Program Schedule

International Conference on

Recent Advances in Modeling and Simulation Techniques in Engineering and Sciences (RAMSTES-2021)

December 8-10, 2021

Joining link: https://manipal-university-jaipur.webex.com/manipal-university-jaipur/j.php?MTID=m7f813d5bfb9e9445b855bac159fa0f98
(Event password: Manipal@123)

Manipal University Jaipur (MUJ), Jaipur, Rajasthan, India

Day 1: December 8, 2021 (Wednesday)

Inauguration

Inaugural Session RAMSTES 2021

Time Zone: IST	Speaker	Details
09:30 AM -09:35 AM	-	Saraswati Vandana
09:35 AM -09:38 AM	**Prof. Abhishek Sharma** Department of Chemical Engineering, MUJ	Opening remarks
09:38 AM -09:43 AM	**Dr. Dhaneshwar Mishra** Department of Mechanical Engineering, MUJ	About Conference and about MSRC
09:43 AM -09:45 AM	**Prof. Rahul Goyal** HoD, Mechanical Engineering, MUJ	About Department of Mechanical Engineering, MUJ
9.45 AM - 9.47 AM	**Prof. Shiva Prasad H. C., Director, SAMM**	About School of Automobile, Mechatronics, and Mechanical Engineering, MUJ
09:47 AM -09:49 AM	**Prof. Bhavna Tripathi** Director, School of Civil & Chemical Engineering	About School of Civil and Chemical Engineering, MUJ
09:49 AM -09:53 AM	**Prof. Rajveer Singh Shekhawat** Dean, Faculty of Engineering	About Faculty of Engineering, MUJ
09:53 AM -10:00 AM	**Prof. N. N. Sharma** Pro-President, MUJ	Research highlights of MUJ
10:00 AM -10:10 AM	**Prof. G. K. Prabhu** President, MUJ	President's Address

	10:10 AM -10:25 AM	Guest of Honor, S. Bharathan Head, R&D HP Green R&D Center, Bengaluru	Importance of Simulation and Modeling in Engineering and Sciences
	10:25 AM -10:30 AM	**Dr. Ashish K. Srivastava** Co-Convener RAMSTES 2021	Vote of Thanks

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International Conference on

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December 8-10, 2021

Manipal University Jaipur (MUJ), Jaipur, Rajasthan, India

Detailed schedule of Plenary/ Keynote sessions and Presentations by Authors

Time Zone: IST	Speaker	Details
11:00 AM -12:00 noon (8 Dec)	**Prof. Vishnu Pareek** Dean of Engineering, Curtin University, Australia	Plenary Session Topic: Additive Process Engineering Session Chair: Prof. Abhishek Sharma Joining Link: https://manipal-university-jaipur.webex.com/manipal-university-jaipur/j.php?MTID=m7f813d5bfb9e9445b855bac159fa0f98 Event password: Manipal@123
High-Tea Break (12:00 Noon – 12:30 PM)		
12:30 PM -01:15 PM (8 Dec)	**Prof. Alain Bernard** **Emeritus Professor, Centrale Nantes, France**	Keynote Lecture Topic: **Product-Service Systems Lifecycle Management: Concepts and applications** Session Chair: Dr. Ravi Kumar Gupta Joining Link: https://teams.microsoft.com/l/meetup-join/19%3aS2AMKcbr2N285nsjVnAtCVq-FB49eOWjKafC0llbzeA1%40thread.tacv2/1638777475626?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%2235a3529d-775c-4bb7-be60-b81b7620b09c%22%7d
Lunch Break (1:15 – 2:30 PM)		
02:30 PM -05:00 PM (8 Dec)	**Session 1: Chemical Engineering** **(10 min presentation + 2 min Q&A)**	Invited Talk Prof. Madhusree Kundu, Chemical Engineering Department, NIT Rourkela *"Adaptation of Block Pulse function and Fractional order description of dynamic process in simulation and control"* Session Chair: Prof. Madhusree Kundu Session Coordinator: Dr. Shaik Hussain

