

Tentative programme**Venue : MIT-WPU, Kothrud, Pune****21st November 2022**

From	To	Activity
900	1000	Welcome and Inauguration; Information for participants, Inaugural Address cum Rasquinha Memorial Lecture (30-40 Mins)
900	910	Welcome addresss by Prof. P. P. Date
910	915	Felicitation of the Chief Guest (Mr. Khatri, Tata Motors)
915	945	Rasquinha Memorial Lecture
1000	1030	Inaugural tea break
1030	1300	Session I : Digitalisation, Industry 4.0 & Process control - Includes AI / ML (4 talks, 25+5 each)
1030	1100	Challenges and application fields in the digital process control of sheet metal forming processes Prof. Pavel Hora, ETH Zurich
1100	1130	Full Digitalisation of the BIW Development to Control Dimensional Accuracy Dr. Bart Carleer, Autoform
1130	1200	Driving Manufacturing Decisions with Machine Learning in Sheet Metal Stamping Industry Shibashish Ghosh, Altair Engg
1200	1230	Light weighting, a way to sustainable transportation Mr. Anirudha Kulkarni, Tata Motors
1230	1300	Q & A on the first session
1300	1400	Lunch
1400	1600	Sesion II : Product, Tools and equipment Design (4 talks)
1400	1430	Expanding horizons of Tube Hydroforming : Evolution over the Years Abhijit Chakravarthy, Electropneumatics & Hydraulics (I) Pvt Ltd.
1430	1500	The Effect of calibration method on critical forming strains and fracture limits in the roll forming of 7000 series Al Alloys Prof. Matthias Weiss, Deakin University, Australia
1500	1530	Tea Break
1530	1600	Joining by forming of busbars for electric power distribution (Online) Prof. P. A. F. Martins, University of Lisbon, Portugal (Online)
1600	1630	How Sustainability, Innovation and Technology Convergence are shaping the Future of Manufacturing Dr. Shankar Venugopal, Mahindra & Mahindra Ltd., MRV, Chennai

- 1630 1700 **Q & A on the 2nd Session**
- 1700 1800 **Panel Discussion on Industry 4.0 implementation in Indian Press shops (SMEs and MSMEs)**
(retrofitting machines to Internet 4.0, Compatible controllers, Business intelligence)

22nd November 2022

From	To	Activity
1000	1300	Session III : Formability and Shaping sheet Metal (4 talks, 25 + 5 each)
1000	1030	Challenges in Slitting Thin foils Dr-Ing. K. D. Jamadar, Volkswagen AG, Wolfsburg, Germany (Online)
1030	1100	Incremental forming of Titanium and Stainless Steel Thin Sheets Prof Sushil Mishra, IIT Bombay
1100	1130	Tea Break
1130	1200	Advanced Material Characterisation Techniques for Zero Prototype Manufacturing In Auto Industries Dr Rahul Kumar Verma (Tata Steel Ltd.)
1200	1230	Steels used in the design of electric vehicles (Online) Mr. Peter Jones, Tata Steel Europe (Online)
1230	1300	Q&A on the 3rd Session
1300	1400	Lunch
1400	1600	Session IV : Hardware and Software for Simulation and Measurement (4 Talks, 25 + 5 each)
1400	1430	Bulk forming of functional and high performance components made out of sheet metal Prof. M. Merklein, FAU Erlangen Nuernberg, Germany
1430	1500	Enable innovative products and sustainable process for BIW and Chassis Assemblies Mr. Adwait Pande, ESI
1500	1530	Tea Break
1530	1600	An Advanced AI framework to simulate metal forming processes Kaan Inal, University of Waterloo, Canada (Online)
1530	1600	Topic to be confirmed

Prof. M. Arunachalam, IIT Madras

1600 1630 **Q&A on the 4th Session**

1630 1645 **Valedictory and wrapping up.**