



**Institute of Infrastructure, Technology,
Research And Management**

(An Autonomous University Established by Government of Gujarat)



**Space Society of Mechanical Engineers
(SSME)**

Space Applications Centre, ISRO Ahmedabad



2nd International Conference

on



**Futuristic Advancements in Materials, Manufacturing and Thermal Sciences
(ICFAMMT-24)**

Organized by

IITRAM, Ahmedabad and SSME, (SAC, ISRO), Ahmedabad

January 19-21, 2024



ONLINE PROGRAM SCHEDULE

Sponsoring Partners



SUN FIBO TECHNOLOGY PVT LTD



Online Presentation Session-1

Design & Automation

11:30-01:00 PM

20/01/2024

Joining Link:

<https://www.microsoft.com/en-in/microsoft-teams/join-a-meeting>

Meeting ID: 441 861 175 474

Passcode: Zusi2G

Session Chair: Dr. RM Raghavendra

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	P M SUBRAMANIAN	ADVANCEMENTS IN DESIGN OF SEMI-ACTIVE SUSPENSION CONTROL SYSTEM DURING PRE AND POST COVID-19 -A REVIEW OF RESEARCH	11:30-11:40 AM
2	SHIVANSH KATTYAYAN	LEAKAGE DETECTION IN METAL STORAGE DRUMS (MS) DRUMS: A COMPREHENSIVE REVIEW OF METHODS AND TECHNOLOGIES	11:40-11:50 AM
3	JIGO JOSE	PERFORMANCE EVALUATION OF POWDER-LUBRICATED JOURNAL BEARING USING FDM AND CFD TECHNIQUE	11:50-12:00 AM
4	ATHARVA HIMANSHU SAPRE	FREQUENCY RESPONSE ANALYSES OF 1U CUBESAT UNDER RANDOM VIBRATION CONDITION	12:00-12:10 AM
5	DEVAKANT BAVISKAR	DESIGNING A PIEZO-ACTUATED FOUR-BAR MOTION AMPLIFICATION MECHANISM FOR ENHANCED COMPLIANCE	12:10-12:20 AM
6	PRASANNA RAUT	DESIGN OF FLEXURAL BEARINGS IN EXPERIMENTAL ANALYSIS AND PID CONTROL OF A VOICE COIL ACTUATOR	12:20-12:30 PM
7	ADITYA GUJARE	DESIGN EVALUATION OF SPLINTED AND NON-SPLINTED CROWN OF DENTAL IMPLANT TO IMPROVE STRESS DISTRIBUTION AT BONE-IMPLANT INTERFACE USING FEA	12:30-12:40 PM
8	CHINMAY KUMAR PATRA	ANTARCTICA GROUND STATION FOR EARTH OBSERVATION SATELLITES: A REVIEW OF THE ANTENNA TRACKING SYSTEM	12:40-12:50 PM
9	SIDDHITA YADAV	ASSESSING MONTHLY AND SEASONAL WIND POWER POTENTIAL IN NORTH INDIA: A COMPARATIVE ANALYSIS OF VARIOUS LOCATIONS	12:50-01:00 PM

Online Presentation Session-1

Thermal & Fluid

11:30-01:00 PM

20/01/2024

Joining Link:

