

INTERNATIONAL SMART MANUFACTURING 4.0 CONFERENCE | 2019

INDUSTRY 4.0 SUCCESSFUL IMPLEMENTATION



18TH - 20TH | PERDANA
SEPTEMBER
2019 | HALL-MITI,
KUALA LUMPUR, MALAYSIA.



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MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY



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THE INEVITABLE MANUFACTURING TRANSITION IMPLEMENTATION OF INDUSTRY 4.0



The rapidly evolving manufacturing landscape requires manufacturing companies to re-evaluate their current approaches and strategies to remain relevant and competitive, both locally and globally. To reimagine the manufacturing industry by successful adoption of greater digital technologies to increase efficiency, speed and agility, the manufacturing industry requires the ability to be able to rapidly transition into the Smart Manufacturing paradigm by adopting the Industry 4.0. This will give the companies the ability to quickly respond to the demanding market changes and customer responsiveness in today's digitally connected market place. This can only be achieved by implementing higher levels of manufacturing competitiveness.



Manufacturing sector have seen major evolution since Industrial Revolution 1.0 through to the current challenging Industrial Revolution 4.0, which is named Industry 4.0 globally or Industry4WRD by Ministry of International Trade and Industry (MITI). The manufacturing industry is constantly evolving from the use of intensive labor force to the use of automation and robotics to increase production efficiency and reduce the cost of labor.

An efficient manufacturing sector would pave the way to enhance the industry's productivity, high-skilled talent pool, innovation capacity and the well being of our national economic prosperity.

The Smart Manufacturing 4.0 Conference 2019 will discuss various readiness and challenges faced by the manufacturing industries in Malaysia, both large companies and SMEs and solutions to successfully implement Industry 4.0.



People Talent Challenges and Solutions

Transitioning to the new smart manufacturing paradigm Industry 4.0 are driven by two key pillars, the people readiness and the manufacturing process readiness. Both people and process excellence delivers operational excellence. The people readiness is a priority because only capable people with relevant skill and knowledge will adopt and implement efficient high technology processes. Developing the required human capital and retaining our existing talents by providing them with the right skill and technical support is critical.

The People Readiness and Culture Discussion:

Talent and Skills Required for Industry 4.0 Implementation.

Creating the People Culture and Readiness for the Factories of the Future.

Training needs for the Engineers for Factories of the Future - Industry 4.0.

EXCLUSIVE THREE DAYS INTERNATIONAL CONFERENCE IN SMART MANUFACTURING AND SUCCESSFULLY IMPLEMENT INDUSTRY 4.0. FEATURING EXPERT PRESENTATIONS AND CASE STUDIES – SHOW CASING INTERNATIONALLY RENOWNED AND DISTINGUISHED SPEAKERS.

► THE PROGRAMME - DAY ONE

Opening Ceremony

- 8.00 am - Registration
- 8.30 am - Media registration
- 8.50 am - Arrival of Guest of Honour
- 9.00 am - Welcoming speech by GOH
- 9.10 am - Speech by Guest of Honor
- 9.30 am - Launch gambit
 - Launch ends
 - Guests proceed to Perdana Hall - Dining Area for Refreshments
- 10.00am - Participants proceed to Seminar 2 for Refreshments
- Media proceed to Seminar 1 for Press Conference
- Conference Starts

Session 1: 10.30 a.m

The National Policy on Industry 4.0
Speaker: Ms. Vimala Murugan, Malaysia
Duration: 45 minutes

Session 2: 11.15 a.m

Human Resources Development Fund Malaysia
Speaker: Mr. Elanjelian Venugopal, Malaysia
Duration: 45 minutes

Session 3: 12.00 p.m

The Smart Manufacturing 4.0
Speaker: Mr. Mark Fusco, Australia
Duration: 45 minutes

NETWORKING LUNCH (12.45 p.m - 1.45 p.m)

12.45 p.m Lunch (60 minutes)

Session 4: 1.45 p.m

The Smart Manufacturing 4.0 - Talent and Skills
Speaker: Mr. Mark Fusco, Australia
Duration: 45 minutes

Session 5: 2.30 p.m

Industry 4.0 - Application of Statistical Method for Data Analysis
Speaker: Professor Dr. Tsukasa Hakimoto, Japan
Duration: 45 minutes

3.15 p.m Hi-Tea (20 minutes)

Session 6: 3.35 p.m
Panel Discussion with Industry Experts, Implementers and SMEs

Panellist:

- UniKL - Prof. Dato' Dr. Mazliham Mohd Su'ud
- ViTrox Technologies Sdn Bhd
 - Mr. Gary Leong Chee Yeong
- SGT Konsult- Ir Kumar Subramaniam
- Putra Intelek International College
- Dr. Barathan Muniandy

