:30PM – 5:40PM

Day-1: 4th October 2022

Time: 4:00 PM - 6:00 PM

Applied Mathematics Session-5

Meeting Link: https://tinyurl.com/y9vjwu2y

No	ABS ID	Title	Author	Timings
1	AbsID00092	Effect of Non-Linear Thermal Radiation and Partial slip on Unsteady MHD Flow of a Nanofluid Past a Permeable Stretching Sheet through a Porous Medium with Suction/Injection, convective Heat Transfer	Dr. P. GAYATHRI	4:00 PM – 4:10 PM
2	AbsID00093	IMPACT OF COVID-19 THIRD WAVE OMICRON IN INDIA.	GARIMA AGARWAL	4:10 PM – 4:20 PM
3	AbsID00094	Bio-Marangoni Convective Peristaltic flow of Hybrid nanofluid in non-uniform Channel	Namrata Kallolikar	4:20 PM – 4:30 PM

4	AbsID00096	THE EFFECT OF LINEAR, PARABOLIC AND INVERTED PARABOLIC SALINITY GRADIENTS ON THE ONSET OF DARCY BRINKMAN RAYLEIGH BENARD TWO - COMPONENT CONVECTION IN A TWO LAYERED SYSTEM WITH DUFOUR EFFECT	SHIVARAJA. J. M	4:30 PM – 4:40 PM
5	AbsID00097	Influence of a generated magnetic field on the flow of an EG-water- base hybrid nanofluid over an extended region	Jeevankumar	4:40 PM – 4:50 PM
6	AbsID00099	Analysis of the plasma discharge phenomena for high intensity discharge lamps using Finite Element Method.	Pallavi Malik	4:50 PM – 5:00 PM
7	AbsID00100	Darcy–Forchheimer and Ohmic heating effects on GO-TiO2 suspended cross nanofluid flow through stenosis artery.	NIRAJ RATHORE	5:00 PM – 5:10 PM
8	AbsID00101	Numerical Simulation of Hydrodynamic Interaction Between Elastic Capsules in Fluid Flow.	RANJITH MANIYERI	5:10 PM – 5:20 PM
9	AbsID00102	Mixed Convection Nanofluid flow using Lie Group Scaling with the impact of MHD Radiation Thermophoresis and Brownian motion.	Anomitra Chakraborty	5:20 PM – 5:30 PM
10	AbsID00113	Effect of Magnetic Field on the Developing Thermal Field in a Duct Filled with Porous Media under Local Thermal Non-Equilibrium with a Nonlinear Flow Model	Nitish Gupta	5:30PM – 5:40PM

Day-1: 4th October 2022

Time: 4:00 PM - 6:00 PM

Applied Mathematics Session-6

Meeting Link: https://tinyurl.com/2p89mre6

No	ABS ID	Title	Author	Timings
1	AbsID00116	Modulation instability analysis of a (3+1)-dimensional coupled nonlinear Schrödinger equation.	Dr. Vineesh Kumar	4:00 PM – 4:10 PM
2	AbsID00119	A Numerical Study on Rheology of Dilute Suspensions of Periodically Forced Natural Rubber Bolls in Water at Low Reynolds Numbers	Dr. Madhukar Krishnamurthy	4:10 PM – 4:20 PM

3	AbsID00121	Numerical Simulation for a time-dependent convective transfer of a Williamson fluid on a permeable cylinder with constant heat flux	Dhivya M	4:20 PM – 4:30 PM
4	AbsID00124	Study of Ferrofluid flow over a Stretching Sheet with Heat Source Using Spectral Numerical Method.	REDDY RAGHUVARDHAN REDDY	4:30 PM – 4:40 PM
5	AbsID00125	Lie group method for biomagnetic nanofluid flow past a stretching sheet with magnetic dipole.	KAIRAVADI SURESH BABU	4:40 PM – 4:50 PM
6	AbsID00130	The influence of a heated circular object on natural convection flow in an inverted T-shaped porous enclosure.	Sumant Kumar	4:50 PM – 5:00 PM
7	AbsID00132	An Efficient Genocchi Wavelet Method for Numerical Solution of Fractional Delay Differential Equations.	Dr Basavaraj Hoogar	5:00 PM – 5:10 PM
8	AbsID00133	A Holistic Study of the Ramani Equation using Lie Symmetry Analysis.	Sherin Agnus	5:10 PM – 5:20 PM
9	AbsID00140	Analytical investigation for the propagation of strong shock waves in a dust-filled van der Waals gas under the action of magnetic field.	AKMAL HUSAIN	5:20 PM – 5:30 PM
10	AbsID00145	Chemically Driven Convective Instabilities in Binary Nanofluids with Thermodiffusions.	D. M. Surwase	5:30PM – 5:40PM

