

# Factory of the **FUTURE**

An Expo on Industry 4.0

24 - 30 January 2019  
Bangalore International Exhibition Centre  
Bangalore, India



## SEMINAR ON FACTORY OF THE FUTURE - THE SMART MANUFACTURING AGE 25<sup>th</sup> January 2019, Bangalore



Concurrent with

**IMTEX 2019**

**Tooltech 2019**

Organiser



Indian Machine Tool  
Manufacturers' Association

Venue



Bangalore  
International  
Exhibition Centre

Knowledge Partner

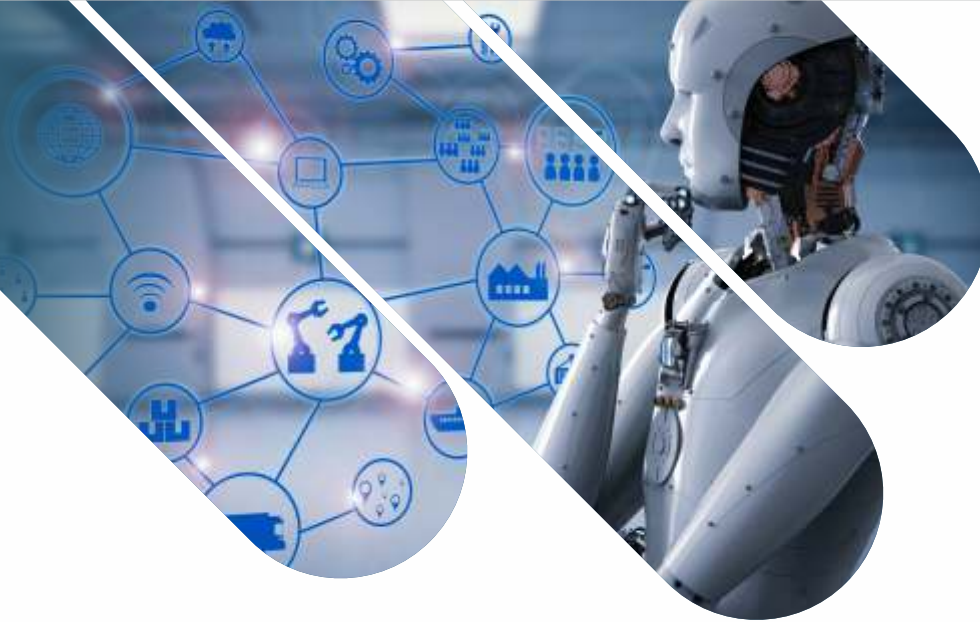


Fraunhofer

Gold Partner



PEPPERL+FUCHS



## SEMINAR OBJECTIVE

Factories and their machines across the globe are getting smarter. Connected products & systems operate as part of a larger, more responsive and agile information infrastructure. The aim is to harvest benefits, efficiency improvements, profitability, increased innovation, better management of safety & performance and environmental impact.

Industry 4.0, commonly known as the fourth industrial revolution involves the use of automation and data exchange in manufacturing environments, encompassing areas such as cyber-physical systems, advanced analytics, the Internet of Things (IoT), cloud computing and cognitive computing. It's not just the western companies that are riding the smart manufacturing trend; Many Indian companies have started the application of Industry 4.0. The thrust towards "Make in India" has taken a significant recognition of Industry 4.0 and has also begun its positioning in this space.

The half day seminar on Factory of the Future will give a global and Indian outlook of industry 4.0 by eliminating the confusion and doubts about Industry 4.0 and its myths, a deeper and holistic understanding the importance of IT infrastructure, data security and IIOT, thereby guiding participants to embark on their journey to implement Industry 4.0.

A large gathering of Industry professionals are expected to attend this seminar with a guided tour to Factory of the Future – An Expo on Industry 4.0 Exhibition. The half-day event scheduled on 25th January 2019 at the BIEC Conference Centre, Bangalore, bearing the theme 'The Smart Manufacturing Age, is presented to you by Indian Machine Tool Manufacturers Association.

## WHAT CAN YOU EXPECT

- ▶ Leading practitioners and Industry implementers will deliver knowledge and case studies.
- ▶ Industry 4.0 solutions and step for your journey to Factory of the Future.
- ▶ Industry 4.0 models that can be implemented & adapted for your business.
- ▶ Case studies from already adopted industry 4.0, across operations in SMEs and large manufacturing Industry.
- ▶ Guided tour of Factory of the Future – An expo on Industry 4.0 Exhibition to experience live demonstration & solutions.

## FEATURED CONFERENCE TOPICS

- ▶ Industry 4.0 – The Global Outlook
- ▶ Cyber Physical System – Platform for Connected Smart Factories
- ▶ Future of Industrial Automation
- ▶ Digital Twins: Advantage of a Powerful Emerging Technology
- ▶ Implementing 4.0 – Journey to transform Large Enterprises and SMEs to Smart manufacturing.

## WHY YOU CAN'T MISS THIS EVENT

- ▶ Meet the experts and decision makers in the manufacturing sector to get an in-depth overview of Industry 4.0
- ▶ Exchange knowledge and gain new perspectives from industry leaders & Implementers of Industry 4.0 solution.
- ▶ Discover new tips, tactics and strategies to inspire & help your business, take advantage of the digitalisation in manufacturing.
- ▶ Give an edge to your technical skills and learn how the latest Industry 4.0 technology can boost efficiency and enable low cost production.
- ▶ Network with your peers and meet new industry colleagues, grab your chance to get your answers for Industry 4.0 & the myth around it.

