I-4AM 2019

International Conference on Industry 4.0 and Advanced Manufacturing

28th-29th June 2019
J. N. Tata Auditorium
Indian Institute of Science, Bangalore

Conference Chair: Professor Amaresh Chakrabarti, Indian Institute of Science, Bangalore
Vice-Chair: Dr Manish Arora, Indian Institute of Science, Bangalore

Industry 4.0 uses connected intelligence to improve productivity, quality, flexibility, safety & sustainability across manufacturing enterprises, in which advanced manufacturing such as additive manufacturing or robotics plays a critical role. I-4AM 2019 (pronounced i-forum 2019) provides a platform to bring together all stakeholders in manufacturing and Industry 4.0 in India and abroad to deliberate on the nature, needs, challenges, opportunities, problems and solutions in this transformational area. A specific focus of I-4AM 2019 is to provide a platform for evolving a vision of, and enablers for sustainable, affordable, and human-centric Industry 4.0, and showcase cutting edge practice, research and educational innovation in this area.

I-4AM 2019 is organised by the Centre for Product Design and Manufacturing, Indian Institute of Science, under its CEFC on I4.0India@IISc (Smart Factory) within the SAMARTH Udyog Bharat 4.0 programme of the Department of Heavy Industries, Government of India. `

Topics of the conference include but are not limited to:

Materials Processing & Joining
· Additive manufacturing
· Powder generation
· Friction stir welding
· Deformation processing/ modelling
· Composites

Controls, Autonomous Systems, Robotics
· AGVs/ walking robots/ drones for factory traffic management
· Micro/ nano manufacturing
· Cobotics

Policy & Entrepreneurship
· Start-ups, eco-systems, incubators
· Distributed/ inclusive manufacturing

Supply Chains
· Blockchain
· Market platforms
· Smart contracts
· Network games
· Dynamic routing/ control
· Large scale logistics
· Supply chain simulation
· Optimisation

Industry 4.0
· Wireless sensor networks
· Cyber-security protocols
· Fog/ edge computing
· Artificial Intelligence
· Certification

Digital Manufacturing
· CAD/CAM/CAE
· DFX
· Simulation/visualisation
· AR/VR/MR
· Digital twins
· Model-based manufacturing, informatics, quality control
· Computational metrology
· Digital Human modelling

Sustainable Manufacturing
· Assessment/ traceability
· Lifecycle costing
· Developing new sustainable materials & manufacturing processes

Important Dates

Call for Papers:	22 Feb 2019
Full Paper Submission:	15 Apr 2019
Paper Acceptance:	30 Apr 2019
Final Paper Submission:	15 May 2019
Early Bird Registration:	15 May 2019

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