Paper Presentation Schedule
Day-1: 4th October 2022

Time: 4:00 PM - 5:30 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 1

Meeting Link: https://tinyurl.com/42jc8atz

No	ABS ID	Title	Author	Timimgs
1	AbsID00023	Electric Field Excited Non-Invasive Flow Sensor for Agricultural Applications	ANUSHA VADDE	4:00 PM – 4:10 PM
2	AbsID00069	Micromixing of Non-Newtonian Fluids Using Discrete Surface Charge Pattern	ANSHUL KUMAR BANSAL	4:10 PM – 4:20 PM
3	AbsID00070	Numerical Investigation of Laminar Flow Through Twisted Tape with a Varying Width	GAUTAM RANJAN	4:20 PM – 4:30 PM
4	AbsID00071	Electroosmosis Flow of Non-Newtonian Fluids Through a Circular and Non- Circular Microchannel	ANSHUL KUMAR BANSAL	4:30 PM – 4:40 PM
5	AbsID00131	Numerical Study of Ice Accretion on UAV RG-15 Airfoil at Low Reynolds Number	Manaf Muhammed	4:40 PM – 4:50 PM
6	AbsID00072	Electrokinetic Micromixer: A Comprehensive Review	ANSHUL KUMAR BANSAL	4:50 PM – 5:00 PM
7	AbsID00076	Experimental Analysis of Drag Forces on a Floating Model Under Varying Submergence Conditions	R GNANADEVAN	5:00 PM – 5:10 PM
8	AbsID00120	CFD Analysis of Fly Ash Slurry Flow Across Horizontal And 900 Pipe Bend	MUKUND KUMAR	5:10 PM – 5:20 PM
9	AbsID00128	Computational Fluid Dynamic Investigation of Non-Newtonian Turbulent Duct-Flow Subsequent to In Plane Double Bends	ARKA BANERJEE	5:20 PM – 5:30 PM

Day-1: 4th October 2022

Time: 4:00 PM - 5:30 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 2

No	ABS ID	Title	Author	Timimgs
1	AbsID00129	Improved Design of Solar Desalination System	B J M RAO	4:00 PM – 4:10 PM
2	AbsID00134	Fixed Volume Computational Study of Positive Displacement Blower	SOURABH S. VARNE	4:10 PM – 4:20 PM
3	AbsID00135	Effects Of Different Phase Change Material Layouts on Thermal Management of Lithium-Ion Batteries	V VIGNESH	4:20 PM – 4:30 PM
4	AbsID00136	Effects Of Radiator Angle and Sidepod Profile on Aerodynamic Performance of Racing Car	S. ASHWIN	4:30 PM – 4:40 PM
5	AbsID00138	Numerical Investigation on The Thermal Performance of Ionanofluid Coolants in Drilling Operation	B. SRIVATHSAN	4:40 PM – 4:50 PM
6	AbsID00139	Thermal Performance of Nano-Enriched Composite Phase Change Material in A Finned Rectangular Enclosure	AYUSH TRIPATHI, KARTIKEYA PAL	4:50 PM – 5:00 PM
7	AbsID00143	CFD Air Flow Analysis of Generic Air Blast Atomizer	AKSHAYKUMAR JAMBAGI	5:00 PM – 5:10 PM
8	AbsID00147	Melting Characteristics of Hybrid Nano Enhanced Phase Change Material in A Finned Circular Tube	S V S RAHUL	5:10 PM – 5:20 PM
9	AbsID00195	Computational Fluid Dynamics Studies of Erosion on The Surface of Corrugated Pipe	AMAN RAJ ANAND	5:20 PM – 5:30 PM

