



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 US)



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 by Guest of Honor (Inviting YB Gobind Singh Deo, Chairman, Minister of Digital)

The Future of Manufacturing

09:30 - 10:00	AI-First Nation: Transforming Industries Through AI Uncover Singapore's transformative path as an AI-first nation. Dive into pioneering national AI 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 AI programs in ecosystems worldwide.	James Kok Head, AIAP-X and Assistant Head, Industry Development, AI Innovation AI Singapore
10:00 - 10:30	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.	Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico
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 AI-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.	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 rapid AI development and application, 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>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) Dr Deny Sopian, DBA, Head of Industrial Sales & Business Development, Schaeffler Malaysia Mei May Soo Chief AI, Global Solution Specialist, Dell Technologies</p>
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Synergizing Technologies for Sustainable Manufacturing

12:15 - 12:45	Leveraging AI-Powered Insights for Proactive BOP Reliability and Sustainable Manufacturing in the Era of Global Uncertainty This session will explore the transformative impact of "Pre-Detective Maintenance" using Condition Monitoring Systems (CMS) powered by Artificial Intelligence and Machine Learning. Dr Deny will articulate how these advanced systems and the shift towards proactive intervention are imperative for driving plant reliability and sustainable manufacturing. Drawing on a proven track record of major technological breakthroughs, his presentation will offer practical insights across the CMS lifecycle, demonstrating how technology and workforce adoption work together to enhance plant performance. Attendees will gain invaluable insights on how this forward-thinking approach fosters continuous improvement, operational excellence, enhanced plant reliability, and long-term sustainability in evolving industrial landscapes.	Dr Deny Sopian, DBA, Head of Industrial Sales & Business Development, Schaeffler Malaysia
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Lunch

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CONFERENCE DAY 1, 14 MAY 2025 (WEDNESDAY)

Synergizing Technologies for Sustainable Manufacturing

14:15 - 14:45	<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>
14:45 - 15:15	<p>Unblocking Manufacturing Bottlenecks: Automating the Critical Processes Outside ERPs</p> <p>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.</p>	<p>Jinendra Jain, Senior Director – Product & Solutions, Moxo Inc</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>An AI Factory Framework towards Agentic and Physical AI Applications for the Digital Factory</p> <p>This conference examines the AI Factory Framework, a cutting-edge approach to smart manufacturing that integrates multi-agent collaboration, real-time learning, and AI-driven automation for production and logistics. It showcases practical case studies and emerging innovations, demonstrating how AI enhances resilience, sustainability, and technological advancement in digital factories. By leveraging intelligent automation and adaptive learning mechanisms, the framework drives efficiency and innovation across manufacturing ecosystems. Attendees will gain insights into the transformative impact of AI on factory operations, exploring strategies for scalable implementation and long-term technological evolution. This session provides a roadmap for the future of AI-powered digital manufacturing.</p>	<p>Mei May Soo Chief AI, Global Solution Specialist, Dell Technologies</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: Ravenna Chen CEO, Intrinsic EO Forbes China & 36Kr Top 100 CAST “Haizhi Expert” Ts Dr Praveena Nair Sivasankaran Senior Lecturer, School of Engineering, Faculty of Innovation & Technology, Director, Impact Lab: Clean Technology Taylor's University A/Prof Ir Dr Hudyjaya Siswoyo Jo Director, Centre for Digital Futures Associate Professor, Faculty of Engineering, Computing & Science Swinburne University of Technology</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, Chairman, Quantum Computing (M) Sdn Bhd</p>
10:15 - 10:45	<p>Empowering AI in Semiconductor Manufacturing Through Effective Data Practices</p> <p>In this session, we will explore the foundational role of data governance and data management in driving AI initiatives within semiconductor manufacturing. Effective data governance ensures that organizations maintain high data quality, compliance, and security, which are crucial for successful AI applications like predictive maintenance and process optimization. Additionally, a robust data management system enables seamless data integration and analysis. Ultimately, data governance and data management form the backbone of a successful AI strategy in semiconductor manufacturing, empowering organizations to harness the full potential of their data assets for greater operational efficiency.</p>	<p>Michael Thavarajah, Principal Engineer, Intel Malaysia</p>

Coffee Break

11:15 - 11:45	<p>Predictive Maintenance with AI: Reducing Downtime and Maximizing Efficiency</p> <p>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.</p>	<p>Jerry Zhao Deputy General Manager, Overseas Department, Inspur Cloud</p>
11:45 - 12:30	<p>Panel Discussion: Artificial Intelligence (AI) as a Catalyst for Innovation and Workforce Enhancement</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: 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: Sam Majid, Chief Executive Officer, National AI Office Malaysia (NAIO) Foong Chee Mun, Chief Executive Officer, YTL AI Labs Jerry Zhao Deputy General Manager, Overseas Department, Inspur Cloud Representative from Alibaba Cloud</p>

Lunch

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CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

Breakout sessions

14:00 - 15:00	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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Coffee Break

