



intelligent manufacturing

KUALA LUMPUR

14 – 16.5.2025

Kuala Lumpur Convention Centre
(KLCC), Malaysia

Synergising Technologies and Workforce Adoption for Operational Success

www.myintelligentmanufacturing.com



Event Website

messe frankfurt





The regional conference-led event for sustainable manufacturing

Background

Malaysia's New Industrial Master Plan 2030 (NIMP 2030) is a visionary policy that focuses on smart manufacturing, automation, and digitalisation. It aims to transform 3,000 factories into smart facilities by 2030 and introduce Environmental, Social, and Governance (ESG) guidelines for sustainability practices.

Aligned with NIMP 2030, Intelligent Manufacturing Kuala Lumpur (IMKL) facilitates discussions on industry trends and digital evolution, offering customized business solutions. This prestigious event features international speakers and provides networking opportunities across various digitalisation sectors. Attendees gain valuable insights and engage with top vendors at immersive showcases, experiencing cutting-edge technologies firsthand.

IMKL guides ASEAN businesses through digital transformation with a comprehensive focus on strategic planning, software integration, and hardware deployment. The platform empowers organisations of all sizes to excel in industrial digitalisation.

DIGITALISE YOUR FACTORY WITH US

Event formats



Two-day Conference



Tech Lab*



Product Showcases



Breakout Sessions

*Tech Lab sessions offer in-depth introductions to product showcases

Key figures from 2024



2,189 visits,
60% from managerial level or above



330
conference attendees



27 speakers from 10 countries and regions
(Brazil, China, Greece, Malaysia, Mexico, the Netherlands, Singapore, Switzerland, Taiwan and the UK)



25 conference sessions
and 16 Tech Lab sessions



21 product showcases from 9 countries and regions
(Germany, India, Malaysia, the Philippines, Singapore, South Africa, Switzerland, Taiwan and the US)

CONFERENCE DAY 1, 14 MAY 2025 (WEDNESDAY)

09:15 - 09:30 Opening Remark

The Future of Manufacturing

09:30 - 10:00	<p>Building an AI-First Nation in the ASEAN Region: How Far Are We and How is it Affecting the Digitalisation Progress</p> <p>This session aims to delve into the growth of AI in the ASEAN region, offering practical insights on how and where manufacturers can begin their AI journey. It highlights methods to assess organizational readiness for AI adoption, showcases an actual implementation example from the region, and examines the influence of global AI competitions in accelerating innovation. Attendees will gain valuable takeaways for embracing AI and driving digitalization in manufacturing.</p>	<p>Laurence Liew Director, AI Singapore</p>
10:00 - 10:30	<p>New Perspectives for the Future of Manufacturing: Outlook 2030</p> <p>David will share key insights from the 2024 World Manufacturing Report that examines the political, economic, social, technological, legal and environmental trends shaping global manufacturing with an outlook towards 2030. He discusses essential learnings and recommendations to guide the industry through the decade ahead.</p>	<p>Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico</p>
10:30 - 11:00	<p>Navigating Regional Policies for Manufacturing Excellence</p> <p>Extending from the World Manufacturing Report, this session explores the legal and environmental tipping points in ASEAN and especially Malaysia. Key topics include the Carbon Tax 2026, the Energy Act, and the AI Act, which collectively redefine the manufacturing landscape. Special emphasis will be placed on Malaysia's unique political status and its influence on regional policies and industrial strategies, providing manufacturers with a roadmap to navigate this evolving regulatory environment. Participants will also gain insights into the importance of ESG reporting, the urgent need for sustainability measures, and the role of local policies in driving manufacturing digitalisation.</p>	<p>Speaker to be announced</p>

Coffee Break

11:30 - 12:15	<p>Panel Discussion: Future-Proofing Manufacturing: Navigating Global Challenges and Opportunities</p> <p>This panel discussion addresses the critical strategies manufacturers need to adopt to remain resilient in an era of unprecedented change. Industry leaders will explore how to tackle global challenges such as supply chain disruptions, labor shortages, and evolving consumer demands, while leveraging opportunities presented by technological advancements, green manufacturing practices, and shifting trade policies. The discussion will provide actionable insights on building agile, sustainable, and innovation-driven manufacturing ecosystems that are primed for long-term success in a rapidly evolving global landscape.</p>	<p>Moderator: Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico</p> <p>Speakers: Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC) Mohamed Taher Mouni, Founder, Beyond 4.0, and Founding Expert, Alliance for I4.0 and Smart Manufacturing in Africa (AISMA) Kelvin Chong*, Country Manager, Schaeffler Malaysia</p>
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Synergizing Technologies for Sustainable Manufacturing