Day-1: 4th October 2022

Time: 4:00 PM - 5:30 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 3

Meeting Link: https://tinyurl.com/bdsp38n

No	ABS ID	Title	Author	Timimgs
1	AbsID00149	Grid Adaptive Technique for Simulation of Scramjet Intake-Isolator at Hypersonic Speeds.	J SANDEEP	4:00 PM – 4:10 PM
2	AbsID00202	Engine Oil-Based Polymer Gel Preparation for Thermal Additive Centrifugal Force Assisted Abrasive Flow Machining Process	ANANT BHARDWAJ	4:10 PM – 4:20 PM

3	AbsID00210	A Study on Viscosity of Viscoelastic Magnetic Abrasive Gel Under Different Volumetric Proportions	SRINIVAS KROVVIDI	4:20 PM – 4:30 PM
4	AbsID00221	Characterization And Machinability Studies of Aluminium-Based Hybrid Metal Matrix Composites – Critical Review	SUHAS PATIL	4:30 PM – 4:40 PM
5	AbsID00226	Determination Of Condensation Heat Transfer in Horizontal Pipes	ATHARVA VILAS DHORE	4:40 PM – 4:50 PM
6	AbsID00227	Development of a Clean Burning Natural Draft Metal Biomass Cookstove for Community Kitchen	KAILASNATH BHIMRAO SUTAR	4:50 PM – 5:00 PM
7	AbsID00021	Relocation of the Double-Bump on the Ramp of a Supersonic Air-Intake for its Improved Performance.	DR. N. V. RAGHAVENDRA	5:00 PM – 5:10 PM
8	AbsID00230	Numerical study on the effect of the spanwise and streamwise pitch	ARUNKUMAR H S	5:10 PM – 5:20 PM
9	AbsID00039	Particulate Deposition Study in an Infant Nasal Cavity	JOHN VALERIAN CORDA	5:20 PM – 5:30 PM

Day-1: 4th October 2022

Time: 4:00 PM - 5:30 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 4

Meeting Link:https://tinyurl.com/2cfk3k47

No	ABS ID	Title	Author	Timimgs
1	AbsID00225	Fundamental Study on Human Abdominal Aortic Branches Using Numerical Simulation	GOWRAVA SHENOY B	4:00 PM – 4:10 PM
2	AbsID00114	Application of fluid-structure interaction technique for a single pad externally adjustable fluid film bearing	HARISHKUMAR KAMAT	4:10 PM – 4:20 PM
3	AbsID0090	Supersonic Combustion (Scramjet) Containing Flame-Holder with Slot Injection	ANUPRIYA	4:20 PM – 4:30 PM
4	AbsID00108	Convective Heat Transfer Past Different Shaped Slotted Cylinders at a Low Reynolds Number	PRANNOY MANDAL PROTYUSH KUMAR MOHANTA	4:30 PM – 4:40 PM

5	AbsID00109	Steady Flow Past the Heated Slotted Cylinder at Low Reynolds Number.	PRANNOY MANDAL, Arkya Gupta	4:40 PM – 4:50 PM
6	AbsID00137	CFD Simulation on Aerodynamic Performance of Hyperloop Vehicle	R S V N MURTY AND PRANAV PABSETTI1	4:50 PM – 5:00 PM
7	AbsID00199	Stress And Deformation Analysis of Impeller Blade of Mixed Flow Pump Using ANSYS	DURVESH	5:00 PM – 5:10 PM
8	AbsID00166	Aerodynamic Characteristics of Blerake Winglet.	MOHAMED HUSSAIN	5:10 PM – 5:20 PM
9	AbsID00203	Computational Fluid Dynamic Study on The Effect of Hematocrit Concentration on Hemodynamics	M SAI KIREETI	5:20 PM – 5:30 PM

