



Saturday Manufacturing Talks

CENTRE OF EXCELLENCE
IN
ADVANCED MANUFACTURING TECHNOLOGY

*Recorded Webinars
of*

SATURDAY MANUFACTURING TALKS

Centre of Excellence in Advanced Manufacturing Technology

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Being conducted under,

“Azadi Ka Amrit Mahotsav”

- A celebration to commemorate completion of 75 years of India's Independence

Links of the recorded webinars

(Links of the successive talks will be added below)

Sl no.	Speaker	Title	Date ('2021)	Link	Start time
	Organization				
1	FARROKH MISTREE	Catapult IIT Kharagpur to be the Research destination of choice for advanced manufacturing?	Mar 13	Link1	31:39
	<i>University of Oklahoma</i>				
2	NIKHIL CHOPRA	Soft Robotics	Mar 20	Link2	12:04
	<i>University of Maryland</i>				
3	TAPAN P BAGCHI	Design of Experiments in Engineering and Science	Mar 27	Link3	15:39
	<i>IIT Kharagpur</i>				
4	ARPAN PAL	AI-guided Unobtrusive Sensing for Advanced Manufacturing	Apr 3	Link4	06:08
	<i>Tata Consultancy Services</i>				
5	PRADIP DUTTA	Process Modelling in Manufacturing	Apr 10	Link5	09:55
	<i>IISc Bangalore</i>				
6	RAMNATH S MANI	Smart Manufacturing - Industry 4.0	Apr 17	Link6	04:34
	<i>Automation Excellence</i>				
7	MANISH KUMAR	Role of AI in Manufacturing: From Robotics to Factory Operations and Inspections	Apr 24	Link7	04:16
	<i>University of Cincinnati</i>				
8	SHUVRA DAS	Does Industry 4.0 Need Education 4.0?	May 1	Link8	05:18
	<i>University of Detroit Mercy</i>				
9	KAILASH C. KAPUR	Quality Control in Manufacturing: Past, Present and the Future	May 8	Link9	06:55
	<i>University of Washington</i>				

10	SUBIR K SAHA	Why Robotics to Cobotics?	May 15	Link10	06:47
	<i>IIT Delhi</i>				
11	SURESH ADINA	AR/VR in Manufacturing	May 22	Link11	06:21
	<i>VP Startup Innovation · T-Hub Hyderabad</i>				
12	SHREYES N MELKOTE	Robotic Machining	May 29	Link12	07:18
	<i>Georgia Institute of Technology</i>				
13	CHERUVU SIVA KUMAR	Additive Manufacturing	Jun 5	Link13	10:54
	<i>IIT Kharagpur</i>				
14	BHASKAR MAJUMDAR	How to create successful manufacturing based start-ups in India?	Jun 12	Link14	12:10
	<i>Founder and Managing Partner, Unicorn India Ventures</i>				
15	PRASENJIT MITRA	Big Data Analytics	Jun 19	Link15	04:47
	<i>The Pennsylvania State University, University Park, PA</i>				
16	KRISHNA R PATTIPATI	Intelligent Fault Diagnosis and Prognosis for System Health Management	Jun 26	Link16	04:30
	<i>University of Connecticut</i>				
17	SANTOSH DEVASIA	Rapid Optimal Multi-Robot Task Allocation	Jul 3	Link17	03:35
	<i>University of Washington, Seattle</i>				
18	PURNENDU SINHA	The Triangle of Truisms, of Government, Academia and Industry	Jul 10	Link18	05:10
	<i>TATA Sons</i>				
19	AMITAVA DE	Computer based Process Simulation Models for Additive Manufacturing	Jul 17	Link19	05:38
	<i>IIT Bombay</i>				
20	SUDESHNA SARKAR	Reinforcement Learning in Manufacturing Systems	Jul 24	Link20	05:11
	<i>IIT Kharagpur</i>				
21	PAULO J D S BARTOLO	Additive Manufacturing a key technology for Industry 4.0	Jul 31	Link21	08:45
	<i>University of Manchester</i>				