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Meeting ID: 463 845 676 628

Passcode: ZYqkRH

Session Chair: Dr. Manoj Kumar Gupta

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	GANESH SAHADEO MESHARAM	NUMERICAL INVESTIGATION ON FLUID FLOW THROUGH PATTERNED MICROCHANNELS USING LATTICE BOLTZMANN METHOD	11:30-11:40 AM
2	YATINDRA KUMAR	CFD MODELING AND EFFECT OF RADIAL DISTRIBUTION FUNCTION ON SLURRY TRANSPORT PARAMETERS	11:40-11:50 AM
3	MENAKA ATTMAJA RAY	NUMERICAL INVESTIGATION OF EFFECT OF INCLINATION ON BUBBLE INCEPTION	11:50-12:00 AM
4	ALOK RAJ	EFFECT OF JET ANGLE ON THERMO HYDRAULIC PERFORMANCE OF A MOVING STEEL STRIP WITH 78 CIRCULAR NOZZLE JET IMPINGEMENT	12:00-12:10 AM
5	ABHIK MUKHOPADHYAY	A REVIEW ON THE EFFECT OF DIFFERENT PERFORMANCE PARAMETERS OF H-DARRIEUS TURBINE	12:10-12:20 AM
6	SUDHIR KUMAR SINGH	POOL BOILING EXPERIMENTS IN GRAPHENE, GRAPHENE-OXIDE AND REDUCED GRAPHENE-OXIDE NANOFUID	12:20-12:30 PM
7	SUDHIR KUMAR SINGH	PRODUCTIVITY ENHANCEMENT OF SOLAR STILL USING SHALLOW SOLAR POND	12:30-12:40 PM
8	AMITAVA DUTTA	PARTICLE SEPARATION IN A VISCOELASTIC MEDIUM FLOWING THROUGH A GROOVED MICROCHANNEL USING CONTACTLESS DIELECTROPHORESIS	12:40-12:50 PM
9	SANKET REVANKAR	NUMERICAL AND EXPERIMENTAL INVESTIGATION OF AIRFOIL DERIVED FROM EAGLE	12:50-01:00 PM

Online Presentation Session-1

Materials & Composites

11:30-01:00 PM

20/01/2024

Joining Link:

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Meeting ID: 496 707 434 026

Passcode: KHLiEy

Session Chair: Dr. Anil Singla

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	NITISH KUMAR	EXPLORATION OF FAILURE AND DELAMINATION DAMAGE ANALYSIS OF ADHESIVE BONDED COMPOSITE JOINTS	11:30-11:40 AM
2	DR DINESH N KAMBLE	AN EXPERIMENTATION ON FRICTION WELDING OF ALUMINUM ALLOY WITH DISSIMILAR METALS TO DETERMINE WELD STRENGTH OF THE JOINT.	11:40-11:50 AM
3	ARUN KUMAR	TRIBOLOGICAL AND THERMAL BEHAVIOUR OF LOW LOADINGS CARBONACEOUS FILLER REINFORCED EPOXY NANOCOMPOSITES	11:50-12:00 AM
4	MOHAMMAD ZAKI UMAIR	IMPACT OF ADDING MANGANESE AS A REINFORCEMENT ON THE PROPERTIES OF ALUMINIUM METAL HYBRID MATRIX COMPOSITES	12:00-12:10 AM
5	KUMPATI KUMAR SARATH	INVESTIGATING THE POTENTIAL OF AZ91E IN BIOMEDICAL APPLICATIONS: A COMPREHENSIVE REVIEW	12:10-12:20 AM
6	ANANT KUMAR	EXPERIMENT ON MODIFIED BITUMINOUS ROAD WITH ADDITIVE WASTE MATERIAL	12:20-12:30 PM
7	BALAJI K	CHARACTERISATION STUDY OF NATURAL FIBERS AND GLASS FIBERS AN EXPERIMENTAL APPROACH	12:30-12:40 PM
8	HARSH KUMAR SAHU	FIBRE REINFORCEMENT IN CONCRETE USING CORN HUSK	12:40-12:50 PM
9	NABILA TABASSUM	MOLECULAR DYNAMIC SIMULATIONS TO PREDICT STRUCTURAL AND THERMOMECHANICAL PROPERTIES OF BCC PHASE ALCOCRFENI HIGH ENTROPY ALLOY	12:50-01:00 PM

