



**I-4AM**  
**2019**



**International Conference  
on Industry 4.0 and  
Advanced Manufacturing**

**28<sup>th</sup>-29<sup>th</sup> 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:* 31 Mar 2019
- Paper Acceptance:* 30 Apr 2019
- Final Paper Submission:* 15 May 2019
- Early Bird Registration:* 15 May 2019