12:15 - 12:45	<p>Integrating Digital Twins with Collaborative Robotic to Optimize Manufacturing Digitalisation</p> <p>This session explores the powerful synergy between digital twins and collaborative robotics, showcasing how their integration is revolutionizing manufacturing digitalisation. Discover the advanced capabilities enabled by collaborative robotics within digital twin environments, gaining insights into the benefits of this integration. The discussion will also address key challenges faced during implementation, along with practical solutions to overcome them. Real-world success stories will also be shared to highlight the transformative impact of these technologies.</p>	<p>Representative from Dell Technologies</p>
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Lunch

**Updated as of 27 March 2025. The conference agenda and speakers line-up are subject to changes.
** Speakers are under invitation.*

CONFERENCE DAY 1, 14 MAY 2025 (WEDNESDAY)

Synergizing Technologies for Sustainable Manufacturing

14:15 - 14:45	<p>Application of Machine Learning in Improving Manufacturing Outcomes</p> <p>In this session, Kelvin will share the transformative role of machine learning in enhancing manufacturing efficiency, productivity, and innovation. Discover how machine learning algorithms are being applied to optimize production lines, predict equipment failures through predictive maintenance, and enhance quality control with advanced data analytics. This discussion will highlight the benefits of real-time decision-making, cost reduction, and resource optimization powered by machine learning technologies.</p>	<p>Kelvin Chong*, Country Manager, Schaeffler Malaysia</p>
14:45 - 15:15	<p>Collaborative Robots (Cobots) VS Humanoid Robot: Which One is the Best-fit for Manufacturers?</p> <p>Dominic will dives into the comparison between cobots and humanoid robots to help manufacturers determine the best fit for their operations. Attendees will gain a clear understanding of the differences between these two robotic solutions, and real-world cases will be shared to showcase the applications and benefits of cobots and humanoid robots in various manufacturing scenarios. The discussion will also provide practical insights on how manufacturers can prepare their facilities, workforce, and processes for the successful implementation of either cobots or humanoid robots, empowering them to make informed decisions for their future-focused strategies.</p>	<p>Dr Ing Dominic Gorecky, Head of Swiss Smart Factory & Swiss Health Tech Center, Partner, Executive Board Member, Switzerland, Innovation Park Biel/Bienne AG</p>
15:15 - 15:45	<p>Global Challenges in Implementing Sustainable Digitalisation Projects</p> <p>This session examines the complexities of implementing sustainable digitalisation projects on a global scale. Through actual projects handled by Mouni, he will share the diverse challenges faced during digitalisation processes, highlighting how cultural differences can either accelerate or decelerate these processes, offering valuable lessons on navigating cross-cultural dynamics effectively. Attendees will also receive practical tips on balancing workforce priorities, addressing resistance to change, and educating employees to embrace digitalization in manufacturing, ensuring a smoother and more sustainable transition.</p>	<p>Mohamed Taher Mouni, Founder, Beyond 4.0, and Founding Expert, Alliance for I4.0 and Smart Manufacturing in Africa (AISMA)</p>