Day-1: 4th October 2022

Time: 4:00 PM - 5:30 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 5

Meeting Link: https://tinyurl.com/2p8zvvdu

No	ABS ID	Title	Author	Timimgs
1	AbsID00188	Effect Of Counterflow Jet on Different Forebodies at Supersonic Speed.	MD. GULAM SARWAR	4:00 PM – 4:10 PM
2	AbsID00191	Comparative Study of Dimple Effect on Three-Dimensional Cambered Aircraft Wing	RESHMA SETT	4:10 PM – 4:20 PM
3	AbsID00214	Turbulent Airflows Over Serrated Wings: A Review of Experimental and Numerical Analysis.	MR. SHIVA PRASAD U.	4:20 PM – 4:30 PM
4	AbsID00215	Statistical Analysis Using Taguchi Method for Designing a Robust Wind Turbine.	VISHAL KAUSHIK	4:30 PM – 4:40 PM
5	AbsID00024	A Review on Magnetic and Electric Field Excited Non-Invasive Methods for Incompressible and Newtonian Conductive Liquids	ANUSHA VADDE	4:40 PM – 4:50 PM
6	AbsID00027	Schottky junction based solar energy harvester	SEIM TIMUNG	4:50 PM – 5:00 PM
7	AbsID00077	Effects of number of blades on performance of counter rotating Vertical axis wind turbine (VAWT)	JAYAKRISHNAN RADHAKRISHNAN	5:00 PM – 5:10 PM
8	AbsID00081	Numerical Design on Annular Dump Combustor of a Ship	VAIBHAV SONI	5:10 PM – 5:20 PM

11	AbsID00216	Numerical investigation of thermal management of lithium ion batteries using phase change materials with different fin shapes and their optimization using CFD technique	THUNDIL KARUPPA RAJ R	5:20 PM – 5:30 PM

Time: 5:00 PM - 7:00 PM

Applied Mathematics Session-7

Meeting Link: https://tinyurl.com/mvwj3b9c

No	ABS ID	Title	Author	Timings
1	AbsID00146	The heat transfer characteristics of hybrid nanofluid (Ti02+Fe3O4/H2O) flow over a nonlinear elongated sheet with variable permeability	THAMIZHSELVI.V	5:00 PM – 5:10 PM
2	AbsID00150	Symmetries of higher-order Boussinesq equations	AMLAN KANTI HALDER	5:10 PM – 5:20 PM
3	AbsID00151	Effect of buoyancy force and Lorentz force in hybrid nanofluid on stagnation-point flow under the stimulus of induced magnetic field	SUNENDRA SHUKLA	5:20 PM – 5:30 PM
4	AbsID00152	Nanoparticle shape effects on MHD Cu-water nanofluid flow over a stretching sheet with thermal radiation and heat source/sink	C M Mohana	5:30 PM – 5:40 PM
5	AbsID00153	On the radiative heat transport phenomena in MHD williamson nanofluid flow past expanding surface with an interaction of inclined magnetic field	PARSHURAM SAHOO	5:50 PM – 5:50 PM
6	AbsID00154	Growth Rate Bounds and Instability Regions for Azimuthal Disturbances of Inviscid Swirling Flows.	Prakash S	5:50 PM – 6:00 PM
7	AbsID00160	Pade Approximate Solutions of a Mixed Convection Boundary Layer Approximation in a Porous Medium	P. S. Javir	6:00 PM – 6:10 PM
8	AbsID00161	Non-uniform temperature gradients and magnetic field impact on the onset of double- diffusive Darcy Rayleigh Benard convection in a composite system filled with couple stress fluid	T Arul Selvamary	6:10 PM – 6:20 PM
9	AbsID00163	Pade Approximant Method for Boundary Layer Flow and Heat Transfer past a Shrinking Sheet in a CuO2 Nanofluid	A. S. Falmari	6:20 PM – 6:30 PM

No	ABS ID	Title	Author	Timings
10	AbsID00169	The mixed convective flow of tri-hybrid nanofluid TiO_2-Al_2O_3-Sio_2/H_2O past a variably thicked stretching sheet with Newtonian heating.	Archie Thakur	6:30 PM – 6:40 PM