Online Presentation Session-1

Manufacturing

11:30-01:00 PM

20/01/2024

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Meeting ID: 459 694 548 135

Passcode: 79w6qp

Session Chair: Dr. Harshit K. Dave

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	YASHVIR SINGH	EFFECT OF NANOPARTICLES CONCENTRATION ON THE LUBRICANT OILINESS - A REVIEW	11:30-11:40 AM
2	BUKKE KIRAN NAIK	FEASIBILITY ANALYSIS OF HYBRID BAYESIAN NETWORK FOR OPTIMAL WEDM PROCESS PARAMETERS PREDICTION TO FABRICATE SINGLE CRYSTAL TUNGSTEN	11:40-11:50 AM
3	MR. RAHUL RAJU KUNDIYA	A REVIEW ON HIGH-SPEED MICRO MILLING OF SHAPE MEMORY ALLOY (NITINOL): PROCESS AND POST PERSPECTIVES	11:50-12:00 AM
4	ASHISH PAWAR	EXPERIMENTAL INVESTIGATIONS FOR EFFECTS OF HOLE PROFILES ON HIGH TEMPERATURE TITANIUM ALLOYS USING HYBRID ECM	12:00-12:10 AM
5	ROHAN NIRWAL	INVESTIGATION OF CHIP THICKNESS AND SHEAR ANGLE DURING TURNING AISI 304 STAINLESS STEEL.	12:10-12:20 AM
6	NITIN SHASHIKANT MOTGI	A REVIEW ON SELF-PROPELLED ROTARY TOOLS: A COMPARATIVE WITH FIXED-TOOL MACHINING, MODELING, DESIGN, AND DEVELOPMENTS	12:20-12:30 PM
7	B G KOUJALAGI	METHODS AND MATERIALS FOR METAL ADDICTIVE MANUFACTURING: A CRITICAL REVIEW ON AERONAUTIC AND AEROSPACE SECTORS	12:30-12:40 PM
8	SACHIN NARAYAN SAWANT	MULTI RESPONSE OPTIMIZATION OF THE MACHINING PARAMETERS OF DRILLING OF TI-6AL-4V ALLOY USING TAGUCHI GREY RELATIONAL ANALYSIS	12:40-12:50 PM
9	KANAIYA BHATT	INTEGRATED PHOTOELECTRIC COLOR SENSOR-BASED SMART INVENTORY SYSTEM	12:50-01:00 PM

Online Presentation Session-2

Design & Automation

03:15-05:15 PM

20/01/2024

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Meeting ID: 441 861 175 474

Passcode: Zusi2G

Session Chair: Dr. Sahil Kalra

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	DR. RAVI KUMAR GUPTA	MODELING AND SIMULATION OF SELF-STABILIZING PLATFORM FOR INDUSTRIAL APPLICATION	03:15-03:25 PM
2	PRAVEEN RATHOD	DESIGN AND OPTIMIZATION OF RAILWAY POWER AXLE SYSTEM FOR STRUCTURAL SAFETY	03:25-03:35 PM
3	DR. BHASURU ABHINAYA SRINIVAS	METHODOLOGY FOR WALL THICKNESS VALIDATION WITH STRESS ANALYSIS OF CLO2 GENERATOR PIPING SYSTEM	03:35-03:45 PM
4	DEEPAK KUMAR SINGH	FINITE ELEMENT ANALYSIS OF HYDROSTATICALLY LOADED STIFFENED PLATES USING ANSYS WORKBENCH	03:45-03:55 PM
5	DEBJIT BHADRA	NUMERICAL INVESTIGATION ON MAGNETIC ATTITUDE CONTROL SYSTEM (MACS) OF NANOSATELLITE USING APPROXIMATE SEQUENCE OF RICCATI EQUATIONS	03:55-04:05 PM
6	ANUSHKA SURYAVANSHI	ENHANCING EFFICIENCY IN CAR TRANSFERRING WHEELCHAIR MECHANISMS: A COMPREHENSIVE REVIEW AND FUTURE DIRECTIONS	04:05-04:15 PM
7	SHRIKANT CHANDRAKANT MAHADIK	ENVISIONING THE FUTURE OF ROBOTICS SENSORS: INNOVATIONS AND PROSPECTS	04:15-04:25 PM
8	ABHISHEK RUDRA PAL	EMG CONTROLLED UPPER ARM EXO-SKELETON POWERED BY PNEUMATIC ARTIFICIAL MUSCLE	04:25-04:35 PM
9	GUNASEKAR. S	INTELLIGENT MEDICINE ALERTING SYSTEM BASED ON VARIOUS COMMUNICATION CHANNELS	04:35-04:45 PM
10	PRITHVIRAJ JADHAV	HOME AUTOMATION SYSTEM WITH MULTIPLE CONTROL ACCESS USING IOT AND RTC MODULE	04:45-04:55 PM
11	MUSKAN PATEL	ROBOTICS IN ENDODONTICS: A REVIEW	04:55-05:05 PM
12	PRATHAM MAHESHWARI	APPLYING RBF-DELTA TO ESTIMATE THE AERODYNAMIC COEFFICIENTS OF AN AIRCRAFT IN LONGITUDINAL FLIGHT	05:05-05:15 PM