Coffee Break

16:15 - 16:45	<p>The Integration of Collaborative Robots (Cobots) in Manufacturing Plants: Enhancing Productivity, Safety, and Innovation</p> <p>This success story highlights the transformative journey of UMW plants in integrating collaborative robots (cobots) into their manufacturing processes. He will share how cobots have been strategically applied to streamline operations, enhance workforce safety, achieve significant productivity gain and drive innovation across supply chains. He will also explore workforce preparation strategies, addressing common challenges and obstacles encountered during the implementation of cobots. Finally, the "rent-to-own" concept will be discussed as an innovative approach to overcoming financial barriers, making cobot adoption accessible to a wider range of manufacturers.</p>	<p>Leonard Ng*, Business Development Manager, UMW</p>
16:45 - 17:30	<p>Panel Discussion: Collaborative Approaches to Sustainable Manufacturing</p> <p>This panel discussion will explore the vital partnerships between industry, government, and academia in driving sustainable manufacturing. Experts from each sector will share their insights on how they can effectively collaborate to tackle environmental challenges, foster innovation, and align efforts toward shared sustainability goals. By highlighting best practices and strategies for impactful partnerships, the discussion aims to inspire actionable solutions and enhance the collaboration for a more sustainable manufacturing future.</p>	<p>Moderator: Dr Ing Dominic Gorecky, Head of Swiss Smart Factory & Swiss Health Tech Center, Partner, Executive Board Member, Switzerland, Innovation Park Biel/Bienne AG</p> <p>Speakers: Leonard Ng*, Business Development Manager, UMW Ravenna Chen CEO, Intrinsic EO Forbes China & 36Kr Top 100 CAST "Haizhi Expert"</p>

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CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

Artificial Intelligence (AI) in Manufacturing		
09:15 - 09:45	<p>Shaping Tomorrow: The Power of Artificial Intelligence (AI) in Driving Innovation and Sustainable Manufacturing</p> <p>Explore the cutting-edge advancements in Artificial Intelligence (AI) and their role in driving innovation and sustainability. This session will showcase the groundbreaking development led by YTL AI Lab, and its implications for AI-driven solutions. Discover how these innovations are shaping smarter, more sustainable practices across industries, including manufacturing, by enabling localized intelligence, optimizing processes, and fostering eco-conscious advancements.</p>	<p>Foong Chee Mun, Chief Executive Officer, YTL AI Labs</p>
09:45 - 10:15	<p>The Shifting Landscape of AI for Manufacturing: Getting Ready for the Quantum Leap</p> <p>Artificial Intelligence (AI) is revolutionizing manufacturing with cutting-edge innovations, including Generative AI, driving unparalleled efficiency, creativity, and adaptability. This session will cover the advances and functionalities of AI in manufacturing, and move into the emerging world of AI backed with the power of Quantum Computers. Attendees will gain insights into harnessing AI's advancements today and preparing for the quantum leap that promises to supercharge computational capabilities and redefine problem-solving in the industry. Discover how these emerging technologies are reshaping the manufacturing landscape, unlocking opportunities, and setting the stage for a future of limitless possibilities.</p>	<p>Sakthivel Narayanasamy, Chief Executive Officer, Quantum Computing (M) Sdn Bhd</p>
10:15 - 10:45	<p>Data Governance in AI-Enabled Factories: Data Quality, Privacy, and Compliance</p> <p>In this session, Lawrence will highlight the critical role of data governance in AI-enabled factories, focusing on ensuring data quality, privacy, and regulatory compliance. He will also explore advancements in cloud and data management tailored for the AI era, and learn about the steps already taken and those necessary to prepare for AI adoption.</p>	<p>Michael Thavarajah*, Principal Engineer, Intel Corporation</p>
Coffee Break		
11:15 - 12:00	<p>Panel Discussion: Artificial Intelligence (AI) as a Catalyst for Innovation and Workforce Enhancement in Manufacturing</p> <p>This panel discussion examines how AI is shaping workforce management in manufacturing, bringing both challenges and opportunities. Industry experts will discuss the impact of AI on workforce dynamics, exploring its role in enhancing productivity and innovation. The conversation will also tackle the dual nature of AI as both a catalyst for transformation and a potential hindrance, shedding light on strategies to navigate these complexities and harness AI effectively for workforce and operational success.</p>	<p>Moderator: Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico</p> <p>Speakers: Foong Chee Mun, Chief Executive Officer, YTL AI Labs Sakthivel Narayanasamy, Chief Executive Officer, Quantum Computing (M) Sdn Bhd Michael Thavarajah*, Principal Engineer, Intel Corporation</p>
Talent Development, Upskilling and Reskilling the Workforce		
12:00 - 12:30	<p>Human-Centric Manufacturing: Balancing People and Technology</p> <p>This session will showcase how manufacturers are empowering their workforce to lead technology-driven tasks, particularly in handling challenging or hazardous operations. The discussion highlights strategies to enhance productivity through technology assistance while maintaining a human-centric approach. Real-life examples will also be shared to illustrate how companies have successfully implemented processes for upskilling and reskilling their employees, ensuring they are equipped to work alongside advanced technologies.</p>	<p>Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC)</p>
12:30 - 13:00	<p>Empowering the Next Generation: Driving the Green Transition in Manufacturing</p> <p>The green transition requires deep change, and the younger generation has the potential to be the driving force behind this evolution. However, this role is accompanied by challenges that need collective support and targeted policies. The central role of young generations in promoting sustainable practices within the manufacturing sector, leveraging advanced digital skills, creativity, and a change-oriented mindset. Structural and cultural limitations that may hinder the immediate impact of younger generations, such as lack of practical experience, resistance to change in companies, and limited resources for innovation. Real-life examples of young leaders and initiatives already driving the sustainability transition, and how companies can foster an environment that encourages their engagement.</p>	<p>Luca Torelli*, EMEA Operations Strategic Transformation Manager, EssilorLuxottica; Member of Young Manufacturing Leader</p>
Lunch		

