

Department of Production Technology, MIT Campus, Anna University
International Conference on Recent Innovations in Production Engineering – RIPE 2024

(30th & 31st May 2024)

DAY – 1 (30.05.2024)

Time		Details					
08.00	09.00	Registration					
09.30	10.15	Inaugural function					
10.15	10.30	TEA BREAK					
10.30	11.15	Chair: Dr. A. Rajadurai, Former Dean & Professor, MIT Campus, Anna University, Chennai	Plenary Talk Processing of Titanium alloys and its composites Dr. Peter Madindwa Mashinini Professor, University of Johannesburg, South Africa				
11.15	12.30		Plenary Talk Lifelong Machine Learning/AI in Robotic and Autonomous Systems Dr. S. Jagannathan Professor, Missouri University of Science and Technology, United States				
12.30	01.30	LUNCH BREAK					
01.30	03.30	Session 1 Rajam Hall Metallurgy	Keynote Address An Insight into Synthesis and Applications of Sustainable and Ecofriendly Magnesium Based Materials for 21st Century and Way Beyond Prof. Manoj Gupta, Provost Chair Professor, NUS, Singapore	Session 2 Prof. SRK Seminar Hall Additive Manufacturing	Keynote Address Electron Beam Hybrid Manufacturing Dr. K. P. Karunakaran Professor, IIT Bombay	Session 3 Ponnavai Hall Composite Materials	Keynote Address Advances in Manufacturing Technologies of Metal Matrix Composites Dr. TPD Rajan Senior Principal Scientist MSTD,CSIR- Thiruvananthapuram
		Chair (s)	Dr. Manoj Gupta, Provost Chair Professor, NUS, Singapore & Dr.S.Balasivanandha Prabu, Professor, CEG Campus, Anna University, Chennai	Chair (s)	Dr. K. P. Karunakaran, Professor, IIT Bombay & Dr. Murugaiyan Amirthalingam, Associate Professor, IIT Madras	Chair (s)	Dr. K. Kalaichelvan, Professor, AC Tech Campus, Anna University, Chennai & Dr. V. Arumugam Professor, MIT Campus, Anna University, Chennai
03.30	03.45	TEA BREAK					
03.45	05.30	Session 4 Rajam Hall Functional Materials	Keynote Address Advancements and Challenges of 3D Nanoarchitectures in Real-World Energy Technology Dr. Balamurugan J, Professor, Korea Advanced Institute of Science and Technology, South Korea	Session 5 Prof. SRK Seminar Hall Forming & Welding	Keynote Address Innovations in Metal Forming Dr. Sushanta Kumar Panigrahi, Professor, IIT Madras	Session 6 Ponnavai Hall Mobile Robots	Keynote Address Fundamental insights and current state of the art in wire-cut electrochemical machining technology Dr. J. Ramkumar, Professor, IIT Kanpur
		Chair (s)	Dr. Balamurugan J, Professor, Korea Advanced Institute of Science and Technology, South Korea & Dr. M. Arivanandhan, Professor, AC Tech Campus, Anna University, Chennai	Chair (s)	Dr. Sushanta Kumar Panigrahi, Professor, IIT Madras & Dr.V.S.Senthil Kumar, Professor, CEG Campus, Anna University, Chennai	Chair (s)	Dr. L. Karunamoorthy, Former Registrar & Professor, Anna University, Chennai & Dr. G. Anitha, Professor, MIT Campus, Anna University, Chennai

DAY – 2 (31.05.2024)							
Time		Details					
09.00	09.45	Plenary Talk Processing of Aerospace Materials AD730 Dr Tatyana Konkova <i>Professor, University of Strathclyde, United Kingdom</i>					
Time		Details					
09.45	10.30	Session 7 Rajam Hall Machining	Keynote Address Opportunities for academic researchers, engineering students and startups Dr. V. Dillibabu <i>Scientist-F</i> <i>Gas Turbine Research Establishment</i> <i>DRDO, Ministry of Defence, Bangalore</i>	Session 8 Prof. SRK Seminar Hall Bio Materials Applications	Keynote Address Challenges in Drilling of Multi-material Stacks Dr. V. Krishnaraj, <i>Professor,</i> <i>PSG College of Technology, Coimbatore</i>	Session 9 Ponnavai Hall Intelligent Systems	---
10.30	10.45	TEA BREAK					
10.45	12.30	Chair (s)	Dr. P Hariharan, Professor, <i>CEG Campus, Anna University, Chennai</i> & Dr. M.Kanthababu <i>Professor, CEG Campus, Anna University, Chennai</i>	Chair (s)	Dr. V. Krishnaraj, <i>Professor, PSG College of Technology, Coimbatore</i> & Dr. A. Gnanavelbabu, <i>Professor, CEG Campus, Anna University, Chennai</i>	Chair (s)	Dr. P. Varalakshmi, <i>Professor, CEG Campus, Anna University, Chennai</i> & Dr. P. Karthikeyan, <i>Assistant Professor (Sr.Gr), MIT Campus, Anna University, Chennai</i>
12.30	01.30	LUNCH BREAK					
01.30	03.30	Session 10 Rajam Hall Damage Tolerant System	Keynote Address Day Dreaming Factories – The Future of Manufacturing Dr. N. Arunachalam, <i>Professor, IIT Madras</i>	Session 11 Prof. SRK Seminar Hall Design & Analysis	Keynote Address Challenges in Metal Additive Manufacturing Prof. V. Anandakrishnan <i>Professor, NIT Trichy</i>	Session 12 Ponnavai Hall Automotive System	---
		Chair (s)	Dr. N. Arunachalam, <i>Professor, IIT Madras</i> & Dr. B Mohan, <i>Emeritus Professor, CEG Campus, Anna University, Chennai</i>	Chair (s)	Dr. V. Anandakrishnan, <i>Professor, NIT Trichy</i> & Dr. M. Pradeep Kumar, <i>Professor, CEG Campus, Anna University, Chennai</i>	Chair (s)	Dr. K. Annamalai, <i>Professor, MIT Campus, Anna University, Chennai</i> & Dr. M.R. Swaminathan, <i>Professor, CEG Campus, Anna University, Chennai</i>
03.30	03.45	TEA BREAK					
03.45	04.30	Valedictory					