

## Schedule: AMEIIM-2022

**Day 1, 25<sup>th</sup> February 2022**

<b>Day 1, 25<sup>th</sup> Feb 2022</b>	<b>Inauguration (Link: <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a>)</b>	<b>11:30-12:00 AM</b>
<b>Day 1, 25<sup>th</sup> Feb 2022</b>	<b>Keynote Lecture 1 (Prof. Raul Figueiro) (Link: <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a> )</b>	<b>01:30-2:30 PM</b>

### Oral Presentations

<b>Time ↓</b>	<b>Session 1 (Paper ID)</b>	<b>Session 2 (Paper ID)</b>	<b>Session 3 (Paper ID)</b>
3:00 PM	<b>7156</b>	<b>9581</b>	<b>2878</b>
3:10 PM	<b>0591</b>	<b>0107</b>	<b>5761</b>
3:20 PM	<b>4752</b>	<b>1061</b>	<b>9969</b>
3:30 PM	<b>4183</b>	<b>2196</b>	<b>7353</b>
3:40 PM	<b>7332</b>	<b>9510</b>	<b>7016</b>
3:50 PM	<b>6710</b>	<b>8428</b>	<b>2056</b>
4:00 PM	<b>7802</b>	<b>2501</b>	<b>8873</b>
4:10 PM	<b>3014</b>	<b>5752</b>	<b>2535</b>
4:20 PM	<b>6409</b>	<b>4828</b>	<b>9546</b>
4:30 PM	<b>9014</b>	<b>8351</b>	<b>3514</b>

## Schedule: AMEIIM-2022

**Day 2, 26<sup>th</sup> February 2022**

<b>Day 2, 26<sup>th</sup> Feb 2022</b>	<b>Keynote Lecture 2 (Mr. R. N. Chouhan)</b> <b>(Link: <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a> )</b>	<b>10:30-11:30 AM</b>
<b>Day 2, 26<sup>th</sup> Feb 2022</b>	<b>Valedictory Session</b> <b>(Link: <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a> )</b>	<b>04:00-04:30 PM</b>

### Oral Presentations

<b>Time ↓</b>	<b>Session 4 (Paper ID)</b>	<b>Session 5 (Paper ID)</b>	<b>Lunch Break (12:50 PM to 2:00 PM)</b>	<b>Time ↓</b>	<b>Session 6 (Paper ID)</b>	<b>Session 7 (Paper ID)</b>
11:50 AM	<b>2095</b>	<b>5366</b>		2:00 PM	<b>4384</b>	<b>2024</b>
12:00 PM	<b>3635</b>	<b>3305</b>		2:10 PM	<b>4462</b>	<b>8053</b>
12:10 PM	<b>7885</b>	<b>8763</b>		2:20 PM	<b>9613</b>	<b>6190</b>
12:20 PM	<b>7956</b>	<b>0287</b>		2:30 PM	<b>1302</b>	<b>8568</b>
12:30 PM	<b>3394</b>	<b>4032</b>		2:40 PM	<b>7310</b>	<b>5423</b>
12:40 PM	<b>8679</b>	<b>2246</b>		2:50 PM	<b>6518</b>	<b>0437</b>
12:50 PM	<b>3170</b>	<b>3915</b>		3:00 PM		<b>5294</b>

## Day 1, 25<sup>th</sup> Feb 2022

<b>Link</b>		<a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a>	
<b>Invited Talk</b>	<b>Participant Name</b>	<b>Title</b>	<b>Time</b>
<b>Keynote Lecture-1</b>	Prof. Raul Figueiro Professor University of Minho School of Engineering Portugal	<b>‘Multifunctional and Multiscale Fiber-Based Materials and Composites.</b>	<b>01:30 PM to 02:30 PM</b>