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CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

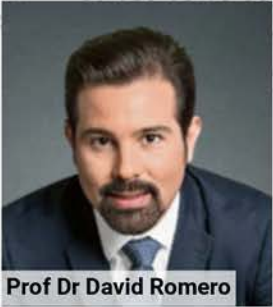
Talent Development, Upskilling and Reskilling the Workforce

14:30 - 15:00	Driving Digital Excellence in the Automotive Sector This success story sharing from Ingress highlights the strategies for automotive management to embrace digital transformation and effectively navigate industry changes. It explores workforce preparation through targeted processes of upskilling and reskilling, ensuring teams are equipped to adapt to evolving technologies. Attendees will gain actionable insights into leading their organizations toward a digitally empowered future.	Representative from Ingress Malaysia
15:00 - 15:45	Panel Discussion: The Role of Leadership in Talent Development Leadership plays a critical role in shaping talent development strategies, especially in today's complex global landscape. This panel discussion will delve into the challenges faced by management across various regions, exploring how cultural and economic factors influence their approach to nurturing talent. It will also examine the unique barriers faced by traditional manufacturers and second-generation players in adapting to workforce expectations and fostering innovation. By redefining leadership for the future, the session aims to provide actionable insights and strategies for creating inclusive, growth-oriented environments.	Moderator: Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC) Speakers: Representative from Ingress Malaysia, NXP, Talenthouz and Monash University

Coffee Break

16:15 - 16:30	Background and Introduction of Breakout Sessions	Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC)
16:30 - 17:30	Track 1: Used cases sharing and exchange Track 2: AI and robotic development in manufacturing industry Track 3: Talent development and change management throughout digitalisation processes Track 4: Young Manufacturers sharing and exchange	Dr Chua Wen-Shyan, Head of Malaysian Smart Factory 4.0, Selangor Human Resource Development Centre (SHRDC) Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico Dr Ing Dominic Gorecky, Head of Swiss Smart Factory & Swiss Health Tech Center, Partner, Executive Board Member, Switzerland, Innovation Park Biel/Bienne AG Mohamed Taher Mouni, Founder, Beyond 4.0, and Founding Expert, Alliance for I4.0 and Smart Manufacturing in Africa (AISMA)

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** Speakers are under invitation.



Prof Dr David Romero

Scientific Vice-Chairman,
World Manufacturing Foundation,
and Professor of Advanced Manufacturing,
Tecnológico de Monterrey, Mexico



Dr Ing Dominic Gorecky

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



Dr Chua Wen-Shyan

Head of Malaysian Smart Factory 4.0,
Selangor Human Resource
Development Centre (SHRDC)



Laurence Liew

Director,
AI Singapore



Mohamed Taher Mouni

Founder, Beyond 4.0, and
Founding Expert, Alliance for I4.0 and
Smart Manufacturing in Africa
(AISMA)



Chee Mun Foong

Chief Executive Officer,
YTL AI Labs



Kelvin Chong

Country Manager,
Schaeffler Malaysia



Sakthivel Narayanasamy

Chief Executive Officer,
Quantum Computing (M) Sdn Bhd



Ravenna Chen

CEO, Intrinsic EO | Forbes China &
36Kr Top 100 | CAST "Haizhi Expert"

More speakers to be announced!