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Day-2: 5th October 2022

Time: 5:00 PM - 7:00 PM

Applied Mathematics Session-8

Meeting Link: https://tinyurl.com/mr229cyy

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No	ABS ID	Title	Author	Timings
1	AbsID00170	Effect of large suction in compressible boundary layer flow over a semi-infinite flat plate with heat flux	S V Palmur	5:00 PM – 5:10 PM
2	AbsID00171	Heat and Mass Transfer by Natural Convection from Vertical Surface in Porous Media	U. M. Muchale	5:10 PM – 5:20 PM
3	AbsID00172	Double-diffusive Bio-mixed convective flow of nanofluid over Nonlinear Stretching Sheet with Magnetic Field, Porous Medium, Non-uniform Heat Source Sink and Electro-osmosis.	Gayitri Mali	5:20 PM – 5:30 PM
4	AbsID00173	Impact of buoyancy force on MHD hybrid nanofluid flow past a stretching sheet with thermal radiation	Madiha Takreem. K	5:30 PM – 5:40 PM
5	AbsID00175	Peristaltic Transport of Bingham Fluid through Nonuniform Channel with Convective Conditions and Lorentz Forces.	Dr.THIPPESWAMYGON CHIGARA	5:50 PM – 5:50 PM
6	AbsID00178	Magnetohydrodynamic flow of two immiscible hybrid nanofluids between two rotating disks	Anandika Rajeev	5:50 PM – 6:00 PM
7	AbsID00182	Repercussions of Magnetic Field along with uniform/non- uniform thermal profiles on the onset of Darcy-Rayleigh- Benard Convection under Local Thermal Non-Equilibrium in a Composite Layer	SHYAMALA VENKATRAMAN	6:00 PM – 6:10 PM
8	AbsID00184	HYBRID NANOFLUID FLOW OVER AN EXPONENTIALLY STRETCHING SURFACE IN THE PRESENCE OF RADIATION AND SLIP CONDITIONS	Diksha Sharma	6:10 PM – 6:20 PM
9	AbsID00186	APLICATION OF FRACTIONAL CALCULUS IN FLUID MECHANICS	Dr. Rajesh Kumar Maurya	6:20 PM – 6:30 PM

10	AbsID00189	HEAT ABSORPTION IMPACTS ON MHD FLOW OF NON-NEWTONIAN FLUID OVER AN UNBOUNDED PERPENDICULAR ABSORBENT PLATE.	N Ravi kumar	6:30 PM – 6:40 PM

Day-2: 5th October 2022

Time: 5:00 PM - 7:00 PM

Applied Mathematics Session-9

Meeting Link: https://tinyurl.com/yrh9k8vr

No	ABS ID	Title	Author	Timings
1	AbsID00190	Effect of Temperature gradient dependent Heat Source, secondary velocity on Mixed convective flow of Nanofluid Through Non-Darcy Porous Medium with Hall Currents over an Exponentially Stretching surface with non-linear thermal radiation.	Dr Gnanaprasunamba K	5:00 PM – 5:10 PM
2	AbsID00196	Triple-Diffusive Magneto–Rotatory Convection of Synovial Fluid through Porous Medium.	Dr Mahinder Singh	5:10 PM – 5:20 PM
3	AbsID00205	Stagnation point flow of Maxwell nanofluid over a rotating disk with activation energy and Joule heating.	Neha Vijay	5:20 PM – 5:30 PM
4	AbsID00206	Effects of exponential heat source and inclined magnetic field on stagnated point flow of pseudoplastic fluids using ternary hybrid nanoparticles	Shikha Chandel	5:30 PM – 5:40 PM
5	AbsID00207	Impact of Lorentz force on Peristaltic Flow of Phan-Thien-Tanner fluid through an Inclined Channel.	Shivaleela	5:50 PM – 5:50 PM
6	AbsID00208	Impact of partial slip on MHD peristaltic flow of Phan – Thien -Tanner fluid over an asymmetric channel.	Hanumantha	5:50 PM – 6:00 PM
7	AbsID00209	Peristaltic transport of a Casson nanofluid on MHD with heat convection through vertical non-uniform channel.	RATHOD KIRANKUMAR GULAB	6:00 PM – 6:10 PM
8	AbsID00211	Analysis of Electro Kinetically modulated peristaltic transport of MHD Jeffery fluid through a micro channel.	Shivaraya K	6:10 PM – 6:20 PM