Talent Development, Upskilling and Reskilling the Workforce

15:30 - 15:55	Success Stories on Digitalisation Experiences - Journey Towards Sustainable Manufacturing	A/Prof Ir Dr Hudyjaya Siswoyo Jo Director, Centre for Digital Futures Associate Professor, Faculty of Engineering, Computing & Science Swinburne University of Technology
15:55 - 16:20	Human-Machine Collaboration: Harmonizing Hybrid Workforces for Effective Coexistence As AI and robotics reshape the industrial landscape, true transformation lies in building synergy between human skills and machine precision. This session will explore practical strategies for harmonizing hybrid workforces, drawing from real experiences at Jemco and its new subsidiary, Jemco Technology Solutions (JTS). Edwin Yap will share how JTS is advancing smart warehouse automation and AI robotics, and how Jemco's collaboration with SHRDC is helping to upskill traditional manufacturers for the era of intelligent manufacturing.	Edwin Yap , CEO, Jemco Retail Fixtures
17:15 - 17:30	Navigating Cultural Resets towards building the next generation of AI driven workforce The shift towards an AI-driven workforce demands a cultural reset that balances technological innovation with human adaptability. Building the next generation of such a workforce requires fostering collaboration between humans and AI, ensuring inclusivity, and prioritizing upskilling. This evolution emphasizes ethical frameworks, diverse perspectives, and creativity to tackle emerging challenges. Organizations must navigate this transformation with agility, cultivating a culture of resilience and continuous learning, where AI augments human potential rather than replacing it. By embedding these principles, we can redefine workplace dynamics and drive progress toward a sustainable, AI-integrated future.	Representative from Cognizant
16:30 - 17:15	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: ET Tan , Member Board of Directors, MIMOS Berhad Speakers: Oscar Low , Director of Business Development, Talent Houz Jazmine K Balakrishnan , Senior HR Leader, Organizational Development Strategist, NXP Semiconductors Prof Dr David Romero , Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico Representative from Monash University

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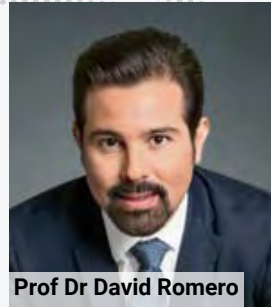
Chee Mun Foong

Chief Executive Officer,
YTL AI Labs



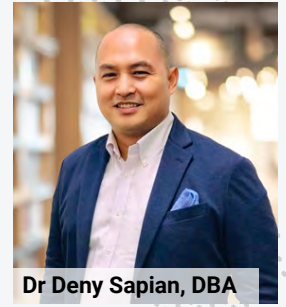
Dr Chua Wen-Shyan

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



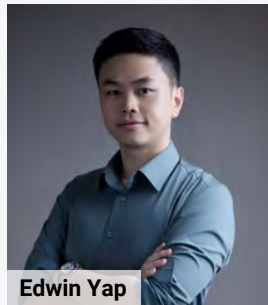
Dr Deny Sapien, DBA

Head of Industrial Sales & Business
Development,
Schaeffler Malaysia



Dr Ing Dominic Gorecky

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



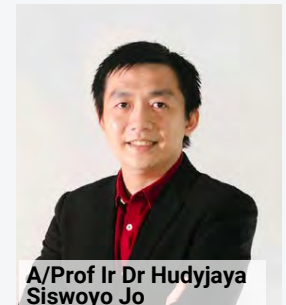
Edwin Yap

CEO
Jemco Retail Fixtures



ET Tan

Member Board of Directors,
MIMOS Berhad



**A/Prof Ir Dr Hudyjaya
Siswoyo Jo**

Director, Centre for Digital Futures |
Associate Professor, Faculty of Engineering,
Computing & Science
Swinburne University of Technology



James Kok

Head, AIAP-X & Assistant Head, Industry
Development, AI Singapore



Jaszmine K Balakrishnan

Senior HR Leader, Organizational
Development Strategist,
NXP Semiconductors



Jerry Zhao

Deputy General Manager,
Overseas Department, Inspur Cloud



Jinendra Jain

Senior Director - Product & Solutions,
Moxo Inc

More speakers to be announced!

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Speakers profile



Mei May Soo

Chief AI, Global Solution Specialist,
Dell Technologies



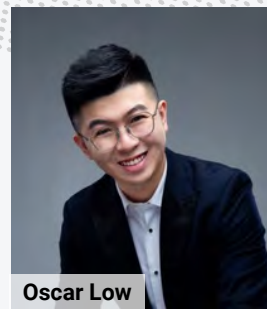
Michael Thavarajah,

Principal Engineer,
Intel Corporation



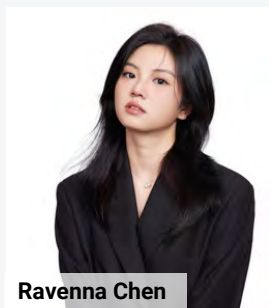
Mohamed Taher Mouni

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



Oscar Low

Director of Business Development,
Talent Houz



Ravenna Chen

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



Sakthivel Narayanasamy

Chairman,
Quantum Computing (M) Sdn Bhd



Sam Majid

Chief Executive Officer,
National AI Office Malaysia (NAIO)

More speakers to be announced!

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Speakers profile

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**

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Stay tuned with us on



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