### Technical Session-1

Google Meet Link (Technical Session-1): <a href="https://meet.google.com/kid-mfab-ukh">https://meet.google.com/kid-mfab-ukh</a>	<b>Session Chair</b>
	<b>Dr. S.K. Mukti, NIT Raipur (+91- 93028 37666)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
1	A. N. PHANI DEEPTHI	7156	Experimental Investigation of Thermal Conductivity for Human Dermal Layers.	3:00 PM
2	ABHISHEK BHATTACHARYA	0591	Finite Element Analysis of NACA 747A315 And NACA 747A415 Horizontal Axis Wind Turbine (HAWT) Blades to Check For Point Of Maximum Deflection As A Result Of Lift Force And CFD Simulation To Analyse Areas Experiencing Pressure Due To Frontal Wind Impact.	3:10 PM
3	ABHISHEK SINGH	4752	Multi-Objective Optimization for CNC Drilled High-Carbon High-Chromium Steel Using GRA_MOORA with PCA Method	3:20 PM
4	ANSHUL JAIN	4183	Workspace Analysis and Study of Parasitic Motion In 3-RRS Parallel Manipulator	3:30 PM
5	ANTONELLA BEVILACQUA	7332	Determination Of the Absorption Coefficient for Materials Employed Into Complex Roof Casing	3:40 PM

6	BANSIDHAR GOUDA	6710	Design And Development of A Test Rig For Performance Evaluation Of Ball Bearings	3:50 PM
7	BASINGALA PRAVEEN KUMAR	7802	Experimental Evaluation Of PAN-Based Carbon-Phenolic Composites and Their Thermo-Mechanical Properties For Thermal Protection	4:00 PM
8	BORRA. N. DHANUNJAYARAO	3014	Parameter Optimization of VAT Photopolymerization For Dimensional Accuracy Of 3D Printed Part: Taguchi Approach	4:10 PM
9	CHAMAN LAL PAL	6409	Thermal Comfort Study in Rural Area: Review And Questionnaire Design	4:20 PM
10	CHANDRA BABU NAIDU. R	9014	Structural And Dynamic Analysis of Automotive Bus Chassis Subjected To Random Vibrations	4:30 PM

### *Technical Session-2*

<b>Google Meet Link (Technical Session-2): <a href="https://meet.google.com/yfg-qfvf-qir">https://meet.google.com/yfg-qfvf-qir</a></b>	<b>Session Chair</b>
	<b>Dr. N.V. Swamy Naidu, NIT Raipur (+91-73890 37915)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
11	CHIRANTH N M	9581	Design and Numerical Analysis of an Adhesively Bonded Composite Single Lap Joint under Constant Amplitude Fatigue Loading	3:00 PM
12	DARAPU KIRAN SAGAR REDDY	0107	Thermal properties evaluation and Micro structural analysis study of ceramic coated cylinder liner	3:10 PM
13	DHEERAJ LAL SONI	1061	Selection of Nature-Inspired Surface Texture for Machining Applications: An MCDM approach	3:20 PM
14	DIGVIJAY RONGE	2196	Optimization of design variables of earth air heat exchanger (EAHE) system for space & energy savings: Taguchi method approach	3:30 PM
15	DR. ANOOP KUMAR TIWARI	9510	A Study of Kurt Lewin Leadership Styles and Group Dynamics in Developing Responsibility and Performance Among Engineering Students	3:40 PM
16	DR. J. SIVA RAM PRASAD	8428	Thermal Dispersion and Melting Impacts on Mixed Convective Non-Newtonian Fluid Flow	3:50 PM

17	DR.K.G.DURGA PRASAD	2501	Material Selection in Conceptual Design of a Product through QFD - Entropy - TOPSIS Approach	4:00 PM
18	GHOHARE ABHIJEET GANESH	5752	Numerical Investigation to Study the Effect of Inlet Diffuser Orientation on the Turbulence Intensity of the Naturally Ventilated Occupied Office Using CFD	4:10 PM
19	GURMEET SINGH GAHIR	4828	Investigation of Journal Bearings with Nanoparticles mixed Lubricant using Computational Fluid Dynamics	4:20 PM
24	K.RAMANAIAH	8351	Experimental and numerical investigation of sustainable thermal insulation competence of natural fiber reinforced composite	4:30 PM