9	AbsID00213	The Effect of MHD in a Maxwell Fluid over a Stretching Surface in the Presence of Suction/Injection Parameter.	LAKSHMI B. N.	6:20 PM – 6:30 PM
10	AbsID00217	Convective Cattaneo-Christov heat flux type of MHD Williamson nanofluid flow over a linearly stretching surface in the presence of thermal radiation.	Rekha K.	6:30 PM – 6:40 PM

Day-2: 5th October 2022

Time: 5:00 PM - 7:00 PM

Applied Mathematics Session-10

Meeting Link: https://tinyurl.com/5n7vjp6d

No	ABS ID	Title	Author	Timings
1	AbsID00219	Analytical Solution of Porous Medium Equation Using Homotopy Analysis Laplace Transform Method.	Dhara T. Patel	5:00 PM – 5:10 PM
2	AbsID00220	Analysis of Jenkins Model Ferro flow for Magnetic field dependent viscosity.	Meghashree G R	5:10 PM – 5:20 PM
3	AbsID00223	Dynamics of blood flow with overlap and tiny copper particles via a stenotic artery.	J U Viharika	5:20 PM – 5:30 PM
4	AbsID00224	Impact of Varying Viscosity and Thermal Conductivity on the Peristaltic transport of Rabinowitsch Fluid through a Non- uniform Channel.	Kalal Sangeeta Prakash	5:30 PM – 5:40 PM
5	AbsID00228	Analysis of Three Dimensional Mixed Convective MHD Jeffrey Nanofluid Flow over a Stretching Sheet	B Ramesh Bhat	5:50 PM – 5:50 PM
6	AbsID00127	Convergence analysis of Jarratt-type method of order six in Banach space.	Suma P B	5:50 PM – 6:00 PM
7	AbsID00164	Peristalsis of Eyring Powell Fluid with Variable Fluid Properties in an Inclined Channel	Prathiksha	6:00 PM – 6:10 PM
8	AbsID00165	Impact of variable liquid properties on peristaltic transport of Non-Newtonian fluid through a complaint nonuniform channel.	Anoop N K	6:10 PM – 6:20 PM
9	AbsID00232	Application of Keller-box method to the heat and mass transfer analysis of magnetohydrodynamic flow of micropolar fluid between porous parallel walls of different permeability	Param R. Tangsali	6:20 PM – 6:30 PM

Paper Presentation Schedule
Day-2: 5th October 2022
Time: 5:00 PM - 7:00 PM
Application of Numerical Methods in Fluid and Thermal Science – Session 6
Meeting Link: https://tinyurl.com/4w7xpejb

No	ABS ID	Title	Author	Timimgs
1	AbsID00043	Numerical Investigation on Dragonfly-Inspired Wing for Gliding Flight.	PRATHMESH P. VEREKAR	5:00 PM – 5:10 PM
2	AbsID00174	Influence of WSS, OSI and Vorticity in the investigation of patient-specific stenosed carotid bifurcation system	ABHILASH H N	5:10 PM – 5:20 PM
3	AbsID00083	A system and method for retrieving energy potential through Irrigation gate of an Agricultural Irrigation dependent hydro power plant	M. KURULEKAR	5:20 PM – 5:30 PM
4	AbsID00084	Improved Operation and Method of a Reaction Turbine for Enhancing Net Head	M. KURULEKAR	5:30 PM – 5:40 PM
5	AbsID00087	Effect on number of Blade on the Performance of the Vertical axis marine current turbine	DEBASHIS MOHANTY	5:50 PM – 5:50 PM
6	AbsID00095	Application of Nanobubbles in Wastewater Treatment: Applications, Challenges and Futuristic Developments	ARIJIT DUTTA GUPTA	5:50 PM – 6:00 PM
7	AbsID00106	Effect of fluid mechanics system in growth of crops using hydroponics technique compared to conventional system	SANIDHYA RANGANATH	6:00 PM – 6:10 PM
8	AbsID00168	Review Of Research on Aerodynamic Characteristics of Supercritical Airfoil SC (2)0414 Series in Transonic Flight	CATHERINE VICTORIA P	6:10 PM – 6:20 PM