Online Presentation Session-2

Thermal & Fluid

03:15-05:15 PM

20/01/2024

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Meeting ID: 463 845 676 628

Passcode: ZYqkRH

Session Chair: Dr. Amit Yadav

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	SARAVANAKUMAR R	THERMAL POWER IN INDIA - PAST, PRESENT, AND FUTURE PERSPECTIVES	03:15-03:25 PM
2	SANDEEP JAMKATEL	INVESTIGATION OF AN AEROFOIL USING IMPROVED BLOWING SUCTION SYSTEM	03:25-03:35 PM
3	PARTH JAGDISH PATIL	COMPUTATIONAL STUDY ON FLOW CHARACTERISTICS OF DUAL BELL NOZZLE WITH VARYING ALTITUDE EFFECT	03:35-03:45 PM
4	RIDHI V. RAAJ	EXPERIMENTAL STUDY OF DIFFERENT FACTORS INFLUENCING SUPERCOOLING IN PHASE CHANGE MATERIALS	03:45-03:55 PM
5	ANSHUL SAKARKAR	EFFECT IN MECHANICAL AND PHYSICAL PROPERTIES OF INTERLOCKING BRICK DUE TO UTILIZATION OF COCONUT SHELL AND FLY ASH	03:55-04:05 PM
6	ABHIJEET PRAKASH SHAH	NUMERICAL AND EXPERIMENTAL ANALYSIS OF HEAT TRANSFER FOR VARIOUS SHAPES OF DIMPLE SURFACES	04:05-04:15 PM
7	SERALATHAN S	COMPUTATIONAL ANALYSIS OF MECHANICAL THRUST VECTORING C-D NOZZLE FOR AIRCRAFT ENGINES	04:15-04:25 PM
8	ABHIJEET REDEKAR	THERMAL ANALYSIS OF SELF-POWERED AND DAY-NIGHT HYBRID SOLAR COOKERS	04:25-04:35 PM
9	BHAWNA RAWAT	NUMERICAL SIMULATION OF PSEUDOPLASTIC FLUID FLOW OVER A SQUARE CYLINDER USING ANSYS FLUENT	04:35-04:45 PM
10	BALAJI K	INVESTIGATION OF AN AEROFOIL USING IMPROVED BLOWING SUCTION SYSTEM	04:45-04:55 PM
11	DR. VISHWANATH KUMAR PANANGIPALLI	CFD MODELLING AND EXPERIMENTAL VALIDATION OF A SINGLE-SLOPE PASSIVE SOLAR STILL FOR EFFICIENT WATER DESALINATION	04:55-05:05 PM
12	SIDDHITA YADAV	CFD ANALYSIS ON MIXING CHARACTERISTICS OF SUPERSONIC COMBUSTOR WITH TANDEM CAVITY	05:05-05:15 PM