22	AJAY MALSHE	Resilient Innovations for Social Equity (RISE) through Frugal Engineering and Servant Leadership	Aug 7	Link22	04:59
	<i>Purdue University</i>				
23	AMARESH CHAKRABARTI	An Overview of Smart Manufacturing and its Implications for Innovation and Growth	Aug 14	Link23	10:30
	<i>IISc Bangalore</i>				
24	DARIUSZ CEGLAREK	Digital Twin for Closed-loop in Process Quality Improvement of Production Systems	Aug 21	Link 24	04:40
	<i>University of Warwick</i>				
25	ADRIAN GERLICH	High productivity welding processes for pipeline construction	Aug 28	Link 25	03:00
	<i>University of Waterloo</i>				
26	DANNY BASU	How to help small and medium-sized manufacturing industries in India find success in online visibility	Sep 4	Link 26	07:30
	<i>Intact Info Solutions</i>				
27	BP Gautham	Integrated design and development of materials, products and manufacturing processes for accelerated product deployment	Sep 11	Link 27	03:35
	<i>TCS Research</i>				
28	Prith Banerjee	Digital Twins: Challenges and opportunities in various industries	Sep18	Link 28	03:50
	<i>Chief Technology Officer, ANSYS</i>				
29	T Kesavadas	Brain Computer Interface and Control of Manufacturing Robots	Sep25	Link29	04:44
	<i>University of Illinois at Urbana-Champaign</i>				
30	Vaibhav Srivastava	Shared Human-Robot Anatomy: Cognitive modelling and synergistic design principles	Oct 2	Link30	03:48
	<i>Michigan State University</i>				
31	Suhas Joshi	Modeling machining of difficult-to-machine materials	Oct 9	Link31	05:05
	<i>IIT Bombay</i>				
32	Satyandra K Gupta	Realizing Next Generation Additive Manufacturing through Use of Advanced Robotics	Oct 16	Link32	04:00
	<i>University of Southern California</i>				
33	Dipankar Ghosh	Advanced Dielectric Materials and Applications in Manufacturing	Oct 23	Link33	04:18
	<i>3M</i>				
34	Arjun Malhotra	Scope and Opportunities for Entrepreneurship in Product Design &	Oct 30	Link34	05:09

	<i>Charter Member, TiE</i>	Manufacturing			
35	Naresh Chandra Murmu	Metal Additive Manufacturing – Developing Affordable and Accessible System	Nov 06	Link35	05:40
	<i>Senior Principal Scientist, CSIR-CMERI, Durgapur</i>				
36	John Norrish	Recent advances in Gas Shielded Arc Welding	Nov 13	Link36	01:18
	<i>University of Wollongong</i>				
37	Girish Chowdhary	The Robots are Coming – to your Farm!	Nov 20	Link37	05:00
	<i>University of Illinois at Urbana-Champaign</i>				
	George F. Vander Voort	Metallographic practises in Welding	Nov 27	Could not be conducted as Mr Vander Voort was hospitalised on that day.	
	<i>Consultant in Metallography, Failure analysis and Archaeometallurgy</i>				
38	Supriyo Ganguly	Wire plus arc printing of high strength alloys	Dec 04	Link38	03:29
	<i>Cranfield University</i>				
39	Amish Thakkar	How IT is Changing the World - An Example of a Connecting Bridge Between IT and Manufacturing Sectors	Dec 11	Link39	03:12
	<i>Associate Vice President, Infosys</i>				
40	Debdoot Sheet	Vision for Anomaly Detection in Steel Manufacturing	Dec 18	Link40	06:20
	<i>IIT Kharagpur</i>				
41	Nagahanumaiah	Optimizing productivity by addressing 4P challenges in the innovation process	Dec 25	Link41	06:50
	<i>CMTI Bangalore</i>				
42	George F. Vander Voort	Metallography of Welding Processes	Jan 01	Link42	06:00
	<i>Consultant in Metallography, Failure analysis and Archaeometallurgy</i>				
43	Sanjeev Kumar	Industry 4.0 in Steelmaking	Jan 08	Link43	04:44
	<i>IISCO Steel Plant Burnpur</i>				
44	Fengshou Gu	On-rotor sensing of spindle vibration for online monitoring machining process	Jan 15	Link44	06:30
	<i>University of Huddersfield</i>				

45	Dragos Axinte	Time-dependent manufacturing processes: Why the inverse problems need to be solved	Jan 22	Link45	04:00
	<i>University of Nottingham</i>				
46	Swaminathan Gopalswamy	Health Monitoring for Cyber Physical Systems	Jan 29	Link46	03:10
	<i>Texas A&M University</i>				
47	Anandaroop Bhattacharya	Level 1 packaging and interconnects in Electronic Devices - a manufacturing perspective	Feb 05	Link47	03:25
	<i>IIT Kharagpur</i>				
48	Christopher Bailey	Advanced Packaging and Additive Manufacturing for Electronic Products - Current status and future challenge	Feb 12	Link48	08:53
	<i>University of Greenwich</i>				
49	Parthasarathi Mandal	Process modeling and its importance in Manufacturing	Feb 19	Link49	05:00
	<i>University of Manchester</i>				
50	Sujit Banerji	Evolution of Cloud Computing and its importance in Manufacturing	Feb 26	Link50	03:16
	<i>University of Warwick</i>				
51	Jian Cao	Material Property Control in Directed Energy Deposition & Publishing with JMPT	Mar 05	Link51	03:30
	<i>Northwestern University</i>				
52	Suman Chakraborty	Technologies for Bio-Microfabrication: Towards Paradigm Shift in Affordable Healthcare	Mar 12	Link52	45:58
	<i>IIT Kharagpur</i>				
