

intelligent
manufacturing

16 - 18 March 2023
Kuala Lumpur Convention
Centre (KLCC), Malaysia

SMEs 4.0: Moving up in the Manufacturing Value Chain



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Conference Programme
www.myintelligentmanufacturing.com



Organiser



Conference Co-organiser



SMEs 4.0: Moving up in the Manufacturing Value Chain

Target audiences

Manufacturers, dealers, agents, distributors, system integrators, solution providers, academicians, trade association, government agency, publisher, research institution, university, polytechnic and others

Product groups

Digital Factory

Big Data, Data Generation, AIoT, Open Source, 3D Modelling Software, Enterprise Resource Planning (ERP), Manufacturing Execution Systems (MES)

Information Systems & Technologies

Cloud Services / Computing, Cyber Security, Big data analytics, Smart Operation Technology, Asset Management Systems, 5G and Infrastructure

Operational Technologies

Cyber Physical Systems, 3D Printing Machine, Predictive Maintenance, Robotics, Collaborative Robots, Sensor Technologies, Control Systems, Smart Warehousing, Smart Logistics (AGV), Instrument Measurement and Control



Event formats



Conferences



Deep Dive*



Tech Labs**



Booths

*Interactive sessions that allow for a more focused, in-depth exploration of a topic than is possible in regular sessions

**Scheduled presentations

Our speakers

intelligent manufacturing



Prof Dr David Romero
Professor of Advanced
Manufacturing Tecnológico de
Monterrey, Mexico



Dr Chua Wen-Shyan
Head of Malaysian Smart Factory 4.0,
Selangor Human Resource Development
Centre (SHRDC)



Dr Ing Dominic Gorecky
Head of Swiss Smart Factory,
Switzerland Innovation



Datuk Shahul Dawood
Chief Executive, HRD Corp



Raimund Klein
Founder and Chief Executive Officer
International Centre for Industrial
Transformation (INCIT)



Loong Kin Leong
Senior General Manager,
Manufacturing Support Services,
Auto Global Parts Industries



Dr Jeffrey Da-Jeng Yao
General Director,
Mechanical and Mechatronics System Lab,
Industrial Technology Research Institute



Laurence Liew
Director of Innovations,
AI Singapore



Fabian Bigar
Chief Executive Officer
MyDigital Corporation, Ministry of Economy,
Prime Minister's Department Malaysia



Racheal Choo
Co-founder of Roll Robotics,
Malaysia & Thailand, Roll Robotics



Nicholas Tay
Chief Marketing Officer,
Global Cloud Business,
Sangfor Technologies



Scan for
speakers profile

Day 1 Conference Programme (16 March 2023, Thursday)

Emerging Technology Trends towards Manufacturing Excellence

- 10:00 – 10:15 **Opening Remark**
- 10:15 – 10:45 **Keynote: A Path to a Brighter Future of Smart Manufacturing via People-centricity, Process Innovation, and Technology Adoption**
Prof Dr David Romero, Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico
- 10:45 – 11:15 **Demystifying Sustainability and Digital Transformation for SME**
Raimund Klein, Founder and Chief Executive Officer, International Centre for Industrial Transformation (INCIT)

11:15 – 11:30 **Tea Break**

- 11:30 – 12:30 **Panel Discussion: Government Initiatives for Technology Adoption – Challenges and Opportunities, EU vs Asia**
Moderator:
Dr Ing Dominic Gorecky, Head of Swiss Smart Factory, Switzerland Innovation
Panel Speakers:
Fabian Bigar, Chief Executive Officer, MyDigital Corporation, Ministry of Economy, Prime Minister's Department Malaysia
Dr Jeffrey Da-Jeng Yao, General Director, Mechanical and Mechatronics System Lab, Industrial Technology Research Institute (ITRI)
Raimund Klein, Founder and Chief Executive Officer, International Centre for Industrial Transformation (INCIT)
- 12:30 – 13:00 **Sustainability in Smart Manufacturing / ESG's impact in Manufacturing**
Eric Huang, Vice-President of Business Development, Synergies Intelligent Systems, Inc.