Moderator: Ben Ibrahim

Duration: 45 minutes

4.20 p.m Ends

► THE PROGRAMME - DAY TWO

- 8.00 am Arrival of participants
- 9.00 am Welcoming speech by Malaysian Institute of Management CEO - Mr. Sivanganam Rajaretnan

NETWORKING LUNCH (12.10 p.m - 1.10 p.m)

Session 7: 9.10 a.m

Factories of the Future Industry 4.0 - Delivering Operational Excellence Data Analysis
Speaker: Mr. Derek Ong, Singapore
Duration: 40 minutes

9.50 a.m Morning tea break (20 minutes)

Session 8: 10.10 a.m

Industry Network and the Adoption of Industry 4.0
Speaker: Ms. Kosette Lambert, Australia
Duration: 40 minutes

Session 9: 10.50 a.m

Enabling Digital Transformation with Drone Technology
Speaker: Dato' Sri Ganes, Malaysia
Duration: 40 minutes

Session 10: 11.30 a.m

Leveraging IR4.0 for Increased Agility, Efficiency and Competitiveness
Speaker: Mr. Prasad Kale, Singapore
Duration: 40 minutes

12.10 p.m Lunch (60 minutes)

Session 11: 1.10 p.m

Engineers of the Future - Readiness
Speaker: Hj. Ir. Shamil Abu Hassan, Malaysia
Duration: 40 minutes

Session 12: 1.50 p.m

Industry Expert on Competency, Skill Development, Leadership and Learning Organizational Culture
Speaker: Major Dr. J. Prebagaran
Duration: 40 minutes

Exclusive Networking Dinner at KL Tower - Only 250 registered participants

Session 13: 2.30 p.m

Industry 4.0 - Application for Robotics and IoT for SMEs

Speaker: Prof. Dr. Ishkandar Baharin, Malaysia

Duration: 40 minutes

3.10 p.m Hi-Tea (20 minutes)

Session 14: 3.30 p.m

Exclusive Interaction Session on Government

Incentives for Industry 4.0

Panellist: Government agencies

- MIDF
- SME Corp
- MARii
- Bank Pembangunan
- MPC
- SIRIM

Moderator: Prof. Dr. Ishkandar Baharin, Malaysia

Duration: 60 minutes



4.30 p.m Ends

► **THE PROGRAMME - DAY THREE**

8.00 am Arrival of participants

9.00 am Welcoming speech by Malaysia SME
CEO - Mr. Wayne Lim

Session 15: 9.10 a.m

Smart Manufacturing Industry 4.0 - Assessment,
Readiness and Successful Implementation

Speaker: Dr. Azlan Nithia, Malaysia

Duration: 40 minutes

9.50 a.m Morning tea break (20 minutes)

Session 16: 10.10 a.m

Industry Dialogue Session with Chief Ministers of
Selangor, Penang and Kedah.

Duration: 50 minutes

NETWORKING LUNCH (11.40 a.m)

Session 17: 11.00 a.m

Smart Factories of The Future - Operational Readiness

Speaker: Prof. Dr. Gondalekar, India

Duration: 40 minutes

11.40 a.m Lunch at Seminar room

Certificate collection at registration booth

Conference Ends

★ **LIMITED SEATING!** ★
FIRST COME FIRST SERVE

SHOWCASING PRESENTATIONS FROM WORLD CLASS LEADING INDUSTRY EXPERTS IN SMART MANUFACTURING, INDUSTRY 4.0 IMPLEMENTATION, IoT AND CASE STUDIES

Mr Elanjelian Venugopal, Malaysia.

CEO of Human Resources Development Fund Malaysia.
HRDF Key Note Speaker, Ministry of Human Resources Malaysia.
The Role of Human Resources Development Fund Malaysia – Industry 4.0 Knowledge Based Training for SMEs and Larger Industries.

Mr. Mark Fusco, Australia.

General Manager and Renowned Facilitator for Industry 4.0.
The Connected Factories of the Future, Smart Manufacturing, Industry 4.0.
and the required Talents, Skills and Culture to Successfully Implement Industry 4.0.

Professor Dr. Ishkandar Baharin, Malaysia.

Advisor, Malaysia Automotive, Robotics and IoT Institute (MARii),
President and Founder, Malaysia Robotics and Automation Society (MyRAS).
Executive Chairman, Techcapital Group.

Ms. Vimala Murugan, Malaysia.

Director Industrial Policy, Ministry of International Trade and Industry. Minister Council (Economic Affairs).
Mission of Malaysia to the European Union.
National Policy on Industry 4.0, Ecosystem for Industry 4.0 Technologies to be Adopted and Transformation of Manufacturing Industries.

Professor Dr Tsukasa Hokimoto, Japan.

