



CONFERENCE DAY 1, 10 JULY 2024 (WEDNESDAY)

09:15 - 09:30 Opening Remark

The Digital Transition to Smart and Sustainable Manufacturing

09:30 - 10:00 **Navigating the Digital Shift Towards a Smart and Sustainable Factory**

Martin will focus on the digital transformation in a manufacturing environment with the objective to drive a twin transformation, achieving with digitization a higher performance and as well improving the sustainability.

Martin Schiesser,

Senior Partner at Detecon (Schweiz) AG,
Head Manufacturing Industries

10:00 - 10:30 **The Sustainability Blueprint: Start, Scale, and Sustain Your Net-Zero (SME) / ESG (MNC) Journey**

Raimund will share on the status and future outlook of smart factories around the world, focusing on digital innovation and efficiency.

Raimund Klein,

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

10:30 - 11:00 **Integrating a Practical Digital Transformation Roadmap towards a Smart Factory**

Vasilis Karamalegos

CEO and Co-Founder,
SmarterChains

~ COFFEE BREAK ~

11:15 - 11:45 **Navigating Global ESG Regulations: Impact and Strategies for Manufacturers**

A deep dive into how global ESG regulations impact manufacturers regardless their location, and will present strategic approaches to address these challenges effectively for business sustainability and growth.

Edison Choong,

Head of ESG unit,
Malaysia External Trade Development
Corporation (MATRADE)

11:45 - 12:15 **Real-world Applications on Leveraging Digitalisation for Sustainable Manufacturing**

Sharing practical examples of how digitalisation and intelligent manufacturing practices contribute towards achieving sustainable manufacturing and the goal of Net Zero.

Michael Chang,

Founder and CEO,
Synergies Intelligent Systems

12:15 - 13:00 **Panel discussion: Sustainability VS Profitability - How to implement sustainable manufacturing while maintaining ROI?**

The coexistence of sustainability and profitability is always a hot topic for discussion when manufacturers embark on their digital transformation. During this panel session, international experts will gather to share their thoughts and tips on maintaining a delicate balance between the two.

Moderator: **Prof Dr David Romero**

Speaker: **Martin Schiesser, Michael Chang, Edison Choong**

~ LUNCH ~

Harnessing the Power of AI, Robotics, and other Operational Technologies for Competitiveness

14:00 - 14:30 **Is Digital Twin Technology a Reality for Manufacturers?**

Mr Balasubramaniam will explain how digital twin technology can be adopted in manufacturing processes, and will showcase how the fusion of digital twins, robots, and AI is driving efficiency, sustainability, and innovation in the manufacturing sector.

Mahadevan Balasubramaniam,

Head of Business Development &
Government Affairs, CEO Office,
Siemens Malaysia

14:30 - 15:00 **Optimum Condition Monitoring: Leveraging on Cloud Data Analytics**

This session will address the data goldmine that manufacturers already have in their factories but are under-utilizing due to poor extraction and analysis. Optimum condition monitoring encourages the use of your data to improve operational capabilities in multi-folds. A simple to execute and manage solution that looks at existing gaps in the production system and automates responses and solutions to reduce wastage and optimise resources.

Sakthivel Narayanasamy,

Chief Executive Officer,
Quantum Computing (M) Sdn Bhd

15:00 - 15:30 **The Role of Generative AI in Shaping Industry 4.0 Workforces**

This session will describe how generative AI is setting the stage for a new era in factory digitalisation and workforce development, detailing its practical applications and benefits based on real-world examples in manufacturing industries.

Rodrigo Nader,

Founder and CEO, Langflow

~ COFFEE BREAK ~

15:45 - 16:10 **Humanoid Horizons: The Future of Cobotic Integration in Switzerland's Production Sectors**

Dr Gorecky will provide a visionary exploration of how humanoid robots and humans can collaborate more closely in production sectors, enhancing efficiency and innovation through cobotic integration.

Dr Ing Dominic Gorecky,

Head of Swiss Smart Factory & Swiss Health
Tech Center, Partner, Executive Board
Member, Switzerland, Innovation Park
Biel/Bienne AG

16:10 - 16:35 **Navigating the Digital Transformation Journey: The Timber Industry Voyage**

The session will share the voyage of the Finesse Moulding's digital transformation journey, covering crucial aspects like minimising disruption, managing complexity, optimising resources, and emphasising employee training for sustainable progress.

See Siou Bin,

General Manager, Finesse Moulding (M) Sdn Bhd

16:35 - 17:20 **Panel Discussion: Collaborative Intelligence and Workplace Transformation - How Organizations Can Achieve a Harmonious Balance Between AI, Robots, and Human Workers?**

Designing the factory of the future requires investigating different scenarios where AI, robots, and human workers collaborate to achieve more efficient work. During this panel session, international experts will analyse and discuss the role of AI and robots as augmenting and collaborative technologies supporting humans to do better and more man capabilities, the need for ongoing training, and the ethical considerations of deploying collaborative systems

Moderator: **Dr Dominic Gorecky**

Speakers: **Rodrigo Nader, Racheal Choo, Dr Chua Wen-Shyan**

17:20 - 17:30 Closing remark



CONFERENCE DAY 2, 11 JULY 2024 (THURSDAY)

