

# INTERNATIONAL SMART MANUFACTURING 4.0 CONFERENCE | 2019

INDUSTRY 4.0 SUCCESSFUL IMPLEMENTATION



**18<sup>TH</sup> - 20<sup>TH</sup>** | **PERDANA**  
 SEPTEMBER | HALL-MITI,  
 2019 | KUALA LUMPUR, MALAYSIA.



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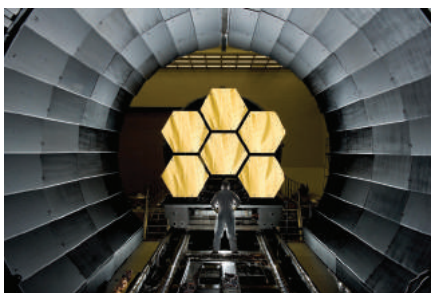


ADVANCE AV STUDIO

# 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

### Session 1: 9.00 a.m Conference Start

#### The National Policy on Industry 4.0.

MITI-Speaker, Ministry of International Trade and Industry.

- ◆ National Policy on Industry 4.0, Ecosystem for Industry 4.0 Technologies to be Adopted and Transformation of Manufacturing industries.

**Speaker : Ms. Vimala Murugan, Malaysia.**

Director Industrial Policy, Ministry of International Trade and Industry.

### Session 2:

#### 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.
- ◆ HRDF Offerings and Services given to Manufacturing Industries and SMEs.

**Speaker : Mr Elanjelian Venugopal, Malaysia.**

CEO, Human Resources Development Fund Malaysia.



## ▶ THE PROGRAMME - DAY TWO

### Session 6: 9.00 a.m Conference Start

#### Conference Opening Speech:

Mr Sivanganam Rajaretnam, Malaysia.

CEO, Malaysian Institute of Management.

Mr Hermawan Kartajaya, Indonesia.

CEO and Founder of Markplus Indonesia.

#### Factories of the Future Industry 4.0 – Delivering Operational Excellence.

##### Smart Manufacturing 4.0.

Industry 4.0 Program & Planning Manager, Key Sight Technologies, Singapore.

- ◆ Accelerating ROI of Industry 4.0. in Manufacturing with Right Strategy.

**Speaker : Mr. Derek Ong, Singapore.**

Industry 4.0 Program and Planning.

### Session 7:

#### Creating the Organizational Culture Readiness for Industry 4.0.

Founder and CEO, Saxagon Limited and Lucidi4 Limited.

Author: Make it Right for Manufacturing Leaders.

- ◆ Creating the people culture and readiness for the Factories of the Future Industry 4.0.

**Speaker : Mr. Kevin Snook, USA.**

Founder and CEO, Saxagon Limited and Lucidi4 Limited.

NETWORKING LUNCH ( 12.30 p.m to 1.30 p.m )

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### Session 3:

#### The Smart Manufacturing 4.0.

Managing Director, Advanced Focus Australia.

Speaker and Facilitator for Industry 4.0 and Factories of the Future.

- ◆ The Connected Factories of the Future.
- ◆ Smart Manufacturing - Industry 4.0.

**Speaker : Mr. Mark Fusco, Australia.**

General Manager and Renowned Facilitator for Industry 4.0.

### Session 4:

#### The Smart Manufacturing 4.0 – Talent and Skills

Managing Director, Advanced Focus Australia.

Speaker and Facilitator for Industry 4.0 and Factories of the Future.

- ◆ Talent and Skills Required for Industry 4.0 Implementation.

**Speaker : Mr. Mark Fusco, Australia.**

General Manager and Renowned Facilitator for Industry 4.0.

### Session 5:

#### Industry 4.0 – Application of Statistical Method for Data Analysis

University of Tokyo (Research Fellow) and Professor at Hokkaido Information University.

**Speaker : Professor Dr Tsukasa Hokimoto, Japan.**

Published research articles in five publications.

Day 1 – Discussion and Closing Speech  
( 4.45 p.m : Conference End )

### Session 8:

#### Factories of the Future – IoT Readiness and Implementation.

Industry 4.0 Evangelist and IoT Solution Architect.

- ◆ Breaking Through Traditional Manufacturing: Analyzing your Organization's Readiness for IoT Technology and Smarter Processes.
- ◆ Successfully Implementing IoT – The Opportunities in Manufacturing.

**Speaker : Dr. M. Imran Sarwar, Malaysia.**

Industry 4.0 Evangelist and IoT Solution Architect.

### Session 9:

#### Leveraging IR4.0 for Increased Agility, Efficiency and Competitiveness.

Head of Manufacturing & Distribution Industry 4.0 and IOT, APAC, Hewlett Packard (HP), Singapore.