No	ABS ID	Title	Author	Timings
9	AbsID00234	MULTIMODAL EVALUATION OF PHARYNGEAL AIRWAY CHANGES FOLLOWING TWO DIFFERENT MAXILLARY PROTRACTION PROTOCOLS USING PATIENT SPECIFIC MODELS – A COMPARATIVE STUDY	Dr. Supriya Nambiar	6:20 PM – 6:30 PM
10	AbsID00233	A COMPUTATIONAL ASSESMENT OF THE AIR FLOW CHARACTERISTICS IN NASAL AND ORAL BREATHERS USING PATIENT SPECIFIC MODELS	Dr. Supriya Nambiar	6:30 PM – 6:40 PM
11	AbsID00167	Variation Of Shear Stresses and Flow Dynamics in Stented Patient Specific Carotid Bifurcation Model Using Numerical Investigation	NEIL RICARDO ALMEIDA	6:40 PM – 6:50 PM

Day-2: 5th October 2022

Time: 5:00 PM - 7:00 PM

Application of Numerical Methods in Fluid and Thermal Science – Session 7

Meeting Link: https://tinyurl.com/2dzujt9r

No	ABS ID	Title	Author	Timimgs
1	AbsID00110	Behavior of Pedestrian Winds on Raised Terrains Under the Combined Effect of Twisted Wind Profile and Atmospheric Stratification	SIDDHARTH JENA	5:00 PM – 5:10 PM
2	AbsID00144	Preparation of stable nanofluids by surface modification of multi- walled carbon nanotubes	SHIVAKUMAR JAGADISH SHETTY	5:10 PM – 5:20 PM
3	AbsID00159	A Review on Targeted Drug Delivery Using Nano Particles for Treatment of Chronic and Acute Pain	SANDRA K S	5:20 PM – 5:30 PM
4	AbsID00187	Effect of Helix angle on pressure drop of air-non-Newtonian fluids flow in a constant curvature helical coil.	S. V. S. R. KRISHNA BANDARU	5:30 PM – 5:40 PM

5	AbsID00197	Computational Fluid Dynamic Study on Influence of Severe Stenosis on Local Hemodynamics in Aortoiliac Bifurcation	J. HARRIS	5:50 PM – 5:50 PM
6	AbsID00201	Electroosmotic flow of couple stress fluid through the membrane-based microchannel	ANJALI BHARDWAJ	5:50 PM – 6:00 PM
7	AbsID00010	Numerical investigation of multiple peristaltic waves on the three-dimensional unobstructed ureter	Laxmikant G Keni	6:00 PM – 6:10 PM
8	AbsID00075	THERMAL FLUID FLOW TRANSPORT CHARACTERISTICS IN PIPE FLOW USING GRAPHENE NANOFLUID	Shuichi TORII	6:10 PM – 6:20 PM
9	2682	Heat Transfer Enhancement in Tubular Heat Exchangers with Jet Impingement: A Review	Shital Waware and Sandeep Kore	6:20 PM – 6:30 PM
10	AbsID00235	ASSOCIATION OF MAXILLARY SINUS VOLUME AND DEGREE OF NASAL SEPTAL DEVIATION ON MAXILLOMANDIBULAR ARCH DIMENSIONS AND ASSESSMENT OF THE EFFECT OF ARCH EXPANSION ON MAXILLARY SINUS VOLUME,NASAL VOLUME AND NASAL AIRFLOW CHARECTERISTICS	Dr Asavari Desai	6:30 PM – 6:40 PM
11	AbsID00236	Study of X-pattern Crank-Activated 4-bar Fast Return Mechanism for Flapping Actuation in Flapping wing Drones	Spoorthi Singh	6:40 PM – 6:50 PM
12	AbsID00237	The characterisation of differential pressure-based flow sensor in microfluidic environment	SREEDEVI L K	6:50 PM – 7:00 PM