## SEMINAR AGENDA

- 09:30 - 10:00 Registration
- 10:00 - 10:05 Welcome Address
- 10:10 - 10:15 Lamp Lighting
- 10:15 - 10:35 Inaugural Address
- 10:40 - 11:00 Key Note Address  
**Industry 4.0 - The Global Outlook**
- Digital/Smart Manufacturing – Ground Reality of India
- Prof. Frank Treppe, Managing Director Political and International Affairs, Fraunhofer-Gesellschaft, Germany
- 11:05 - 11:25 **Industry 4.0 – The Reality for Small & Medium Manufactures**
- Chandrashekar Bharathi, Managing Director Ace Micromatic Manufacturing Intelligence Technologies Pvt. Ltd
- 11:30 - 11:50 **Cyber Physical System – Platform for Connected Smart Factories**
- Typical set-up – Monitoring, Remote Controlling, Optimization & Automation.
  - Artificial Intelligence
  - Big Data for Optimization
  - Customised Platform
- Speaker: TBA, SIEMENS
- 11:55 - 12:10 **Networking Refreshments**
- 12:15 - 12:35 **Digital Twins: Advantage of a Powerful Emerging Technology**
- Dr. Ing. Kristian Arntz , Head of Department "Non-conventional manufacturing processes and technology integration"  
Fraunhofer Institute for Production Technology, Germany
- 12:40 - 13:00 **Implementing 4.0 – Journey to transform Large Enterprises and SMEs to Smart manufacturing.**
- Step wise Implementation
  - Frame work to implement Industry 4.0
  - Key to Unlock the True Power of Industry 4.0
  - Sustainability of Industry 4.0 for your Business
- Dipl. Ing. Frank Kuckelsberg, General Manager, Berg & Co Gmbh Spanntechnik, Germany
- 13:05 - 13:50 **Road Map for India? - Panel Discussion**
- Panel Speakers:
- Dr. Andreas Sterzing, Division Director Bulk Metal Forming Fraunhofer Institute for Machine Tools and Forming Technology, Germany
  - Sanjay Chavre, Sr. Development Officer Department of Heavy Industries
  - Anup Wadhwa, Director Foundation of Smart Manufacturing
  - Ravi Agarwal, Managing Director Pepperl+Fuchs Factory Automation Pvt. Ltd.
  - Sambit Pradhan, Sr. Area Sales Director, India & APAC HCL Technologies Ltd.
  - Dr. Athulan Vijayaraghavan, Founder and CTO VIMANA
  - Pravin Pathak, General Manager, BOSCH India
- 13:55 - 14:00 Closing Remarks
- 14:05 - 15:00 Networking Lunch
- 15:00 onwards **Visit Factory of the Future Pavilion & IMTEX 2019 Exhibition**

## WHO SHOULD PARTICIPATE?

CEOs, CTOs, Plant Directors, Top Management, Middle Management, Senior Executives, Practicing Engineers and Industry Consultants from Automotive, Auto Components, Aerospace, Consumer Durables, Machine Tool, Tool Rooms, Defence and Railway Units, General Engineering and other manufacturing industries.

## GUIDED TOUR TO FACTORY OF THE FUTURE – AN EXPO ON INDUSTRY 4.0

A technical exhibition will be held in conjunction with the seminar. The exhibition is intended to provide an opportunity for delegates and visitors to experience live products and solutions to support their decisions to move to factory of the future.

## BENEFITS

- ▶ Guided tour of Additive Manufacturing & Factory of the Future – An Expo on Industry 4.0 pavilion.
- ▶ Technical representative will accompany delegates in both pavilions.
- ▶ One copy of Exhibitor Catalogue to each seminar participant.
- ▶ Experience the live product demonstration of connected factory.



# REGISTRATION FEE

25 January 2019 : Per delegate fee

	Companies nominating upto 3 delegates	Companies nominating more than 3 delegates
IMTMA Members, Micro and Small Enterprises, Research & Educational Institutions	Rs. 2,000/-*	Rs. 1,700/-*
All other Companies	Rs. 2,500/-*	Rs. 2,150/-*

**Note:**

**\* Add 18% GST**

- Delegate fee is non-refundable, however change of nominations accepted.
- Micro and Small enterprise companies must produce valid certificate

Registration for participation must be made online only.  
To register online, log on to [www.imtex.in/fof\\_seminar/register](http://www.imtex.in/fof_seminar/register)  
For details or any queries / clarifications during 'Online registration' process, please contact  
IMTMA's Bangalore office:  
Deepak, tel: 080-6624 6813, ([deepak@imtma.in](mailto:deepak@imtma.in))



IMTMA is the apex body and single point of contact for machine tool industry in India. IMTMA plays a crucial role in the growth and development of metalworking industry in the country.

IMTMA's initiatives range from policy advocacy, export promotion, trade fairs, mega events, training, seminars, technology missions, publications, etc.

IMTMA formed in 1946 has a membership of over 450 members and represents 90% of the organised machine tool and allied equipment manufacturers in the country.

#### Head Office

Bangalore International Exhibition Centre (BIEC),  
10th Mile, Tumkur Road, Madavara Post,  
Bangalore - 562 123

T: +91 80 6624 6600 | F: +91 80 6624 6661

E: [imtma@imtma.in](mailto:imtma@imtma.in)

#### Regional Office (North)

Plot no. 249 F, Phase IV, Udyog Vihar Sector - 18,  
Gurgaon -122 015, Haryana, India

T: +91 124 4014 101 | F: +91 124 4014 108

E: [imtma.ggn@imtma.in](mailto:imtma.ggn@imtma.in)

#### Regional Office (West)

12/5, D-1 Block, MIDC,  
Chinchwad, Pune - 411 019

T: +91 70660 30531 / 532

E: [imtma.pune@imtma.in](mailto:imtma.pune@imtma.in)

