



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 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.

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)

James Kok

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

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 Cognizant

Lunch

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** Speakers are under invitation.

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>The Integration of Collaborative Robots (Cobots) in Manufacturing Plants: Enhancing Productivity, Safety, and Innovation</p> <p>This success story highlights the transformative journey of Honda 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>Representative from Honda Malaysia</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" Representative from Honda Malaysia</p>

*Updated as of 24 April 2025. The conference agenda and speakers line-up are subject to changes
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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>Application of Machine Learning in Improving Manufacturing Outcomes</p> <p>In this session, Dr Deny 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.</p>	<p>Dr Deny Sapian, DBA, Head of Industrial Sales & Business Development, Schaeffler Malaysia</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: Prof Dr David Romero, Scientific Vice-Chairman, World Manufacturing Foundation and Professor of Advanced Manufacturing, Tecnológico de Monterrey, Mexico</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>
12:30 - 13:00	<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>

Lunch

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CONFERENCE DAY 2, 15 MAY 2025 (THURSDAY)

Breakout sessions

14:30 - 15:30 **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)

Coffee Break

Talent Development, Upskilling and Reskilling the Workforce

16:00 - 16:30 **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

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

Speakers:
Oscar Low,
 Director of Business Development,
 Talent Houz
Representative from NXP
**Representative from Monash
 University**
Representative from HRD Corp

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.

Speaker to be announced

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Prof Dr David Romero

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



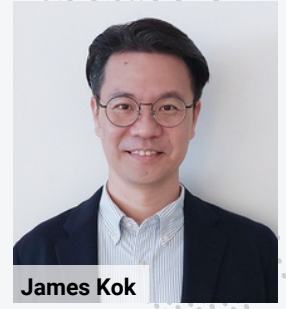
Dr Ing Dominic Gorecky

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



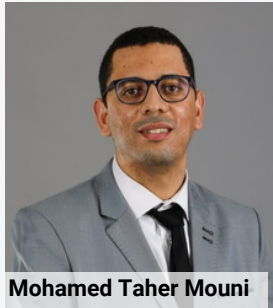
Dr Chua Wen-Shyan

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



James Kok

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



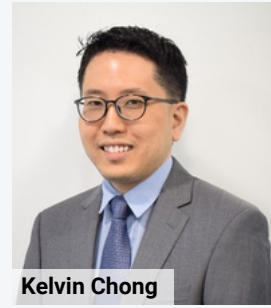
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Smart Manufacturing in Africa
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Chee Mun Foong

Chief Executive Officer,
YTL AI Labs



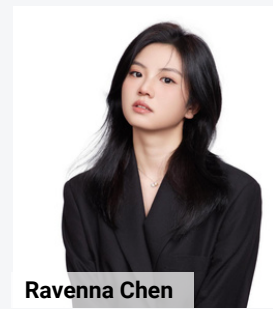
Kelvin Chong

Country Manager,
Schaeffler Malaysia



Sakthivel Narayanasamy

Chairman,
Quantum Computing (M) Sdn Bhd



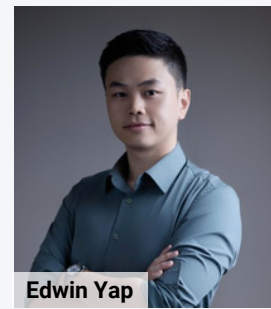
Ravenna Chen

CEO, Intrinsic EO | Forbes China &
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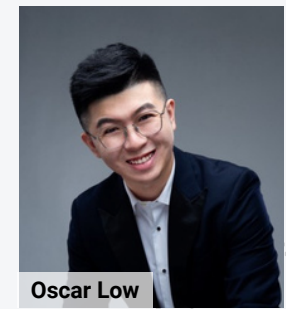
Michael Thavarajah,

Principal Engineer,
Intel Corporation



Edwin Yap

CEO
Jemco Retail Fixtures



Oscar Low

Director of Business Development,
Talent Houz

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:

- 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

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

**Act now to
secure your
participation**

Contact us for details

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Conference co-organiser

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Stay tuned with us on



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