Online Presentation Session-2

Material & Composites

03:15-05:15 PM

20/01/2024

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Meeting ID: 496 707 434 026

Passcode: KHLiEy

Session Chair: Dr. Neeraj Srivastava

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	NIKHIL SHARMA	PIEZOELECTRIC MATERIALS SYNTHESIZED BY THE HYDROTHERMAL METHOD AND THEIR APPLICATIONS	03:15-03:25 PM
2	PRANOTI SHINDE	COMPOSITE MATERIAL FOR DESIGN AND MANUFACTURING OF THE WIND TURBINE BLADES - A REVIEW	03:25-03:35 PM
3	NITISH KUMAR	A REVIEW ON PINEAPPLE AND BANANA NATURAL FIBER COMPOSITE	03:35-03:45 PM
4	RAMYA R	DFT STUDY ON STRUCTURAL, ELECTRONIC, MAGNETIC, AND THERMOELECTRIC PROPERTIES OF HALF-HEUSLER COMPOUNDS FEXSB (X= V, CR, AND MN)	03:45-03:55 PM
5	ANCHIT DEB MISHRA	EVALUATION OF MECHANICAL AND PHYSICAL PROPERTIES OF CHEQUERED TILE BY UTILIZING WASTE BROKEN CERAMIC TILE	03:55-04:05 PM
6	MUKUND KUMAR	A REVIEW OF BIOMEDICAL APPLICATIONS OF ZIRCONIA-BASED NANOMATERIALS	04:05-04:15 PM
7	RAUNAK PRAKASH	EXPERIMENT ON MODIFIED BITUMINOUS ROAD WITH ADDITIVE WASTE MATERIAL	04:15-04:25 PM
8	ARVIND DEB MISHRA	ASSESSMENT OF MODIFIED CONCRETE BLOCK WITH CONSTRUCTIONAL WASTE, INDUSTRIAL WASTE & NATURAL FIBER	04:25-04:35 PM
9	MS.N. MEENALOCHANI	A COMPREHENSIVE REVIEW ON FERROUS BASED ALLOY REINFORCEMENTS FOR SMART STRUCTURES AND BRIDGES	04:35-04:45 PM

Online Presentation Session-2

Manufacturing

03:15-05:15 PM

20/01/2024

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Meeting ID: 459 694 548 135

Passcode: 79w6qp

Session Chair: Dr. Prabas Benerjee

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	OM NILESH KULKARNI	INVESTIGATING CUTTING FORCES DURING HARD TURNING OF EN 24 STEEL: A COMPARATIVE EVALUATION OF MQL AND DRY CUTTING.	03:15-03:25 PM
2	PRAVIN P HUJARE	ANALYSIS OF SPRING BACK ERROR IN PIPE BENDING	03:25-03:35 PM
3	NITYAM GANGJI	A COMPARATIVE ANALYSIS OF MACHINING PERFORMANCE DURING TURNING SS304 STAINLESS STEEL UNDER DRY AND COMPRESSED AIR COOLING CONDITIONS	03:35-03:45 PM
4	DR. SAADAT ALI RIZVI	MICROSTRUCTURE BEHAVIOUR EVOLUTIONS IN THE HEAT-AFFECTED ZONE AND FUSION ZONES OF THE AISI 304 STAINLESS STEELS WELDMENT IN DOUBLE PASS WELD	03:45-03:55 PM
5	PAVANKUMAR JADHAV	GREEN MANUFACTURING: A GLOBAL PERSPECTIVE	03:55-04:05 PM
6	KAMLESH KUMAR	WELDING OF TI-6AL-4V ALLOY: A REVIEW	04:05-04:15 PM
7	SHANKAR MORE	ACOUSTIC EMISSION SIGNAL CORRELATION WITH MICRO-MACHINING CHARACTERISTICS OF TI-6AL-4V ALLOY	04:15-04:25 PM
8	INAM UR REHMAN	A REVIEW ON CHALLENGES FOR PROCESSING OF ALUMINUM ALLOYS DURING WIRE-ARC ADDITIVE MANUFACTURING	04:25-04:35 PM
9	IVIN JOSE	PARAMETRIC STUDY IN ELECTRICAL DISCHARGE GRINDING PROCESS ON ALUMINIUM PLATES	04:35-04:45 PM
10	SUNIL M. PONDKULE	REVOLUTIONIZING IN TOOLS: A NEW ERA OF CUTTING TOOL HEALTH MONITORING WITH IOT	04:45-04:55 PM
11	TAMIL SELVAN M	REVOLUTIONIZING AUTOMOTIVE PRECISION: REDESIGNING AND 3D PRINTING HIGH-PERFORMANCE CV JOINTS WITH AUTODESK FUSION 360	04:55-05:05 PM

