



**Second International Conference on
Materials, Design and Manufacturing Process
ICMDM-2023**

23-25 February, 2023

Organized by

Department of Mechanical Engineering & AU-FRG Institute for CAD/CAM
College of Engineering, Guindy, Anna University, Chennai, India



25 Years of Excellence
in CAD/CAM/CAE &
New Product
Development

Conference Schedule

Day - 1

Date /Time	23.02.2023
08:15 a.m.- 09:15 a.m.	Registration
09:30 a.m. - 11:00 a.m.	INAUGURATION & Chief Guest Address Dr. D. Sam Dayala Dev Director, ISRO Inertial Systems Unit (IISU) Thiruvananthapuram
11:00 a.m.- 11:15 a.m.	Tea Break
11:15 a.m. - 11:45 a.m.	Keynote Address – 1 Prof. Dr. Balakrishnan Ponnuraj Senior Engineer, GE Power & Water, Texas, United States Topic: The Role of CAD Modeling and Engineering Analysis in Designing Industrial Systems
11:45 a.m. - 12:15 p.m.	Keynote Address – 2 Prof. Dr. J. Ramkumar , IIT, Kanpur Topic: Innovative Materials Processing Technologies
12:15 p.m. – 12:30 p.m.	Invited Lecture: ANSYS
12:30 p.m. – 01:15 p.m.	Lunch Break
01:15 p.m. - 01:45 p.m.	Keynote Address – 3 Prof. Dr S. Aravindan , IIT Delhi Topic: Micro-nano structures- their functionalities
01:45 p.m. - 02:15 p.m.	Keynote Address – 4 Prof. Dr. Mustafizur Rahman Former Professor, NUS Topic: Ultra-precision Machining
02:15 p.m. – 02:30 p.m.	Invited Lecture: AUTODESK
02:45 p.m. – 03:45 p.m.	Technical Session – I A Technical Session – I B Technical Session – I C
03:45 p.m. – 04:45 p.m.	Technical Session – II A Technical Session – II B Technical Session – II C
04:45 p.m. - 05:00 p.m.	Tea Break
05:00 p.m. - 05:30 p.m.	Panel Discussion with Industry partners
06:00 p.m.- 09:00 p.m.	‘Ilayaraja of the 80s’ by BEATS TEAM (Musicians of Anna University Alumni along with Mounaraagam Murali)



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Day -2

Date / Time	24.02.2023
09:00 a.m. - 09:30 a.m.	Keynote Address – 5 Prof. Dr. Glenn S. Daehn (Online) Ohio State University Columbus, US Topic: New Manufacturing Tools – their importance and a few examples
09:30 a.m. - 10:00 a.m.	Keynote Address – 6 Prof. Dr. Bhupinder Godara IIT, Delhi Topic: New Product Development
10:00 a.m. - 10:15 a.m.	Tea Break
10:15 a.m. – 11:15 a.m.	Technical Session – III A Technical Session – III B Technical Session – III C
11:15 a.m. – 12:15 p.m.	Technical Session – IV A Technical Session – IV B Technical Session – IV C
12:15 p.m. - 04:30 p.m.	Lunch & Mahabalipuram Visit
06:00 p.m. - 09:00 p.m.	Felicitation to Former Directors, AUFRG Conference Dinner at Alumni Club



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Day- 3

Date / Time	25.02.2023
09:00 a.m. - 09:45 a.m.	Keynote Address – 7 Prof. Dr. Vijayavenkataraman S New York University Topic: 3D (Bio)Printing: The Art of Engineering Tissues
09:45 a.m. - 10:30 a.m.	Keynote Address – 8 Prof. Dr. S. Senthilvelan, IIT Guwahati Topic: Unexplored Research Areas In Mechanical Engineering
10:30 a.m. - 11:00 a.m.	Tea Break
11:00 a.m. - 12:00 noon	Technical Session – V A Technical Session – V C
12:00 noon - 01:00 p.m.	Lunch Break
01:00 p.m. - 02:00 p.m.	Technical Session – VI A Technical Session – VI B Technical Session – VI C
02:00 p.m. - 02:45 p.m.	Keynote Address – 9 Prof. Dr. Saleem Hashmi (Online) Dublin City University Topic: International Research Directions in Materials and Manufacturing Processes
02:45 p.m. - 03:00 p.m.	Tea Break
03:30 p.m. – 04:30 p.m.	VALEDICTORY
05:00 p.m. - 06:00 p.m.	Felicitations to Prof. B. Mohan & Prof. Dr. G. Nagarajan followed by dinner