- ◆ Modernizing Manufacturing by Leveraging the 4th Industrial Revolution for Increased Agility, Efficiency and Competitiveness.

**Speaker : Mr. Prasad Kale, Singapore.**

Head of Manufacturing, Industry 4.0 and IoT Industry Expert.

**Session 10:**

**Engineers of the Future - Readiness**

Dean, School of Advanced & Distance Learning,  
DRB-Hicom University.

Author: Professional Engineer Interview – an expert  
guide to a successful application.

- ◆ Engineering education and training needs for  
engineers readiness for the Industry 4.0 and  
Factories of the Future.

**Speaker : Hj Ir Shamil Abu Hassan, Malaysia.**  
Dean, DRB-Hicom University, Malaysia.



Day 2 - Discussion and Closing  
4.30pm : Conference End

**▶ THE PROGRAMME - DAY THREE**

**Session 11: 9.00 a.m Conference Start**

Conference Opening Speech:

**Mr Wayne Lim, Malaysia.**

CEO and Founder of Malaysia SME Paper.

**Smart Manufacturing Industry 4.0 – Assessment, Readiness  
and Successful Implementation.**

Industry Expert, International Speaker and Facilitator for Lean  
and Smart Manufacturing Industry 4.0.

Author: Transitioning into New Manufacturing Paradigm  
(www.azlannithia.com).

- ◆ Assessment, Implementing the Foundations for the  
readiness and Application of Smart Manufacturing  
Industry 4.0.

**Speaker : Dr Azlan Nithia, Malaysia.**

Industry Expert for Lean, Smart Manufacturing and Industry  
4.0. Founder of Lean Smart.

**Session 12:**

**Industry 4.0 - Application of Robotics and IoT for SMEs.**

President of Malaysia Robotics and Automation Society (MyRAS).  
Advisor, Malaysia Automotive, Robotics and IoT Institute (MARii).

**Speaker : Professor Dr. Ishkandar Baharin, Malaysia**

Industry Expert and consultant for Robotics and Automation.

NETWORKING LUNCH ( 12.30 p.m to 1.30 p.m )

**Session 13:**

**Smart Factories of the Future – Operational Readiness.**

Dean, Business Design, Wellingkar Institute of Management,  
Mumbai, India.

Dean for Business Design and Organization Transformation.  
Author: Chronicles of a Quality Detective.

- ◆ Smart Factory of the Future – Manufacturing Foundation  
and Operational Excellence Readiness for Industry 4.0  
Implementation.

**Speaker : Professor Dr Gondalekar, India.**

Dean for Business Design and Operational Excellence

**Session 14:**

**Industry Expert on Competency, Skill Development,  
Leadership and learning organizational culture.**

- ◆ Inspiring Learning to Develop Talent Requirement  
for Industry 4.0 Implementation.

**Speaker : Major Dr J Prebagaran, Malaysia.**

Founder and CEO, SMC Professional Center for  
Learning & Development.

**Session 15:**

**Panel Discussion with Industry Experts,  
Implementers and SMEs.**

- ◆ Malaysian SMEs challenges, issues and solutions  
to overcome them. The programmes offered by  
Malaysian government agencies, NGOs and  
financing models for SMEs.

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

Day 3 – Discussion, Program Evaluation  
and Closing Speech  
3.00pm – End of Conference

**Conference Moderator:**

**YBHG Associate Professor Dr Mohammad Bin Abdul Rahman**

University of Kuala Lumpur (UniKL),  
Royal College of Medicine Perak (RCMP)



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

- 01 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.
- 02 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.
- 03 Professor Dr. Ishkandar Baharin, Malaysia.**  
Executive Chairman, ATIA Robotics Sdn. Bhd.  
Advisor, Malaysia Automotive, Robotics and IoT Institute (MARii),  
President, Malaysia Robotics and Automation Society (MyRAS).  
Managing Director, TechCapital MyRo Sdn. Bhd.
- 04 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.
- 05 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.
- 06 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.
- 07 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.
- 08 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.
- 09 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.
- 10 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.
- 11 Mr. Kevin Snook, USA.**  
Founder and CEO, Saxagon Limited and Lucidi4 Limited.  
Author - Make it Right for Manufacturing Leaders.  
People Culture Requirements and People Readiness for the Factories of the Future Industry 4.0.
- 12 Dr. M Imran Sarwar, Malaysia.**  
Industry 4.0 Evangelist and IoT Solution Architect.  
Factories of the Future – IoT Readiness and Implementation.
- 13 Major Dr. J Prebagan, 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.
- 14 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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Contact us now: Tel: +604-3989563 / +6010-3725133 | Email: [ismc2019@leansmartindustry.com](mailto:ismc2019@leansmartindustry.com)