			Joining Link: https://teams.microsoft.com/l/team/19%3a7ahFQePLPTyLbJZFqZDqHVQjf-lHKOME25_wUKwSW5s1%40thread.tacv2/conversations?groupId=e3922d30-d0c0-4e87-a481-633707ad418a&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761
	02:30 PM -05:00 PM (8 Dec)	**Session 2: CFD, Thermal and Wear Analysis (10 min presentation + 2 min Q&A)**	Invited Talk Dr. Oayes Midda, Chemical Engineering, MNIT Jaipur *"Progress of Pinch analysis in energy and material integration for process industries"* Session Chair: Dr. Oayes Midda Session Coordinator: Dr. Harsh Pandey Joining Link: https://teams.microsoft.com/meetingOptions/?organizerId=e25497a3-55de-4166-851c-9eefac148cb1&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_0KdPlZ9Ealw0bo3uxXpwcFXlj4ZuTqr6yX2ItCbkTp81@thread.tacv2&messageId=1638859500256&language=en-US
	9:30 AM -10:15 AM (9 Dec)	**Prof. Prof. K. Ravi-Chandar M.C. (Bud) and Mary Beth Baird Endowed Chair, University of Texas, Austin, USA**	Keynote Lecture *"Experiments and Numerical Simulations of Initiation and Growth of Cracks Under Mixed Mode I + III Loading"* **Remarks: Video Presentation** Session Coordinator: Mr. Charanjeet Singh Joining Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjBjMWIxMWQtYzlhYi00YjFkLTg0MGQtNjUzYzVjZGRiNzlm%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%22217c4d92-c7c8-4df6-8641-334dace53264%22%7d
	10:30 AM -1:30 PM (9 Dec)	**Session 3: Applications of AI, ML, CV, and Smart Systems (10 min presentation + 2 min Q&A)**	Session Chair: Dr. Akhilesh Sharma Joining Link: https://teams.microsoft.com/meetingOptions/?organizerId=ab2bb84d-e515-4575-b362-d98bcc54c719&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_6zmqDO8hlbFVfz3tWD_1YQO8jXTOpc4cwMgMN6sg-Vg1@thread.tacv2&messageId=1638862326962&language=en-US
	10:30 AM -1:30 PM (9 Dec)	**Session 4: Session: Design, and Analysis (10 min presentation + 2 min Q&A)**	Session Chair: Prof. Ashok Kumar Sharma
	2:30 PM -3:15 PM (9 Dec)	**Prof. Sandeep Chaudhary, Professor, Civil Engineering, IIT Indore**	Keynote Lecture *"AI Applications in Steel-Concrete Composite Structures"* Session Chair: Prof. Bhavna Tripathi