13:00 – 14:00 **Lunch Break**

Human-Machine Collaboration for Sustainable Manufacturing

- 14:00 – 14:30 **Keynote: Intelligent and Collaborative Robotics for Manufacturing of the Future**
Junjie Xiong, Vice General Manager, Hangzhou Shenhao Technology Co., Ltd.
- 14:30 – 15:00 **Autonomous Mobile Robots for Smart Warehousing Management Systems**
Lee Kok Soong, Managing Director, Omron Electronics Sdn Bhd
- 15:00 – 15:30 **Success Story on Human-Machine Collaboration for Intelligent Robotics**
Keith Tay, Assistant General Manager, CPI (KL) Sdn Bhd

15:30 – 15:45 **Tea Break**

- 15:45 – 16:00 **Developing a Sustainable Talent Ecosystem for Intelligent Manufacturing**
Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC)
- 16:00 – 16:30 **Human-Centric Factory Transformation**
Markus Khachan, Smart Factory Strategic Sales Consultant, Bossard Ltd
- 16:30 – 17:00 **Success Story on Sustainable Digital Transformation and Implementation through Talent Development Strategies**
Loong Kin Leong, Senior General Manager, Manufacturing Support Services, Auto Global Parts Industries
- 17:00 – 18:00 **Panel Discussion: People-Centric Approach for Technology Adoption**
Moderator:
Prof Dr David Romero, Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico
Panel Speakers:
Datuk Shahul Dawood, Chief Executive, HRD Corp
Loong Kin Leong, Senior General Manager, Manufacturing Support Services, Auto Global Parts Industries
Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC)
Hong Kok Cheong, Vice President of ESG Association Malaysia



Scan for
Conference
programme

Day 2 Conference Programme (17 March 2023, Friday)

09:00 – 09:45
(For pre-registered academia and students)

Global Collaborative Network

Research and Development Opportunities in Intelligent Manufacturing

Prof Dr David Romero, Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico

Dr Ing Dominic Gorecky, Head of Swiss Smart Factory, Switzerland Innovation

Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0,

Selangor Human Resource Development Centre (SHRDC)

Dr Jeffrey Da-Jeng Yao, General Director, Mechanical and Mechatronics System Lab, Industrial Technology Research Institute (ITRI)

Data Analytics and Artificial Intelligence for Intelligent Manufacturing

10:00 – 10:25

Keynote: Real-Time Monitoring for Effective Factory Intelligence

Dr Jeffrey Da-Jeng Yao, General Director, Mechanical and Mechatronics System Lab, Industrial Technology Research Institute (ITRI)

10:25 – 10:50

Data Analytics and Artificial Intelligence: The lifeblood of manufacturing

Laurence Liew, Director of Innovations, AI Singapore

10:50 – 11:15

New smart industrial controls architecture. Unification, scalability and intelligence for the smart manufacturing

Maksim Sonnykh, Head of Factory Automation and *Admad Khairi*, Bosch Rexroth Academy Manager, Bosch Rexroth Sdn Bhd

11:15 – 11:30

Tea Break

11:30 – 12:00

Advantages of Digital Automation platform at the Edge with Sangfor Cloud Technology, to help Manufacturing verticals enhance Decision Making via Data Analytics

Nicholas Tay, Chief Marketing Officer, Global Cloud Business, Sangfor Technologies

12:00 – 13:00

Panel Discussion: Data & Intelligence / Analytics for Improving Profit

Moderator:

Dr Ing Dominic Gorecky, Head of Swiss Smart Factory, Switzerland Innovation

Panel Speakers:

Raimund Klein, Founder and Chief Executive Officer, International Centre for Industrial Transformation (INCIT)

Dr Jeffrey Da-Jeng Yao, General Director, Mechanical and Mechatronics System Lab, Industrial Technology Research Institute (ITRI)

Laurence Liew, Director of Innovations, AI Singapore

Nicholas Tay, Chief Marketing Officer, Global Cloud Business, Sangfor Technologies

13:00 – 14:00

Lunch Break

Deep Dive Sessions - Digital Twins in Manufacturing: Towards a connected and Intelligent Digital Factory

14:00 – 14:30

Digital Factory through Manufacturing Simulation

Racheal Choo, Co-founder of Roll Robotics, Malaysia & Thailand, Roll Robotics

14:30 – 15:00

Open Topic

Ts Dr Mohd Ibrahim Shapiai, Associate Professor, Electronic Systems Engineering Malaysia-Japan International Institute of Technology (MJIIT), Deep Learning Institute (DLI) Ambassador of NVIDIA Corporation