Online Presentation Session-3

Design & Automation

11:30-01:00 PM

21/01/2024

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Meeting ID: 441 861 175 474

Passcode: Zusi2G

Session Chair: Mr. Vinay Ambarkar

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	ARUN PRAVEEN D	SELF-OPERATED OPTIMIZED DESIGN OF AN AUTOMATED SEED SOWING ROBOT	11:30-11:40 AM
2	MAYANK SINGH	A COMPARATIVE STUDY OF LIVE LOAD FOR BRIDGE DECK WITH CUSTOM FIGHTER AIRCRAFT LOADING AND IRC STANDARD LOADING FOR DESIGN OF ELEVATED TAXIWAY	11:40-11:50 AM
3	DAYA SHANKAR	DYNAMIC STABILITY ASSESSMENT OF SUPERCRITICAL WATER-COOLED REACTORS (SCWRS) BY LUMPED PARAMETER ANALYSIS	11:50-12:00 AM
4	G H WAGHMARE	DESIGNING DENTAL IMPLANTS: THE USE OF FINITE ELEMENT ANALYSIS, A COMPREHENSIVE REVIEW	12:00-12:10 AM
5	NIRMAL KUSHWAHA	THEORETICAL AND EXPERIMENTAL INVESTIGATION FOR THE IDENTIFICATION OF A TRANSVERSE CRACK PRESENT IN THE SHAFT OF A TWO DISC-SHAFT-BEARING SYSTEM.	12:10-12:20 AM
6	SHANKAR VETAL	TOPOLOGY OPTIMIZATION OF WIND TURBINE STRUCTURAL COMPONENTS	12:20-12:30 PM
7	SUMITA CHATURVEDI	INFLUENCE OF MISALIGNMENT ON THE PERFORMANCE OF A TWO-LOBE AEROSTATIC JOURNAL BEARING	12:30-12:40 PM
8	ABHIJEET REDEKAR	INNOVATIVE DESIGN OF HYBRID SOLAR COOKER WITH SELF-POWERED TRACKING USING AUTODESK FUSION 360	12:40-12:50 PM
9	GANESH LAXMAN SURYAWANSHI	FAULT DIAGNOSIS IN ROTOR BEARING SYSTEMS USING ANN-BASED VIBRATION ANALYSIS FOR INDUSTRY 4.0 MACHINERY CONDITION MONITORING	12:50-01:00 PM

Online Presentation Session-3

Thermal & Fluid

11:30-01:00 PM

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Meeting ID: 463 845 676 628

Passcode: ZYqkRH

Session Chair: Dr. Anant Singhal

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	YUVARAJ SHANMUGAM	NUMERICAL AND EXPERIMENTAL INVESTIGATION OF AIRFOIL DERIVED FROM EAGLE	11:30-11:40 AM
2	GUNASEKAR.S	ENHANCING THE THERMAL PERFORMANCE OF A SOLAR AIR HEATER BY INCORPORATING ARTIFICIAL ROUGHNESS TO THE ABSORBER PLATE	11:40-11:50 AM
3	VANCHIMUTHU C	INVESTIGATION ON THE PERFORMANCE OF DRAFT TUBE BY NUMERICAL AND EXPERIMENTAL APPROACH: A REVIEW	11:50-12:00 AM
4	KUSHAL GUPTA	A STUDY ON ION THRUSTERS AS A REPLACEMENT FOR CURRENT ENGINE TECHNOLOGY	12:00-12:10 AM
5	HARSHAL BHATKAR	EXPERIMENTAL INVESTIGATIONS OF NEW AIRFOIL FOR SMALL HORIZONTAL AXIS WIND TURBINE AT LOW REYNOLDS NUMBER	12:10-12:20 AM
6	KISHORE SINGH PATEL	NUMERICAL INVESTIGATIONS OF SUPERCONDUCTING MATERIAL COOLING USING BUOYANCY DRIVEN HEAT TRANSPORT IN CRYOGENIC NANOFLUIDS	12:20-12:30 PM
7	DR. RANJIT. J. SINGH	NUMERICAL STUDY ON INFLUENCE OF SOLUTAL BUOYANCY ON MIXED CONVECTION HEAT AND MASS TRANSFER IN SKEWED DOMAIN	12:30-12:40 PM
8	SHAIL N. SHAH	EFFECT OF LIQUID LINE AND CONDENSER PARAMETERS ON THE PERFORMANCE OF WATER-BASED LOOP HEAT PIPE	12:40-12:50 PM
9	MR. SARANG DESHPANDE	NUMERICAL MODELLING OF THERMAL LINK FOR OPTICAL COOLER	12:50-01:00 PM

