

ISME-2023

BENGALURU, INDIA

13th - 15th July, 2023



Department of Mechanical Engineering, PES University, Bengaluru

Tentative Schedule

DAY - 1 (July 13, 2023)

Time	Activity	Venue
08.30 - 09.30	Registration	Foyer - Dr. MRD Silver Jubilee Building
09.45 - 10.45	Inaugural Program	Dr. MRD Auditorium
10.45 - 11.00	High Tea	Foyer - Dr. MRD Auditorium

11.00 - 11.30	Keynote Address - 1 Prof. Subir Kumar Saha Professor, Department of Mechanical Engineering, Indian Institute of Technology Delhi,			Topic: Robotics to Rural: Innovative Teaching and Research Approaches Venue: Dr. MRD Auditorium	
11.30 - 12.00	Keynote Address - 2 Mr. Vinod Kumar K, Senior Principal Scientist, Design Engineering Group, Structural Technological Division, CSIR-NAL			Topic: Design of Aircraft Flight Control Systems Venue: Dr. MRD Auditorium	
12.00 - 1.00	Session - 1			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 2B	Track 3A
Room No	B606	B607	B611	B612	B608
Session Chair	Prof Amit Pal, DTU, New Delhi	Prof Vijay Gautam, DTU, New Delhi	Dr. Jaya Christiyam RIT	Dr Sirdhar B S RIT	Dr.G.Amba Prasad Rao NIT, Warangal
Coordinator	Dr. Sangamesh C.M PESU	Mr. Srinivasa Prasad K S PESU	Mr. Shivakumar R H PESU	Mr. Sateesh Mudalagi PESU	Mrs. Chaitra Rao R PESU
Paper IDs	02, 05, 06, <u>07</u>	12, 17, <u>21</u> , 74	34, <u>125</u> , 20, 23	24, 25, 31, <u>47</u> , 182	105, <u>43</u> 169
01.00 - 02.00	LUNCH			Cafeteria Golden Jubilee Building	
02.00 - 02.30	Keynote Address - 3 Dr. Raju, Centre Manager ARC Training Centre for Automated Manufacture of Advanced Composites,UNSW SYDNEY NSW 2052 AUSTRALIA			Topic: Composites in Dentistry From Laboratory to Market along with Tribological challenges Venue: 7th Floor Seminar Hall, BE Block	
02.30 - 03.00	Keynote Address - 4 Dr. Arshinder Kaur, Professor Department of Management Studies, Indian Institute of Technology Madras			Topic: Emerging technologies and research issues in supply chain Venue: 7th Floor Seminar Hall, BE Block	

03.00 - 04.00	Session - 2			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 2B	Track 3A
Room No	B606	B607	B611	B612	B608
Session Chair	Prof. Shriram Hegde IITD, New Delhi	Prof. Khyati Verma, NITK, Surathkal,	Dr Mohandas K N RIT, Bengaluru	Dr Sunith Babu RIT, Bengaluru	PROF. M R RAVI IIT, Delhi
Coordinator	Prof. S.S. Patil PESU	Mr. Kiran M PESU	Mrs. Rekha N, PESU	Ms. Supriya B PESU	Dr. Jyothi Prakash K H, PESU
Paper IDs	026, <u>028</u> , <u>033</u> , 040	042, <u>058</u> , 071, 090	<u>55</u> , <u>61</u> , <u>69</u> , 81,	<u>118</u> , 157, 184, 78	54, 60, <u>179</u> , 202
04.00 - 04.15	Tea		Foyer - 6th Floor BE Block		
04.15 - 05.15	Session - 3			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 2B	Track 3A
Room No	B606	B607	B611	B612	B608
Session Chair	Dr. K. N. Bharath, GM Institute of Technology	Dr. Manoj Kumar Dr. B R Ambedkar NIT Jalandhar	Dr G R Rajkumar RVCE, Bengaluru	Dr. K Panneerselvam, NIT Trichy	Dr.Rajendra Prasad MIT, Bengaluru
Coordinator	Ms. Jyothsna KM Moorthy, PESU	Mr. Madhu M PESU	Dr. D. Sethuram PESU	Mr. Mahantesh Basappa PESU	Mrs. Chaitra Rao R PESU
Paper IDs	092, 093, <u>094</u> , <u>095</u>	096, 097, 098, 099	<u>192</u> , 223, <u>107</u> ,	19, 22, 30	227, 13, 46,
06.45 - 08.00	Cultural Evening - TDM Studio - Golden Jubilee Building Complex				
8.00 pm onwards	Conference Dinner - Cafeteria - Golden Jubilee Building Complex				

Tentative Schedule

DAY - 2 (July 14, 2023)

Time	Activity			Venue	
08.30 - 09.00	Networking			Foyer - 6th Floor BE Block	
09.00 - 09.45	Keynote Address - 5 Prof Sanjeev Sanghi, Head, Department of Applied Mechanics, IIT Delhi			Topic: Application of Proper Orthogonal Decomposition to Heat transfer and Fluid Venue: 7th Floor Seminar Hall, BE Block	
09.45 - 10.30	Keynote Address - 6 Prof. A. Seshadri Sekhar, Director, Indian Institute of Technology Palakkad			Topic: Health Monitoring of Machine Elements Venue: 7th Floor Seminar Hall, BE Block	
10.30 - 10.45	Tea Break			Foyer - 6th Floor BE Block	
10.45 - 11.45	Session - 4			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 2B	Track 3A
Room No	B606	B607	B611	B612	B608
Session Chair	Prof. Ranga Vittal H BMSCE, Bangalore	Prof. Anandkumar Annigeri, JSS ATE	Dr Manjunatha Babu N S Dr TTIT	Dr. R. Keshavamurthy DSCE, Bengaluru	Dr.V.Krishna PESU, Bengaluru
Coordinator	Prof. S.S. Patil PESU	Mr. Kiran M PESU	Mrs. Rekha N, PESU	Ms. Supriya B PESU	Dr. Jyothi Prakash K H, PESU
Paper IDs	102, 103, 104, 180	108, 109, 110, 111	37, 56, 63, 70	73, 77, 79, 215	51, 52, 62, 149, 151