15:00 – 15:30

Success Story: Digital Twin Integration for Future of Machining

Lin Sheau Wei, Group Managing Director, Tonasco Holding Sdn Bhd

15:30 – 16:00

Tea Break

16:00 – 17:00

Panel Discussion

Moderator:

Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0,

Selangor Human Resource Development Centre (SHRDC)

Panel Speakers:

Dr Ing Dominic Gorecky, Head of Swiss Smart Factory, Switzerland Innovation

Racheal Choo, Co-founder of Roll Robotics, Malaysia & Thailand, Roll Robotics

Lin Sheau Wei, Group Managing Director, Tonasco Holding Sdn Bhd

Maksim Sonnykh, Head of Factory Automation and *Admad Khairi*, Bosch Rexroth Academy Manager, Bosch Rexroth Sdn Bhd

Ts Dr Mohd Ibrahim Shapiai, Associate Professor, Deep Learning Institute (DLI) Ambassador of NVIDIA Corporation

Tech Lab

- The Tech Lab is to help manufacturers familiarise themselves with these jargons, and the potential solutions that are available to them.
- The Tech Lab provides a unique opportunity for manufacturers to learn about the latest technologies from experts in the field, and to see these technologies in action. Attendees can also gain access to exclusive discounts on some of these technologies.
- The Tech Lab topics are suggested and not final. Exhibitors and sponsors will suggest their preference for the topic.

Day 1 (17 March 2023)

10:30 – 11:30	Data Generation to OEE <i>Technical Trainer: Ts Chooi Yu Choong</i> Selangor Human Resource Development Centre (SHRDC)
11:45 – 12:45	Machine Diagnostics and prognostics solutions for Manufacturing Industry <i>Prashant Kapadia, Chief Growth Officer</i> CIMCON Digital India Pvt Ltd
13:30 – 14:30	Digital Factory <i>Technical Trainer: Ts Noor Zamri</i> Selangor Human Resource Development Centre (SHRDC)
14:45 – 15:45	ESG 101 <i>Prof Rina Neoh</i> Secretary General of ESG Association Malaysia
16:00 – 17:00	Robotic Process Automation (RPA) <i>Technical Trainer: Ts Chooi Yu Choong</i> Selangor Human Resource Development Centre (SHRDC)

Day 2 (18 March 2023)

10:30 – 11:30	Data Analytics <i>Technical Trainer: Alex Koh</i> Selangor Human Resource Development Centre (SHRDC)
11:45 – 12:45	Digital Workflow Management <i>Technical Trainer: Ts Nur Hanani</i> Selangor Human Resource Development Centre (SHRDC)
13:30 – 14:30	Time slot reserved for exhibitor

Conference partners

Conference co-organiser

Selangor Human Resource Development Centre (SHRDC)

A talent and skills development centre that aims to elevate the capabilities of Malaysia's workforce in line Industry 4.0 standards.



SHRDC



**This conference is HRD Corp Levy Claimable*

Technical consultants

Malaysia Smart Factory 4.0

The technology centre under the SHRDC provides hands-on experience and application-based knowledge to support businesses transforming current manufacturing practices into Industry 4.0 processes.

Swiss Smart Factory

A highly flexible platform of research, development and testing, with a firm understanding of global trends owing to a network of connections across various industry sectors.



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Supporters

- International Alliance of Robotics Associations (IARA)
- Machinery and Engineering Industries Federation (MEIF)
- Malaysia Productivity Corporation (MPC)
- Malaysia Robotics & Automation Society (MYRAS)
- Malaysian Rubber Products Manufacturers' Association (MRPMA)
- Singapore Advanced Manufacturing Technology Association (SAMTA)
- Smart4wrd
- The National ESG Association of Malaysia (ESG)



国际机器人组织联盟
International Alliance of Robotics Associations



Machinery & Engineering
Industries Federation



Malaysia Robotics & Automation Society



Malaysian Rubber Products
Manufacturers' Association



Singapore Advanced Manufacturing
Technology Association
新加坡先进制造技术协会



Association of Malaysia



Event facts

Dates

16 – 18 March 2023

Opening hours

10:00 – 18:00

Conference tickets

	Early bird discount (10%) 1 – 15 March 2023 MYR 1,800
Package (Conference & deep dive sessions)	Group purchase Min. 3 tickets or above MYR 1,350
Normal price: MYR 2000	Academia discount (50%) MYR 1,000
	Students discount (75%) MYR 500

*All prices are subjected to local prevailing SST

Contact us now

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