			Joining Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmNiY2NmMzctYmUwMC00MzA3LTg0NzItMDk2NmU4NzVmYzFj%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%22ddef3b29-239c-415c-aca5-ed5bf8ee4721%22%7d
	2:30 PM -3:15 PM (9 Dec)	**Prof. Anoop Kumar Mukhopadhyay** **Dean Faculty of Science,** **Manipal University Jaipur, India**	Keynote Lecture *"Scale and Rate Dependent Issues in Deformation and Fracture of Glass, Glass-Ceramics and Ceramics: An Overview"* Session Chair: Dr. Dhaneshwar Mishra Joining Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjBjMWIxMWQtYzlhYi00YjFkLTg0MGQtNjUzYzVjZGRiNzlm%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%22217c4d92-c7c8-4df6-8641-334dace53264%22%7d
	3:30 PM -5:30 PM (9 Dec)	**Session 5: Civil Engineering** **(10 min presentation + 2 min Q&A)**	Invited Talk Dr. Ajanta Goswami, Department of Earth Sciences, IIT Roorkee Session Chair: Dr. Ajanta Goswami Session Coordinator: Dr. Parvez Akhter Joining Link: https://teams.microsoft.com/meetingOptions/?organizerId=0cf7a46b-90cd-4e00-acf9-b61b9772433b&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_ngsxvUtiP9pANGaTX2LdB1iSiT1vdDoYTOTSBrHANBc1@thread.tacv2&messageId=1638861282381&language=en-US
	3:30 PM -5:30 PM (9 Dec)	**Session 6: Biomechanics and Biomaterials** **(10 min Presentation + 2 min Q&A)**	Session Coordinator: Dr. Rakesh Kumar
	9:30 AM -10:15 AM (10 Dec)	**Prof. Shamsher Bahadur Singh, Department of Civil Engineering, BITS Pilani**	Keynote Lecture **"Structural Applications of Engineered Cementitious Composite"** Session Chair: Prof. Subrata Bandhu Ghosh
	9:30 AM -10:15 AM (10 Dec)	**Prof. S. Gopalakrishnan, Aerospace Engineering, IISC Bangalore**	Keynote Lecture **"Understanding Wave Motion in Biological Suture Structures through Modelling and Simulation"** Session Chair: Dr. Veena Dhayal

	10:30 AM -1:30 PM (10 Dec)	**Session 7: Optimization, and Product Development (10 min presentation + 2 min Q&A)**	Session Chair: Dr. Sumit Gupta, Amity University, Noida Session Coordinator: Dr. Saurabh Devangan
	10:30 AM -1:30 PM (10 Dec)	**Session 8: Continuum Scale, and Lower Scale Simulations (10 min presentation + 2 min Q&A)**	Session Coordinator: Dr. Abhishek Sharma Joining Link: https://teams.microsoft.com/l/team/19%3aq4a-ZT9sxVWOv9qHckpPCXMgk9NIG2gSMI41a7nW8lg1%40thread.tacv2/conversations?groupId=e2ea2d8b-aebe-4e4d-8267-0c6545204e38&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761
	2:30 PM -3:15 PM (10 Dec)	**Prof. Vivek Dua** **Department of Chemical Engineering** **University College London, London**	Keynote Lecture ***"First-principles informed data-driven modelling for process and healthcare systems"*** Session Chair: Prof. Subrata Bandhu Ghosh
	3:30 PM -4:00 PM (10 Dec)	**Valedictory**	

Presentation Schedule

02:30 PM -05:00 PM
(8/12/21)

Session Chair: Prof. Madhusree Kundu
Session Coordinator: Dr. Shaik Hussain (Ph.: 8885237262)

Joining Link
https://teams.microsoft.com/l/team/19%3a7ahFQePLPTyLbJZFqZDqHVQjf-lHKOME25_wUKwSW5s1%40thread.tacv2/conversations?groupId=e3922d30-d0c0-4e87-a481-633707ad418a&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761

Session: 1:	Chemical Engineering and Chemistry		
RAMSTES-2101-CH	Pooja Sahu	IIT Madras	Structure, Hydration and Thermodynamics Behavior of Symmetric Poly(styrene)-block-Poly(methacrylic acid) Diblock Copolymer in Salt-Free Aqueous Solution: A Molecular Dynamics Simulation Study
RAMSTES-2102-CH	P Ramakrishnan	NIT Rourkela	Modelling the diffusion mass transfer in high temperature Solid Oxide Fuel Cell using binary friction model
RAMSTES-2103-CH	Desai Hari	IIT Madras	A DFT Study on Ca-Alginate Interactions with d Block Metal Ions
RAMSTES-2104-CH	K Sunil Kumar	DRDO Hyderabad	EXPLICIT DYNAMICS SIMULATIONS ON HIGH EXPLOIVE SYSTEMS
RAMSTES-2105-CH	Ishita Chopra	MUJ	Recent advances in epoxy coatings for corrosion protection of steel: Experimental and modelling approach
RAMSTES-2109-CH	Kanchan Drugkar	MUJ	Bio-oil separation using HYSYS modeling tool
RAMSTES-2144-CH	Naidu Sowkhya, Abhishek Sharma	MUJ	REVIEW ON BIOMASS PYROLYSIS STUDIES USING COMPUTATIONAL FLUID DYNAMICS