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Product showcases

Standard booth with conference slot	USD 7,000 / package	<ul style="list-style-type: none"> • 9 sqm standard booth with basic furniture & fixtures^a • Speaking opportunity at main conference • A Tech Lab session • Conference tickets x 5nos • 10% discount on extra tickets purchased • Logo exposure on official social media and website for speaker promotion
Standard booth	USD 415 / sqm	<ul style="list-style-type: none"> • Min 9 sqm standard booth with basic furniture & fixtures^a • A Tech Lab session (first-come-first-served basis)
Raw space	USD 335 / sqm	<ul style="list-style-type: none"> • Min 18 sqm raw space rental • A Tech Lab session (first-come-first-served basis)
Start-up booth ^b	USD 1,700 / unit	<ul style="list-style-type: none"> • 6 sqm counter booth with basic furniture & fixtures^a • A Tech Lab session (first-come-first-served basis)
sps stage <small>smart production solutions</small> KUALA LUMPUR	USD 3,700 / unit	<ul style="list-style-type: none"> • 6 sqm counter booth with basic furniture & fixtures^a at "SPS Stage Pavilion"^c • LED TV with stand or mount on counter (depends on booth design) • A Tech Lab session under SPS Stage track

Malaysian Smart Factory 4.0 (MSF) technical partner packages^d

9 sqm standard booth	MYR 13,000 / package	<ul style="list-style-type: none"> • 9 sqm standard booth with basic furniture & fixtures^a • Tech Lab session • Conference tickets x 2nos • 20% discount on extra tickets purchased • Logo exposure on event website as MSF technical partner • Logo exposure on event backdrop and event guide
6 sqm counter booth	MYR 12,000 / package	<ul style="list-style-type: none"> • 6 sqm counter booth with basic furniture & fixtures^a • Tech Lab session • Conference tickets x 2nos • 20% discount on extra tickets purchased • Logo exposure on event website as MSF technical partner • Logo exposure on event backdrop and event guide

Sponsorship package is also available! Contact us for details!

Remarks:

- For booth design and furniture included, please refer to the exhibitor manual and it is subject to changes.
- For company which is established not less than 6 months and no more than 5 years with fewer than 25 employees.
- Applicable for Smart Production Solutions (SPS) exhibitors only.
- Applicable for Malaysian Smart Factory 4.0 (MSF) technical partners only.

Conference participation

Delegates package	MYR 12,000	<ul style="list-style-type: none"> Eight (8) complimentary tickets 30% special discount on additional conference tickets Logo exposure on event website as supporter Logo exposure on event backdrop and event guide
Group purchase	MYR 1,600 / pax	<ul style="list-style-type: none"> Min 3 tickets or above
Super early bird	MYR 2,150 / pax	<ul style="list-style-type: none"> From now until 13 May 2025
Academia	MYR 1,200 / pax	
Students	MYR 950 / pax	
Standard price	MYR 2,400 / pax	

*The price is subjected to local prevailing SST

**This conference is HRD Corp Levy Claimable



2025 Event information

Event dates & opening hours
 14 – 15.5.2025 9:15 – 17:30 (Conference)
 14 – 16.5.2025 10:00 – 18:00 (Product showcase & Tech Labs)

Venue
 Hall 7, Kuala Lumpur Convention Centre (KLCC), Malaysia

Endorsed by


Conference co-organiser


Technical consultants


Advisory committee
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 & Swiss Health Tech Center, Partner, Executive Board Member, Switzerland Innovation Park Biel / Bienne AG
Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico

Supporters


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secure your
participation**

Contact us for details

Organiser

Messe Frankfurt (HK) Ltd

Ms Katrina Pang / Ms Peggy Wong

+852 2802 7728

imkl@hongkong.messefrankfurt.com

Conference co-organiser

Selangor Human Resource Development Centre
(SHRDC)

+60 3 5513 3560

info@shrdc.org.my

Stay tuned with us on



www.myintelligentmanufacturing.com