11.45 - 12.45	Session - 5			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 2B	Track 3A
Room No	B606	B607	B611	B612	B608
Session Chair	Dr. B S Suresh RVCE, Bangalore	Dr. Mahesh, Jindal University,	Dr. Vishwanath Koti RIT, Bengaluru	Dr Harish Kumar M, Christ University	Dr.Venkatesh Lamani BMSCE, Bengaluru
Coordinator	Ms. Jyothsna KM Moorthy, PESU	Dr. Sangamesh C.M, PESU	Dr. D. Sethuram PESU	Mr. Mahantesh Basappa PESU	Mrs. Chaitra Rao R PESU
Paper IDs	117, <u>131</u> , 140, 234	155, 158, <u>161</u> , 163	82, <u>91,113, 128</u>	121, 146, 162, 178	72, 119, 144, 66,156
12.45 - 01.30	LUNCH			Cafeteria Golden Jubilee Building	
01.30 - 02.00	Keynote Address - 7 Dr. Prasad Patnaik B S V, Professor, Department of Applied Mechanics, Indian Institute of Technology Madras			Topic: Mechanical Engineering solutions to Cerebral Circulatory Disorders Venue: 7th Floor Seminar Hall, BE Block	
02.00 - 02.30	Keynote Address - 8 Prof. Navin Kumar Professor, Department of Mechanical Engineering, Indian Institute of Technology Ropar			Topic: Biomechanical Aspect of the Nature Venue: 7th Floor Seminar Hall, BE Block	
02.30 - 03.00	Ms Priya Vyas , Senior Editor, Applied Science and Engineering, Springer Nature.			Topic: Scientific Writing Venue: 7th Floor Seminar Hall, BE Block	
03.00 - 04.00	Session - 6			6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A		Track 3A
Room No	B606	B607	B611		B608
Session Chair	Prof. R K Pandey, IIT Delhi	Prof. Hariharan K IIT Madras	Dr Maniraj, DS University, Trichy		
Coordinator	Mr. Sachhidananda,	Mr. Kiran M	Mr. Shivakumar R H, PESU		Dr.Jyothi prakash K H

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Paper IDs	168, 172, <u>173</u> , 174	228, <u>229</u> , <u>230</u> , <u>231</u>	183, 188, <u>205</u> , <u>213</u>	27, 88,124, <u>132</u> , <u>41</u>
04.00 - 04.15	Tea		Foyer - 6th Floor BE Block	
04.15 - 05.15	Session - 7		6th Floor BE Block	
Track	Track 1A	Track 1B	Track 2A	Track 3A
Room No	B606	B607	B611	B608
Session Chair	Dr. Shrikanth V, IIT, WALMI	Dr. Navin Kumar. IIT Ropar		
Coordinator	Mr. Srinivasa Prasad K S PESU	Prof. S.S. Patil PESU	Mr. Sateesh Mudalagi PESU	Mrs. Chaitra Rao R PESU
Paper IDs	<u>177</u> , 181, <u>185</u> , 193	<u>200</u> , 232, 233, 152	206, 217, <u>137</u> , 09	134, 142, 145, 164

Tentative Schedule

DAY - 3 (July 15, 2023)

Time	Activity	Venue		
08.30 - 09.00	Networking	Foyer - 6th Floor BE Block		
09.00 - 09.45	Keynote Address - 9 Dr. Vivekanand Dabade Assistant Professor, Department of Aerospace Engineering, Indian Institute of Science, Bangalore	Topic: Theory driven discovery of materials Venue: 7th Floor Seminar Hall, BE Block		
09.45 - 10.30	Keynote Address - 10 Prof. Pradeep Kundu Professor in Smart Operations and Maintenance KU Leuven, Campus Bruges, Belgium	Topic: Importance of Physics Knowledge in Developing Data-Centric Artificial Intelligence Models Venue: 7th Floor Seminar Hall, BE Block		
10.30 - 10.45	Tea Break	Foyer - 6th Floor BE Block		
10.45 - 11.45	Session - 8	6th Floor BE Block		
Track	Track 1A	Track 2A		Track 3A
Room No	B606	B611		B608
Session Chair	Dr. S P Singh IIT Delhi	Dr. K.S.Seetharama DSCE, Bengaluru		Dr.Jyothiprakash K H PESU, Bengaluru
Coordinator	Prof. S.S. Patil, PESU	Dr. D. Sethuram PESU		Mr. Madhu M PESU
Paper IDs	<u>100</u> , <u>201</u> , 208, <u>209</u> , <u>224</u>	167, <u>194</u> , <u>198</u> , <u>187</u>		170, <u>190</u> , <u>212</u> , <u>141</u> , 154

Registration Desk: Prof. Jyothsna K Moorthy, PESU, email: jyothsna@pes.edu Mobile: 85531 66395

ORGANIZING SECRETARIES: Prof. N Rajesh Mathivanan, PESU and Prof. Chandrashekara C V, PESU