### *Technical Session-3*

<b>Google Meet Link (Technical Session-3): <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a></b>	<b>Session Chair</b>
	<b>Dr. Jagadish, NIT Raipur (+91-8811940517)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
21	JAGADEESWARARAO MADDU	2878	Experimental Investigation and Multi-Objective Optimization of EDM Machining Parameters On Ti-6AL-4v Alloy	3:00 PM
22	JITENDRA RAGHUWANSHI	5761	Experimental Study on Passive Ventilation and Indoor Environment	3:10 PM
23	K KRISHNA MURTHY	9969	Enhancement of heat transfer in microchannel heat exchanger by using C-shaped cylindrical inserts (Pin fins)	3:20 PM
24	HARISH KUMAR K	7353	Numerical Investigation & CFD Analysis of Cooling Tower at Varying Inlet Flow Directions	4:30 PM
25	KAUSHLENDRA KUMAR	7016	Mechanical and physical properties analysis of Textile (carpet) waste/polymer composite modified by nanofiller	3:40 PM
26	M. SUMALATHA	2056	Experimental Investigation of Tensile, Hardness And Corrosion Tests On TIG Welded Martensitic Stainless Steel (AISI 410) Plates	3:50 PM

27	MOUNICA SUNKARA	8873	Development of cost-effective high-pressure water pump fire fighting system	4:00 PM
28	MR. B. MANIKYA ARORA	2535	Studies on Influence of Surface Modifications on the Mechanical Properties of Basalt Fiber Reinforced Epoxy Composites	4:10 PM
29	PRIYANKA KUMARI	9546	Critical Success Factors for Sustainability to Overcome the Effect of COVID-19 in Hospital Sectors	4:20 PM
30	P.V.S.S. CHAITANYA	3514	Thermal Model Development and Performance Analysis of a Grid-Interactive Solar Chimney Power Plant	4:30 PM

## Day 2, 26<sup>th</sup> February 2022

<b>Link</b>		<a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a>	
<b>Invited Talk</b>	<b>Participant Name</b>	<b>Title</b>	<b>Time</b>
Keynote Lecture 2	Mr. R. N Chouhan Scientist JNARDDC Nagpur, India	Circular Economy in Non-ferrous metal sector: Indian perspectives	10:30-11:30 AM

### Technical Session-4

Google Meet Link (Technical Session-4): <a href="https://meet.google.com/ffs-zqkd-fpy">https://meet.google.com/ffs-zqkd-fpy</a>	<b>Session Chair</b>
	Dr. Jagadish, NIT Raipur (+91-8811940517)

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
31	RAGHAVA SAI MURTHY PUPPALA	2095	Semi-Automatic Farming	11:50 AM
32	ROSHAN TAMRAKAR	3635	A Literature Survey on the Skill Development Mechanism in India	12:00 PM
33	SACHIN KRISHNAT PISAL	7885	Effect of Change in Flow Rate on Performance Parameters of Shell and Helical Tube Type Heat Exchanger	12:10 PM
34	SAI HEMANTH KUMAR VENNELAKANTI	7956	Static and Dynamic Relation Under the Flexibility of a Formula 1 Rear Wing	12:20 PM
35	SAURABH TIWARI	3394	Experimental investigations to evaluate the effects of palm oil-based cutting fluid in turning operation of AISI 1040 steel	12:30 PM
36	SAVITRI VEMIREDDI	8679	Design & CFD Analysis of Plate type Heat Exchanger for Enhanced Heat Transfer Rates in Food Processing Plant	12:40 PM
37	SREEGOWRAV K R	3170	Effect Of Counter Flow in Capillaries And Venules On Bio Heat Transfer In Tissue Beds	12:50 PM