02:30 PM -05:00 PM (8 Dec)

Session Chair: Dr. Oayes Midda
Session Coordinator: Dr. Harsh Pandey (Ph.: 9793549975

https://teams.microsoft.com/meetingOptions/?organizerId=e25497a3-55de-4166-851c-9eefac148cb1&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_0KdPlZ9Ealw0bo3uxXpwcFXlj4ZuTqr6yX2ItCbkTp81@thread.tacv2&messageId=1638859500256&language=en-US

Session: 2: CFD, Thermal and Wear Analysis

RAMSTES-2101-ME	Saurabh Dewangan	MUJ	Analytical study of temperature variation and estimation of heat affected zone in arc welded low carbon steel plates
RAMSTES-2102-ME	Saurabh Dewangan	MUJ	Microstructural analysis into TIG welded joint of Ti-6Al-4V alloy
RAMSTES-2105-ME	Dr. Anil Singh Yadav	Lakshmi Narain College of Technology (LNCT), Bhopal	THE INFLUENCE OF ARTIFICIAL ROUGHNESS SHAPE ON HEAT TRANSFER ENHANCEMENT
RAMSTES-2119-ME	Anil Singh Yadav	Lakshmi Narain College of Technology (LNCT), Bhopal	CFD BASED HEAT TRANSFER CORRELATION FOR RIBBED SOLAR AIR HEATER
RAMSTES-2140-ME	S.Baskara, Abhishek Sharma	Vels Institute of Science, Technology	Study on Tribological Characteristics of Bio-Lubricant formed from Brassica Napus Oil
RAMSTES-2141-ME	Dr. Abhishek Sharma	MUJ	Application of Optimization Technique Approach in Internal Combustiongine
RAMSTES-2157-ME	Jalees Ahemad	Shri Jagdishprasad Jhabarmal Tibrewala University (SJJTU), Jhunjhunu, Rajasthan	Tribological behaviour of stir cast LM25/Flyash /SiC composite using Taguchi method

10:30 AM -1:30 PM (9 Dec)

Session Chair: Dr. Akhilesh Sharma (Ph. 7987628589)

https://teams.microsoft.com/meetingOptions/?organizerId=ab2bb84d-e515-4575-b362-d98bcc54c719&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_6zmqDO8hlbFVfz3tWD_1YQO8jXTOpc4cwMgMN6sg-Vg1@thread.tacv2&messageId=1638862326962&language=en-US

Session: 3	Applications of AI, ML, CV, and Smart Systems		
Paper ID	**Author/Presenter**	**Department**	**Title**
RAMSTES-2101-CS	Devershi Pallavi Bhatt	Computer Applications, M	School Children Safety System using RFID and IoT (SCSS)
RAMSTES-2101-EC	Dr Vinayambika S Bhat	Electronics & Communica	Surveillance Robot for Real Time Monitoring
RAMSTES-2108-CV	Charanjeet Singh	Civil, MUJ	Concrete Surface Crack Detection System Through OpenCV Library
RAMSTES-2110-CV	Dr. Vidhi Vyas	CRRI/ BITS Pilani	Modeling asphalt pavement condition using artificial neural networks
RAMSTES-2106-MT	Kuriakose A Jacob	MIT , Manipal	Gesture Recognition Based Virtual Mouse Using OpenCV and Python
RAMSTES-2108-MT	Keshav Kejriwal/Ankur Jaiswal	MAHE, Manipal	Optimization of Attribution Processes using Novel Pixel-Value Based Color Detection Approach
RAMSTES-2103-MT	Anshuman Vyas/Hemant Kumar	MUJ	Design and Development of Smart Safety and Navigation System for Motorbikes and Two Wheelers
RAMSTES-2104-ME	Dr. Raghavendra Kamath C, Ganesha	MIT Manipal	Comparative study on classification of machined surfaces using ML techniques applied to GLCM based image features
RAMSTES-2101-MT	Rayyan Muhammad Rafikh, Ankur J	MIT	Position Error Estimation and Compensation of 3-DOF Delta Robot under link tolerances
RAMSTES-2105-MT	Atirav Seth	MIT	Design and Simulation of 6-DOF Cylindrical Robotic Manipulator Using Finite Element Analysis