Online Presentation Session-3

Material & Composites

11:30-01:00 PM

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Meeting ID: 496 707 434 026

Passcode: KHLiEy

Session Chair: Dr. Suyog Jharvar

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	ABHISHEK JAISWAL	EXPERIMENTAL INVESTIGATION OF MARBLE WASTE CONCRETE WITH SUGARCANE BAGASSE	11:30-11:40 AM
2	KHYATI KODOPI	MECHANICAL PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH DOLOMITE	11:40-11:50 AM
3	DR. KIRTIKUMAR PATEL	A STUDY OF THERMAL PARAMETERS BY EMPLOYING TGA AND DSC OF COPPER METAL COMPLEXES	11:50-12:00 AM
4	DR. BEAUTY PANDEY	A COMPARATIVE ANALYSIS OF THE PHOTOELECTROCHEMICAL PERFORMANCE OF G-C3N4/TIO2 NANOTUBE COMPOSITES	12:00-12:10 AM
5	HIMANSHI,	ECO-SYNTHESIS: TRANSFORMING WASTE INTO WEALTH RECYCLED LDPE AND NON-BIODEGRADABLE FABRIC COMPOSITE MATERIAL	12:10-12:20 AM
6	VIDJA CHARMI	BEHAVIOUR ANALYSIS OF FUNCTIONALLY GRADED SANDWICH PLATE FOR FREE VIBRATION BY FINITE ELEMENT METHOD	12:20-12:30 PM
7	FIZA KHAN	MECHANICAL PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH DOLOMITE	12:30-12:40 PM

Online Presentation Session-3

Manufacturing

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Meeting ID: 459 694 548 135

Passcode: 79w6qp

Session Chair: Dr. Gurminder Singh

Sl. No.	AUTHORS NAME	PAPER TITLE	TIME
1	SHUBHAM SASANE	INVESTIGATION OF TOOL LIFE AND RESULTANT FORCE DURING TURNING HARDENED STEEL USING COATED CARBIDE TOOL	11:30-11:40 AM
2	GANESH DHURDE	STUDY OF KERF WIDTH VARIATION IN WIRE EDM OF 17-4 PH STAINLESS STEEL	11:40-11:50 AM
3	PALASH BISWAS	INFLUENCE OF SUSTAINABLE LUBRICATION ON THE TRIBOLOGICAL BEHAVIOUR OF PHOSPHORUS BRONZE	11:50-12:00 AM
4	SHAKUNTAL KHAMAR	MECHANICAL AND METALLURGICAL ANALYSIS OF ROTARY FRICTION WELDED LOW CARBON STEEL AND STAINLESS STEEL.	12:00-12:10 AM
5	SHAKUNTAL KHAMAR	ADVANCES IN MICRO-MILLING: A CRITICAL REVIEW.	12:10-12:20 AM
6	WAMAN SAMBHAJI KHARAT	WELDING COPPER TO MAGNESIUM: A COMPREHENSIVE REVIEW OF FUSION AND SOLID-STATE APPROACHES	12:20-12:30 PM
7	OM KULKARNI	INVESTIGATING CUTTING FORCES DURING HARD TURNING OF EN 24 STEEL: A COMPARATIVE EVALUATION OF MQL AND DRY CUTTING	12:30-12:40 PM
8	SHUBHAM ARUN SASANE	INVESTIGATION OF TOOL LIFE AND RESULTANT FORCE DURING TURNING HARDENED STEEL USING COATED CARBIDE TOOL	12:40-12:50 PM
9	SK AMAN ALI	FEASIBILITY ANALYSIS OF HYBRID BAYESIAN NETWORK FOR OPTIMAL WEDM PROCESS PARAMETERS PREDICTION TO FABRICATE SINGLE CRYSTAL TUNGSTEN	12:50-01:00 PM