### Technical Session-5

Google Meet Link (Technical Session-5): <a href="https://meet.google.com/kid-mfab-ukh">https://meet.google.com/kid-mfab-ukh</a>	<b>Session Chair</b>
	<b>Dr. S.K. Mukti, NIT Raipur (+91- 93028 37666)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
38	SHAIK ROSHAN	5366	Sensor Controlled Land Mine Detection Using Mars Rover System	11:50 AM
39	SHOURYASARATHI BHATTACHARYYA	3305	Pre-Stressed Dynamic Analysis of Truck Chassis	12:00 PM
40	SHREYASH THAWKAR	8763	Design And Development of E-Bicycle Under Ergonomic Considerations	12:10 PM
41	SHUBHANKAR BATWE	0287	Design of Mulching Machine	12:20 PM
42	SIBABRATA MOHANTY	4032	Optimization of WEDM Process Parameter on Machining of Aluminium Reinforced With Fly Ash using Grey Relational Analysis	12:30 PM
43	SONAM PRASAD BHOPATRAO	2246	Manufacturing of Sustainable Manhole Covers Designed for Pedestrian Networks	12:40 PM
44	JAGPAL SINGH BAL	3915	Detection of Structural Properties of Kinematic Chains Using Graph Theory and Genetic Algorithm	12:50 PM



## Technical Session-6

<b>Google Meet Link (Technical Session-6): <a href="https://meet.google.com/yfg-qfvf-qir">https://meet.google.com/yfg-qfvf-qir</a></b>	<b>Session Chair</b>
	<b>Dr. N.V. S. Naidu, NIT Raipur (9963390988)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
45	SRINIVAS PRASAD SANAKA	4384	Analysis On Structural and Acoustic Response Of Marine Propeller	2:10 PM
46	SUBHAM MUKHERJEE	4462	Mathematical Model of A Powerplant Incorporating Solar Parabolic Trough Collectors Integrated With A Kalina Cycle	2:20 PM
47	SUDHAGAR S	9613	Prediction Of Cutting Force During High-Speed Turning of Ti-6Al-4V Alloy Using RSM, ANN And ANFIS	2:30 PM
48	SUMIT KR. GHOSH	1302	Mathematical Model of A Grid-Interactive System Incorporating A Solar Parabolic Trough Collector Integrated With An Accumulator System	2:40 PM
49	SWATANTRA KUMAR JAISWAL	7310	Barriers Affecting Circular Economy of E-Waste In Indian Context	2:50 PM
50	S.M.IBRAHIM	6518	Acoustical thermodynamic molecular interaction studies in functional material combinations of Propylene Glycol along with Redlich-Kister coefficients	3:00 PM

### Technical Session-7

Google Meet Link (Technical Session-7): <a href="https://meet.google.com/kid-mfab-ukh">https://meet.google.com/kid-mfab-ukh</a>	<b>Session Chair</b>
	<b>Dr. S.K. Mukti, NIT Raipur (+91- 93028 37666)</b>

Sl. No	Author /Presenter Name	Paper ID	Title of paper	Time
51	VEMULOORI VASU	2024	Performance analysis of domestic refrigeration system using Zink Oxide Nano lubricant	2:00 PM
52	VIVEK GOPI	8053	Performance Evaluation of BS3 Direct Injection Diesel Engine Using Diesel and Castor Biodiesel at Different Injection Pressures	2:10 PM
53	DR. PUNDRU SRINIVASA RAO	6190	Synthesizing Green-Hydrogen by using Electrolysis	2:20 PM
54	HITESH NARANG	8568	Design and fabrication of exhaust system for formula student car	2:30 PM
55	SHANTHI SWAROOPINI ALAMANDA	5423	Transient Thermal Analysis of IC Engine Cylinder Block with Fins of varying Cross-sections	2:40 PM
56	T NIRANJAN	0437	Process Parameters Influence in Micro Hole Drilling of Electrochemical Micromachining of Stainless Steel	2:50 PM
57	M.SRILAKSHMI	5294	Analytical thermo-acoustical study along with Redlich-Kister Coefficients in functional material combinations at four temperatures range from 303.15K to 318.15K.	3:00 PM