University of Tokyo (Research Fellow) and Professor at Hokkaido Information University.
Published research articles in five publications.
Industry 4.0 – Application of Statistical Method for Data Analysis.

Mr. Prasad Kale, Singapore.

Head of Manufacturing, Industry 4.0 and IoT Industry Expert.
Modernizing manufacturing by leveraging the Industry 4.0 for increased agility, efficiency and competitiveness.

Mr. Derek Ong, Singapore.

Industry 4.0 Program and Planning.
Accelerating the ROI for Industry 4.0 implementations in manufacturing and related strategy to succeed.

Hj. Ir Shamil Abu Hassan, Malaysia.

Dean, DRB-Hicom University, Malaysia.
Author - Professional Engineer Interview.
Engineers of the Future – Readiness for Industry 4.0 and Factory of the Future.

Dr. Azlan Nithia, Malaysia.

Industry Expert for Lean, Smart Manufacturing and Industry 4.0.
Author - Transitioning into New Manufacturing Paradigm.
Smart Manufacturing and Industry 4.0 – Assessment, Readiness and Successful Implementation.

Professor Dr Gondalekar, India.

Dean for Business Design and Operational Excellence.
Author: Chronicles of a Quality Detective.
World renowned Problem-Solving and Lean Manufacturing Industry Expert.
Smart Factory of the Future – Manufacturing Foundation and Operational Excellence Readiness and Industry 4.0 Implementation.

Ms Kosette Lambert, Australia.

General Manager and Co-Founder Advanced Focus, Australia.
Looking beyond Organizational Boundaries to Leverage Collective Knowledge and Accelerate the Adoption of Industry 4.0

Dato Sri Ganes, Malaysia.

CEO and Founder SG Education Group, Malaysia.

Major Dr. J Prebagaran, Malaysia.

Founder and CEO, SMC Professional Center for Learning & Development.
Industry Expert on Competency, Skill Development, Leadership and Learning Organizational Culture.
Inspiring Learning to Develop Talent Requirement for Industry 4.0 Implementation.

The Panel Key Speakers specialized on Industry 4.0, Related Agencies, NGOs and SMEs.

Malaysian SMEs challenges, issues and solutions to overcome them.
The programmes offered by Malaysian government agencies, NGOs and Financing Models for SMEs.



DON'T MISS THIS IMPORTANT INTERNATIONAL EVENT

EXCLUSIVE THREE DAYS' INTERNATIONAL CONFERENCE IN SMART MANUFACTURING AND SUCCESSFULLY IMPLEMENTING INDUSTRY 4.0. FEATURING EXPERT PRESENTATIONS AND CASE STUDIES – SHOWCASING INTERNATIONALLY RENOWNED AND DISTINGUISHED SPEAKERS

WHAT TO EXPECT FROM THIS CONFERENCE?

This large scale international conference is designed to attract all those involved in the manufacturing and related supportive industry sectors. We are inviting large corporations, MNCs and SMEs to join this important conference that is focused on creating the operational excellence foundation with intelligent lean and smart manufacturing application, upgrading, readiness and successfully implement industry 4.0.

Manufacturing industry must transform their current capabilities to enhance competitiveness and rethink methods by implementing higher manufacturing technologies, robotics, IoT, digital connectivity to reduce lead time and cost, to be highly responsive and competitive in a global business for operational excellence.

People Talent Readiness, rising labour costs, shortage of skilled labour, high dependency on foreign labour and training needs for future Engineers' readiness for Industry 4.0 creating the people culture and achieving the status of the Factory of the Future.

We have invited renowned industry experts who are specialised in Industry 4.0 application and highly experienced in smart manufacturing implementations. This conference is very timely and important for every industry to succeed in achieving the Factory of the Future.

Great news for Students and Academicians. Lean Smart is offering sponsorship worth RM320,000 for 100 pax from Universities and Colleges. Hence, students and academicians should utilize this opportunity to participate in this conference with a minimal fee. Through this conference, participants will have a clear road map on Industry 4.0, digitally connected industry, readiness of people talent can be understood and be aligned with the industry's needs and requirements for future engineers.



THIS INTERNATIONAL CONFERENCE IS RELEVANT AND IMPORTANT FOR ALL SECTOR INVOLVED IN:

- ✓ Manufacturing
- ✓ Supply Chain
- ✓ System Integrators
- ✓ Trade associations
- ✓ Electric and Electronics
- ✓ Packaging
- ✓ Automotive
- ✓ Aluminum
- ✓ Agriculture Equipment
- ✓ Toys
- ✓ Oil and Gas
- ✓ Military and Defense
- ✓ Machinery
- ✓ Aerospace
- ✓ Education
- ✓ Consumer Goods
- ✓ Medical and Pharmaceutical Industry

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