10:30 AM -1:30 PM
(9 Dec)

Session:4: Design, and Analysis			Session Chair: Prof. Ashok Kumar Sharma (Ph.: 09414870686)	https://teams.microsoft.com/l/channel/19%3a9Xp8EjdT7u_w0Me70tCB2vu6UN2TeyCLQCoPybqN0G01%40thread.tacv2/General?groupId=9726ac5a-29ce-4e83-8bd0-25b9839d73f7&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761
RAMSTES-2102-MT	Sidhant Barai/Ankur Jaiswal/	MAHE, Manipal	Positional Error Analysis of 3-RPR Planar Parallel Manipulator under the Influence of Tolerances	

RAMSTES-2126-ME	Dheer Singh	Shiv Nadar University	Influence of Geometric Imperfections on the Free Vibrational Response of the Functionally Graded Material Sandwich Plates with Circular Cut-outs
RAMSTES-2121-ME	Pankaj Kumar Sharma	DTU, Delhi	INVESTIGATIONS ON EFFECT OF BENDING RADIUS ON SPRINGBACK BEHAVIOUR OF THREE-PLY CLAD SHEET
RAMSTES-2134-ME	Chetan Mahatme, Ashish Bhagat	Yeshwantrao Chavan College of Engineering, Nagpur	Comparative analysis of different lattice topologies for cellular structure optimization in additive manufacturing
RAMSTES-2142-ME	Dr. Abhishek Sharma	MUJ	Design And Analysis of Compact Paddy Harvester Machine
RAMSTES-2138-ME	Abhishek Prashant Singh, Anoop Ku	MUJ	Effect of Misfit Strain on Indentation Deformation in a Thin Film Deposited on a Substrate: A Finite Element Analysis based Investigation
RAMSTES-2137-ME	Ashish Kumar Srivastava	MUJ	Effect of Layering on the Elastic Modulus of Boron Nitride Nano-sheet Reinforced Copper Nanocomposite: A Molecular Dynamics Study
RAMSTES-2139-ME	Yessar Khan, Ashok Kumar Sharma	MUJ	Optimization of Sustainable Alternatives of Composite Wooden board Materials: A literature review
RAMSTES-2136-ME	Ashu Yadav	MUJ	Design and Analysis of an Electric Bike Chassis
RAMSTES-2155-ME	Saurabh Dewangan	MUJ	Study and comparison of microstructures in Ti-alloy before and after the heat treatment

3:30 PM -5:30 PM
(9 Dec)

Session: 5: Civil Engineering	Session Chair: Dr. Ajanta Goswami Session Coordinator: Dr. Parvez Akhter (Ph.: 9110934856)	https://teams.microsoft.com/meetingOptions/?organizerId=0cf7a46b-90cd-4e00-acf9-b61b9772433b&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761&threadId=19_ngsxvUtiP9pANGaTX2LdB1iSiT1vdDoYTOTSBrHANBc1@thread.tacv2&messageId=1638861282381&language=en-US