Smartifying the ASEAN Industrial Base: Success Stories

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| 09:30 - 10:00 | The Unified Namespace (UNS) to enable low-code digitalisation
The Unified Namespace (UNS) simplifies automation by bridging the gap between various devices and applications. It offers a standardized way to access data, eliminating the need for complex protocol translations. Engineers can then utilize low-code platforms like Node-RED to visually design automation flows, easily connecting different components within the UNS. This streamlined approach allows engineers to quickly experiment, prototype, and implement automation solutions without extensive coding knowledge, saving time and resources. | Zeger-Jan van de Weg,
CEO, Flowfuse |
| 10:00 - 10:30 | Digitalisation as a means to eliminate unplanned manufacturing downtime
As we herald the new age of digitalisation and industry 4.0, companies are increasingly harnessing the power of such technological innovations to eliminate costly unplanned downtime in their manufacturing plants. In this session, Schaeffler will share how digitalisation and remote monitoring solutions can help factories run more efficiently, which ultimately also result in reduced carbon footprint. | Kelvin Chong,
Country Manager,
Schaeffler Malaysia |
| 10:30 - 11:00 | Leveraging Data Analytics, Artificial Intelligence and the Cloud for Manufacturing Excellence
In the era of Industry 4.0, cloud computing, data analytics, and artificial intelligence are revolutionising manufacturing. This presentation will explore how digital transformation enables seamless data integration and scalability, while advanced data analytics and AI unlocks valuable insights from operational data. We will also delve into the transformative potential of generative AI in automating tasks and driving innovation. By harnessing the combined power of these technologies, manufacturers can unlock unprecedented levels of efficiency, productivity, and competitiveness. | Dr Bala Amavasai,
Chief Technology Officer – Industry,
Celebal Technologies |
| ~ COFFEE BREAK ~ | | |
| 11:15 - 11:45 | Digitalisation Odyssey: A Roadmap to Smart and Sustainable Manufacturing
Sharing from Steelcase Malaysia on how they started the Smart Manufacturing journey through the Digital Transformation Roadmap. It all began with a passion for operational excellence, and the introduction and application of emerging technologies and tools in the company. By adapting the concept of Training to Implement and focusing on talent development, the speaker will be sharing on various applications in Steelcase Malaysia from simple electronic forms to IIoT application, that forge a pathway in the transformation while overcoming challenges to maintain business growth in the plant. | Vincent Chong,
Plant Manager, Steelcase Manufacturing
(Malaysia) Sdn Bhd |
| 11:45 - 12:15 | Transformation to digitalisation with sustainability to serve and grow at manufacturing industry
This session will cover the pivotal steps that Dunia Polymer took in their digital transformation journey, sharing the essential managerial strategies and practices to achieve digital success. | Jenny Lee, Marketing Manager and
Chua Yun Chin, Automation Manager,
Dunia Polymer Extrusion Sdn Bhd |
| 12:15 - 13:00 | Panel discussion: Decoding Digital Success - What Constitutes a Successful Digital Transformation?
Designing a path to digital success requires learning from the best practices and common mistakes of those early technology adopters known as "Digital Pioneers". During this panel session, technology vendors and technology users will reflect on their digital transformation journeys. | Moderator: Dr Chua Wen-Shyan
Speaker: Vincent Chong, Kasey Leong,
Kelvin Chong |

~ LUNCH ~

*Updated as of 27 Jun 2024. The conference schedule and speaker is subject to changes.





CONFERENCE DAY 2, 11 JULY 2024 (THURSDAY)

New Manufacturing Business Models

14:00 - 14:30	WMF & IMKL Agreement Signing & New Business Models for the Manufacturing of the Future Prof Dr Romero will share how in response to the dynamic economic landscape, the manufacturing sector should actively adopt novel business models to enhance its resilience and sustainability to thrive on a global scale.	Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico
14:30 - 15:00	The Digital Alchemy of Smart Factories: Transforming Production Data into Competitive Advantage In this session, MPDV will discuss how intelligent information management within the smart factory ecosystem can serve as a pivotal competitive advantage for manufacturing organisations. By exploring the integration of smart factory elements, this talk aims to illuminate pathways for manufacturers seeking to enhance operational efficiency and market responsiveness.	Daniel Ong, Chief Sales Officer, MPDV Malaysia Sdn Bhd
15:00 - 15:30	Digital Supply Chains & Their Suppliers 4.0 in Today's Smart Manufacturing Landscape This session will explore the need for the seamless digital integration of supply chains, highlighting the importance of collaboration between suppliers and original equipment manufacturers as their supply chains embark on their digital transformation journeys to develop digital and analytical capabilities for competitiveness.	Dr Chua Wen-Shyan Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC)
~ COFFEE BREAK ~		
15:45 - 16:10	Digital Transformation Towards a Smart Factory: KPIs and Metrics to Track the Journey Raimund will offer a set of tools to measure progress, ensure traceability, and guide strategic decision-making in a digital transformation journey towards smart factory development.	Raimund Klein, Founder and Chief Executive Officer, International Centre for Industrial Transformation (INCIT)
16:10 - 16:30	Innovative Product Development and Digitalisation for Business Model Innovation Mr Leong will present the success story of Markaids' business model innovation through new product development and digital operations strategies, leading the company to thrive in addressing the emerging market demands.	Kasey Leong, Chief Operating Officer (CEO), Markaids (Malaysia) Sdn Bhd
16:30 - 17:15	Panel Discussion: Intelligent Manufacturing - Where We Stand and What Lies Ahead? This closing panel session will invite eminent speakers to share their perspectives on the current state of the ASEAN manufacturing sector's digital transformation and its forthcoming challenges, offering a forward-looking view on how to overcome obstacles and leverage opportunities for those emerging smart factories contributing to the competitiveness of the region.	Moderator: Dr Ong Kian-Ming Speakers: Prof Dr David Romero, Raimund Klein, Dr Ing Dominic Gorecky, Dr Chua Wen-Shyan
17:15 - 17:20	Closing remark	

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