

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





The regional conferenceled 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.

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 agenda & speakers

CONFERENCE DAY 1, 14 MAY 2025 (WEDNESDAY)

09:15 - 09:30 Opening Remark

The Future of Manufacturing

10:00 - 10:30

09:30 - 10:00 Al-First Nation: Transforming Industries Through Al

Uncover Singapore's transformative path as an Al-first nation. Dive into pioneering national Al initiatives and real-world applications, spotlighting manufacturing. Designed for industry leaders, C-suites, and policymakers, this session delivers practical insights to inspire the adoption of Singapore's innovative Al programs in ecosystems worldwide.

New Perspectives for the Future of Manufacturing: Outlook 2030

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.

10:30 - 11:00 Global Trends in Intelligent Manufacturing: An Open Innovation Strategy towards Synergizing the Technologies of the Future

This session explores the evolving landscape of intelligent manufacturing, extending insights from the World Manufacturing Report and Singapore's Al-First Nation development. It examines global trends shaping the industry, including technological advancements, sustainability, and green manufacturing, with a focus on Malaysia's strategic positioning. Furthermore, the discussion highlights how regional countries leverage innovation, policies, and emerging technologies to enhance competitiveness in global value chains. The session emphasizes open innovation as a pathway to synergize future technologies and foster growth in intelligent manufacturing worldwide.

James Kok

Head, AIAP-X and Assistant Head, Industry Development, Al Innovation | Al Singapore

Prof Dr David Romero,

Scientific Vice-Chairman, World Manufacturing Foundation and 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)

Coffee Break

11:30 - 12:15 Panel Discussion: Future-Proofing Manufacturing: Navigating Global Challenges and Opportunities

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.

Moderator: **Prof Dr David Romero**, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico

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

Synergizing Technologies for Sustainable Manufacturing

12:15 - 12:45 Integrating Digital Twins with Collaborative Robotic to Optimize Manufacturing Digitalisation

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.

Representative from SoftServ

Lunch

^{*}Updated as of 10 April 2025. The conference agenda and speakers line-up are subject to changes

^{**} Speakers are under invitation.

Conference agenda & speakers

CONFERENCE DAY 1, 14 MAY 2025 (WEDNESDAY)

Synergizing Technologies for Sustainable Manufacturing

14:15 - 14:45 Collaborative Robots (Cobots) VS Humanoid Robot: Which One is the Best-fit for Manufacturers?

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.

Dr Ing Dominic Gorecky,

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

14:45 - 15:15 Unblocking Manufacturing Bottlenecks: Automating the Critical Processes Outside ERPs

Across Asia's fast-evolving manufacturing landscape, companies are investing in powerful ERP systems like SAP, Odoo, and NetSuite. Yet many still face familiar roadblocks—manual approvals, scattered communications, and delays in execution. In this session, we'll explore how industry leaders are closing this gap through workflow automation. The focus is not on replacing ERP, but on wrapping automation around it—unlocking speed, traceability, and accountability across procurement, production, logistics, and supplier management. Real examples of how companies are integrating workflow automation into their existing ERP systems—without disrupting operations will also be shared.

Jinendra Jain.

Senior Director – Product & Solutions, Moxo Inc

15:15 - 15:45 Global Challenges in Implementing Sustainable Digitalisation Projects

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.

Mohamed Taher Mouni.

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

Coffee Break

16:15 - 16:45 The Integration of Collaborative Robots (Cobots) in Manufacturing Plants: Enhancing Productivity, Safety, and Innovation

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.

Leonard Ng*,

Business Development Manager, UMW

16:45 - 17:30 Panel Discussion: Collaborative Approaches to Sustainable Manufacturing

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.

Moderator: **Dr Ing Dominic Gorecky**, Head of Swiss Smart Factory & Swiss Health Tech Center, Partner, Executive Board Member, Switzerland, Innovation Park Biel/Bienne AG

Speakers:

Leonard Ng*,

Business Development Manager, UMW Ravenna Chen

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

^{*}Updated as of 10 April 2025. The conference agenda and speakers line-up are subject to changes

^{**} Speakers are under invitation.

CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

Artificial Intelligence (AI) in Manufacturing

09:15 - 09:45 Shaping Tomorrow: The Power of Artificial Intelligence (AI) in Driving Innovation and Sustainable Manufacturing

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.

Foong Chee Mun, Chief Executive Officer, YTL ALLahs

09:45 - 10:15 The Shifting Landscape of Al for Manufacturing: Getting Ready for the Quantum Leap

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.

Sakthivel Narayanasamy, Chairman.

Quantum Computing (M) Sdn Bhd

10:15 - 10:45 Data Governance in Al-Enabled Factories: Data Quality, Privacy, and Compliance

In this session, Michael will highlight the critical role of data governance in Al-enabled factories, focusing on ensuring data quality, privacy, and regulatory compliance. He will also explore advancements in cloud and data management tailored for the Al era, and learn about the steps already taken and those necessary to prepare for Al adoption.

