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Contact : fiona@cmtsp.com.sg
Tel : (65) 6346 9138

08:00 Registration

09:00 Chairman's Introduction

09:10 **INDUSTRY 4.0: SINGAPORE'S ROADMAP TOWARDS BECOMING A WORLD-CLASS ADVANCED MANUFACTURING HUB**

- Partnering for success: Key enabler to drive industry 4.0 capabilities
- Programs & initiatives to boost manufacturing productivity growth
- Challenges & opportunities

Dr. Bertil Brandin, Strategy Development Director
Advanced Remanufacturing and Technology Centre (ARTC)

09:45 **ASIA'S MANUFACTURING OUTLOOK & TRENDS**

- Trade wars & "Made in China 2025" Initiative - Economic implications for Asia and the world
- Tapping into the potential of alternative manufacturing hubs - Vietnam, Malaysia, Indonesia
- Key manufacturing trends to watch

Niels Haenisch, Principal, **Boston Consulting Group (BCG)**

10:20 Discussion followed by Coffee

10:50 **5G+IIOT ENABLED MANUFACTURING: A FOXCONN'S PERSPECTIVE**

- General overview, market trends and challenges
 - Relevant case studies, success stories & lessons learned
- Foxconn "Light-out Factory" Awarded as a Manufacturing Lighthouse by World Economic Forum (2019)**

Le-Tian Rong, Chief Marketing Officer, **Foxconn**

11:20 **A NEVER ENDING JOURNEY: CASE STUDY OF INFINEON'S SMART FACTORY**

- From industrial revolution to connected & intelligent production: What are the major transformation drivers?
- Industry 4.0 success stories: Creating competitive edge & advantages
- Potential of Singapore's vibrant ecosystem in unlocking future innovation

Dr. Laurent Filipozzi, VP & Site Head of Plant SIN, **Infineon Technologies**

11:50 **[PANEL DISCUSSION] STANDARDS IN THE IIOT: PAVING THE WAY FOR A SUSTAINABLE FUTURE OF SMART MANUFACTURING**

- Growth of the IIoT and national and international initiatives
- Benefits and status of establishing a standard model and approach for Industry 4.0 applications
- Industrial automation pillars: Cybersecurity, safety and enterprise-control integration
- Governing open source solutions
- Ways forward: Harnessing collaboration between public and private sectors

Panellists:

Dr. John Yong, Chairman - Manufacturing Standards Committee;
Director, Industry Development Office (SIMTech)
Singapore Standards Council

David Chia, Managing Director, **Beckhoff Automation**

12:20 Discussion followed by Networking Lunch

13:35 Chairman's Introduction

13:45 **ADDITIVE MANUFACTURING: FROM AN IDEA TO SHOPFLOOR**

- Why is AM critical for Asia manufacturing competitiveness in future?
 - Creating value from AM
 - Successful case examples from thyssenkrupp's AM experience
- Abhinav Singhal, Chief Strategy Officer, APAC, **thyssenkrupp**

14:15 **TRANSFORMING OPERATIONS WITH NEXT GENERATION BIOMANUFACTURING**

- Key enablers for fast and flexible Operations to meet changing needs
- Unlocking the value of data through enhancing connectivity
- Successful case examples for cyber risk mitigation and maximizing plant capacity

Wilbur Ho, Director of Manufacturing Operations
Amgen Singapore Manufacturing

14:45 **INDUSTRY 4.0 FOR AEROSPACE: FUTURE TRENDS FOR 2020 AND BEYOND**

Luc Scheffer, Chief of Manufacturing Technology, **Rolls-Royce**

15:15 Discussion followed by Coffee

15:45 **DEVELOPING AN AUTOMATION ECOSYSTEM FOR SOCIETY 5.0 IN JAPAN**

- Key challenges in Japan & vision of society 5.0
- Case Study: 3M's innovation story and leverage of platforms
- Automation examples & challenges
- Japan's approach in building automation ecosystem for sustainable growth

Dr. Liu Qiao, Executive Director | Chief Technical Officer, **3M**

16:15 **AUTONOMOUS ROBOTICS TO ACCELERATE COST-EFFICIENCY & PLANT PRODUCTIVITY**

- Cobotisation vs. robotisation
- Autonomous mobile platforms
- Demand for higher-payload robots for industrial applications

16:45 End of Day 1



08:00 Registration

09:00 Chairman's Introduction

09:10 REVOLUTIONIZING MANUFACTURING WITH RISE OF IIOT: INDIA PERSPECTIVE

- Manufacturing trends to watch out for and how to keep up?
- Actual case studies and examples for simplification and cost effective IIOT
- New positive way of looking at VUCA
- On-going & future investment plans

Dr. S Devarajan, SVP Production Engineering;
Chairman, Mfg Committee,
Bangalore Chamber of Industry & Commerce
TVS Motor

09:40 A NEW ERA OF INNOVATION SMART PRODUCTION SYSTEM: CASE STUDY OF BMW

- Digitalization & Industry 4.0 Strategy of BMW
- Industry 4.0 & smart production system use cases

Sierra Wang, Senior Manager - Digitalisation & Innovation
BMW Brilliance

10:10 Discussion followed by Coffee

10:40 THE FUTURE OF CHEMICAL PLANT WITH TECHNOLOGY INTEGRATION

Goh Koon Eng, General Manager ; Vice Chairman,
Singapore Chemical Industry Council (SCIC)
Chevron Oronite

11:10 BE PREPARED FOR CYBERSECURITY CHALLENGES OF INDUSTRY 4.0

- Potential cyber threats
- Smarter security challenges & solutions
- On-premise vs cloud
- Cyber security best practices to create the right base for secure manufacturing ecosystem of tomorrow

11:40 [WORKER 4.0 PANEL] DEVELOPING AND NURTURING TOMORROW'S WORKFORCE

- What automation production means for employment? Government/University's role in preparing the new generation for the dynamics in new work environment
- Capitalizing change from within - start with the mindset
- Overcoming shortage of skill based talents
- Mapping the skills that will power manufacturing
- Capturing potential of millennials in work place

Panellists:

Goh Koon Eng, General Manager ; Vice Chairman,
Singapore Chemical Industry Council (SCIC)

Chevron Oronite

Recipient of The Skills Future Employer Awards (2019)

Dr. Bertil Brandin, Strategy Development Director
Advanced Remanufacturing and Technology Centre (ARTC)

Huei Sin Ee, Vice President, Keysight Education; Vice President,
General Electronics Measurement Solutions (GEMS)

Keysight Technologies

12:10 Discussion followed by Networking Lunch

13:25 End of Conference.

FEE DETAILS

Per Person Fee for Conference:	(USD)
Regular Fee for 1	1295.00
Register 3 or more (per person)	1095.00
Pay Online By 10 Jan with Visa/MasterCard & SAVE USD100 (per person)	-100.00
<i>Not applicable with any other discount</i>	

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