RAMSTES-2101-CV	K PRAVEEN	NIT PATNA	STUDY OF SOIL EROSION IN SONE COMMAND AREA USING REMOTE SENSING AND GIS TECHNIQUES
RAMSTES-2104-CV	Dr. Venkatesan J	CSIR-Structural Engineer	Damage characteristics of semi-infinite aluminum targets subjected to normal and oblique projectile impact
RAMSTES-2105-CV	Dhanalakshmi	MIT , Manipal	Parametric study on Laterite prism under uniaxial Compression through numerical modelling
RAMSTES-2112-CV	Hemant Singh Rathore	MUJ	Seismic Analysis of an Irregular Building with re-entrant corners
RAMSTES-2113-CV	Kranthi Vijaya	Vignan's Institute of Information Technology	Buckling and Post-buckling analysis of hybridized natural fiber reinforced polymer laminates
RAMSTES-2114-CV	Prachi Kushwaha	SKIT, Jaipur	Design and Enhancement of City Park Transport Infrastructure Facilities
RAMSTES-2115-CV	Shaik Hussain	MUJ	Effect of Various Diagonal Strut Widths on a Building subjected to Linear Static Earthquake Load
RAMSTES-2117-CV	M.P. Akhtar/Harsh Pandey	MUJ	Data based model development on swelling characteristics of expansive earth material from selected sites under West Bengal region in India
RAMSTES-2147-CV	Preethi Gopalakrishnan	Sri krishna college of engineering and technology	Indoor Air Quality In Residential Building-An Comprehensive Review In Global Aspects
RAMSTES-2161-CV	Abdullah H. Alsabhan	Civil Engineering Department	Response of deep foundation due to fluctuation in ground water table

3:30 PM -5:30 PM
(9 Dec)

Session: 6: Biomechanics, and Biomaterials

Session Coordinator: Dr. Rakesh Kumar (Ph.: 7073352542)

RAMSTES-2107-MT	Goutham Manoharan, Pallavi Rao U	MIT	DESIGN OF FORELIMB PROSTHETIC FOR QUADRUPEDS
RAMSTES-2103-ME	Abhijit Vyas	MUJ	Photopolymerizable resin based 3D printed biomedical composites: Effect of resin viscosity

RAMSTES-2107-ME	Dr. Raviraja Adhikari	MIT	Finite element modelling of intervertebral disc using the T2 mapped MRI
RAMSTES-2108-ME	Dr. Neeraj Sharma, Sunny Dayal	Maharishi Markandeshwa	Experimental investigation of WEDM Process Parameters for magnesium alloy AZ31 Biomedical Material
RAMSTES-2109-ME	Dr. Neeraj Sharma, Rahul Panwar	Maharishi Markandeshwa	Experimental Investigation of WEDM Control Parameters for AZ61 Mg alloy using ANN Modeling
RAMSTES-2122-ME	Harsha Pandey, Dazan Fernandes, DI	MUJ	Numerical Investigation on Stresses and Delamination in Novel Material Structure Inspired from First Hierarchy of Human Bone
RAMSTES-2127-ME	Madhav Kumar Jhaa	Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida (INDIA).	Material Selection for Biomedical Application in Additive Manufacturing Using TOPSIS Approach
RAMSTES-2128-ME	Madhav Kumar Jhaa	Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida (INDIA).	Selection and Prioritization of weaving structure of reinforced fiber for better performance of polymeric composites

10:30 AM -1:30 PM
(10 Dec)

Session: 7: Optimization, and Product Development

Session Chair: Dr. Sumit Gupta, Amity University, Noida
Session Coordinator: Dr. Saurabh Devangan (Ph. : 7205597687)

RAMSTES-2116-ME	Sahil Dayal, N K Batra	Maharishi Markandeshwa	Experimental investigation and statistical modelling of cutting speed in AL6063-W composite by Wire EDM process
RAMSTES-2118-ME	Sunny Dayal, Rahul Dev Gupta	Maharishi Markandeshwa	Process Optimization of Carburetor Die Casting Process
RAMSTES-2120-ME	Alzahraa Rami Alhyari, Ravi Kumar Gupta	MUJ	Sustainable Product Development for Elderly