Michael Thavarajah, Principal Engineer, Intel Corporation

Coffee Break

11:15 - 11:45 Application of Machine Learning in Improving Manufacturing Outcomes

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 optimisation powered by machine learning technologies.

Kelvin Chong,** Country Manager, Schaeffler Malaysia

11:45 - 12:30 Panel Discussion: Artificial Intelligence (AI) as a Catalyst for Innovation and Workforce Enhancement

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.

Moderator: **Prof Dr David Romero**, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico

Speakers:

Intel Corporation

Foong Chee Mun,
Chief Executive Officer,
YTL AI Labs
Sakthivel Narayanasamy,
Chief Executive Officer,
Quantum Computing (M) Sdn Bhd
Michael Thavarajah*,
Principal Engineer,

12:30 - 13:00 Predictive Maintenance with Al: Reducing Downtime and Maximizing Efficiency

This session will explore how artificial intelligence transforms maintenance practices through predictive analysis, enabling businesses to anticipate issues before they arise. With Inspur Group sharing their expertise, attendees will gain insights into cutting-edge AI technologies that reduce operational downtime, enhance machine reliability, and optimize resource efficiency. Real-world applications will highlight how predictive maintenance is revolutionizing industries by minimizing disruptions and driving productivity.

Representative from Inspur Group

Lunch

^{*}Updated as of 10 April 2025. The conference agenda and speakers line-up are subject to changes

^{**} Speakers are under invitation

Conference agenda & speakers

CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

Talent Development, Upskilling and Reskilling the Workforce

14:30 - 15:00 Human-Machine Collaboration: Harmonizing Hybrid Workforces for Effective Coexistence

This session delves into the evolving dynamics of human-machine collaboration, focusing on strategies to harmonize robots and humans for efficient and effective teamwork. Attendees will explore practical approaches to fostering coexistence between human and robotic capabilities, supported by real-world examples from various industries. By examining success stories and innovative practices, this session aims to provide actionable insights into building synergistic hybrid workforces that leverage the strengths of both humans and machines.

Representative from JEMCO

15:00 - 15:30

Strategic Leadership and Workforce Evolution: Navigating Change Management in the Digital Era

The rise of digital transformation is reshaping industries, and organizations must adapt swiftly to remain competitive. This session will delve into the crucial role of leadership and change management in driving successful digital transformation. It will explore strategies for leaders to adopt an agile mindset, align organizational objectives with technological advancements, and foster a culture of continuous learning. Additionally, the discussion will highlight actionable insights to help management prepare their workforce for future challenges, including upskilling and reskilling initiatives, building digital competencies, and addressing resistance to change. Attendees will gain practical tools to lead their teams through transformation with resilience and vision.

Speaker to be announced

15:30 - 16:15

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: **Sook Ling Teh**Executive Director, Selangor Human
Resource Development Centre
(SHRDC)

Speakers:

Oscar Low,

Director of Business Development,

Talent Houz

Representative from NXP and Monash University

Coffee Break

16:45 - 17:30

Track 1: Used cases sharing and exchange

Track 2: Al 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)

^{*}Updated as of 10 April 2025. The conference agenda and speakers line-up are subject to changes

^{**} Speakers are under invitation.

Conference agenda & speakers



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



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



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



James CK Kok Head, AIAP-X & Assistant Head, Industry Development, Al Singapore



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



Chief Executive Officer, YTL AI Labs



Country Manager, Schaeffler Malaysia



Chairman,

Quantum Computing (M) Sdn Bhd



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



Principal Engineer,
Intel Corporation

More speakers to be announced!

*Updated as of 10 April 2025. The speakers line-up are subject to changes.



Product showcases			
Standard booth with conference slot	USD 7,000 / package	 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	 Min 9 sqm standard booth with basic furniture & fixtures^a A Tech Lab session (first-come-first-served basis) 	
Raw space	USD 335 / sqm	 Min 18 sqm raw space rental A Tech Lab session (first-come-first-served basis) 	
Start-up booth ^b	USD 1,700 / unit	 6 sqm counter booth with basic furniture & fixtures^a A Tech Lab session (first-come-first-served basis) 	
sps stage smart production solutions KUALA LUMPUR	USD 3,700 / unit	 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	 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	 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:

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



Conference participation options

Conference participation

Delegates package	MYR 12,000
Group purchase	MYR 1,600 / pax
Super early bird	MYR 2,150 / pax
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 & 14 – 15.5.2025 9:15 – 17:30 (Conference)

opening hours 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

SHRDC

Technical consultants









Advisory committee

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

· Eight (8) complimentary tickets

Min 3 tickets or above

From now until 13 May 2025

30% special discount on additional conference tickets

Logo exposure on event backdrop and event guide

Logo exposure on event website as supporter

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





























Act now to 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