RAMSTES-2125-ME	Anil Singh Yadav	Lakshmi Narain College of Technology (LNCT), Bhopal	CFD ANALYSIS OF HEAT TRANSFER PERFORMANCE OF RIBBED SOLAR AIR HEATER
RAMSTES-2114-ME	Dr. Anil Singh Yadav	Lakshmi Narain College of Technology (LNCT), Bhopal	Recent Advances in Modeling and Simulations Techniques Used in Analysis of Air Heaters Having Ribs
RAMSTES-2143-ME	Dharmendra Kumar	MUJ	Effect of Powder Mixed Dielectric Medium in Electrical Discharge Machining - A Review
RAMSTES-2149-ME	Saurabh Dewangan	MUJ	Selection of an optimum tilt angle of the conical cutting tool used for linear coal cutting process
RAMSTES-2151-ME	Saurabh Dewangan	MUJ	Modelling and simulation of heat distribution and stress generation during friction stir welding of AA-6082 plates
RAMSTES-2131-ME	Dr. Tarang Shinde	Finolex Academy of Man	Fatigue analysis of alloy wheel using cornering fatigue test and its weight optimization
RAMSTES-2156-ME	Saurabh Dewangan	MUJ	Types and trend of Welding defects and its mitigation in construction of an Electro-Static Precipitator

10:30 AM -1:30 PM
(10 Dec)

Session: 8: Continuum Scale, and Lower Scale Simulations

Session Chair: Dr. Neeraj Sharma, Maharishi Markandeshwar University
Session Coordinator: Dr. Abhishek Sharma (Ph. : 8249588150)

https://teams.microsoft.com/l/team/19%3aq4a-ZT9sxVWOv9qHckpPCXMgk9NIG2gSMI41a7nW8lg1%40thread.tacv2/conversations?groupId=e2ea2d8b-aebe-4e4d-8267-0c6545204e38&tenantId=a1608842-8390-4bfb-90af-89ae3ab30761

RAMSTES-2129-ME	Vipin Kumar	MUJ	Memristive and biological synaptic behavior in transition metal dichalcogenide-WS2 nanostructures: a review
RAMSTES-2132-ME	Vipin Kumar	MUJ	Electronic Properties of Pure and Doped NbS2 and WS2 Monolayers
RAMSTES-2152-ME	Saurabh Dewangan	MUJ	Modelling and simulation of stress generation and temperature distribution in conical picks during linear coal-cutting process

RAMSTES-2153-ME	Yash Agrawal	MUJ	MARBLE DUST FILLED ALUMINIUM METAL ALLOY COMPOSITES IN BEARING APPLICATION: A REVIEW
RAMSTES-2101-MA	Dr. Akmal Husain	Department of Mathemati	Solution of One-dimensional Weak Shock Wave Problem in a Non-ideal Dusty Medium: An Analytical Approach","Full postal Address
RAMSTES-2135-ME	DEEP VIPUL PATEL/DHAVAL B.	Nirma University	Design and FE Analysis of Chassis for Solar Powered Vehicle
RAMSTES-2150-MA	Guman singh	MUJ	Combinatorial Optimization of supply chain networks: A retrospective literature review
RAMSTES-2158-ME	Saurabh Dewangan	MUJ	Study and Implementation of Lean Manufacturing Strategies: A Literature Review
RAMSTES-2160-ME	Saurabh Dewangan	MUJ	ENHANCING GRINDING PARAMETERS OF TC4 SUPERALLOY BY USING HYBRID ECO-FRIENDLY COOLING SYSTEM
RAMSTES-2154-ME	Saurabh Dewangan	MUJ	Preliminary investigation into temperature-hardness relationship in low-carbon steel after pack carburizing