

0800 Main Conference Registration & Morning Coffee

0900 **Opening Address by Guest of Honour Hanane Taidi (TBC), Director General, TIC Council**

Regional Outlooks of Testing, Inspection and Certification

0910 **Food Sustainability & Supply Chain Assurance Services**

- ASEAN – Food supply, consumption and insecurity
- Food safety, security, supply chain fraud, sustainability
- How technology is transforming the food industry
- Case study: Intertek's stance in meeting food disruptive technology trends
Stanley Ong, General Manager, **Intertek**

0940 **Digital Transformation in TIC Industry – From Idea to Business**

- Ideation programmes & funding of project development plans
- Creation of Innovative services and enhancement of existing practices across business lines
- Case Studies
Mike Mediouni, Global Innovation Community Manager, **SCS**

1010 Opening of Exhibition and Morning Networking Break

1040 **MHS (Medical Health & Services) Certification & Emerging Market**

- MHS standards and certification process
- ASEAN market insights
- Increasingly stringent compliance requirements
- Case study
Bernice Lau, Executive Auditor – Product Services, **TUV SUD**

1100 **Quality Directors' Roundtable: Trends in Product Quality Standards and Safety Across Sectors**

- Impact of quality 4.0 on operational excellence: people, process & technology practices
- Supplier quality management
- Updates in regional consumer product standards and requirements
- Global and regional quality initiatives in FMCC, manufacturing
- Working in partnership with TICs for win-win quality achievement
- Benchmarking manufacturers' perspectives on inspection & certification services
Moderator: **Chong Nyet Chin**, Director – Food Safety & Quality, **NTUC Fair Price**
Panellists:
Balaji Venkatnarayanan, Associate Director – Quality and Regulatory Compliance, **Paraxel**
Jeffrey Ho, Quality Audit Manager (Rolls-Royce) & Vice Chair, **Singapore Aerospace Quality Group**
Anson Alexander, Global Industrial Quality Director, **Schneider Electric**

1140 **ASEAN Smart City Outlook and Opportunities for TIC in IOT, Smart Infrastructure Testing, Certification Market**

- ASEAN smart city objectives and IOT/M2M interoperability requirements from global wireless standards bodies
- Strategies in meeting worldwide accreditation approvals and testing product
- Quality implications on consumer technologies (automotive, smart homes & software sectors) across region (Case Studies)
- Product Development roadmap and commercial strategies
Serene Chan, General Manager – Consumer Technology, **UL**

1210 **How a Manufacturing Facility Views TICs' Value-Add Services to Achieve Industry 4.0**

- How quality processes and decision making could be embedded with data?
- Assessing plants' and factories' readiness for transition to Industry 4.0
- Case study: automation in manufacturing facilities across Asia
- Supplier Quality Improvement Through Enterprise Quality Management System
Pankaj Verma, Director – APAC External Manufacturing Quality, **J&J**

1240 Lunch & Networking Break

Strategising for Industry 4.0

1340 **TIC 4.0 – How to Ensure Smart Solutions Are Safe, Secure and Reliable**

- IIOT and Robots implementation across sectors (healthcare, transport technology, manufacturing, electromobility, utilities)
- Smart systems' cyber-physical security risks, reliability, interoperability and the performance gap
- TUV SUD's digitalisation roadmap
- New methods, requirements and standards for connected, autonomous systems
Dr. Andreas Hauser, Director – Digital Services, **TUV SUD**

1410 **Building Digital Asset Assurance Services for Smart Infrastructure**

- Digital assets evolution from smart cities, onshore/offshore infrastructure
- Interconnectedness in business landscape
- Ensuring high quality data for trustworthy analytics & testing
- Best practices to manage cyber readiness and risk management
- Tactical roadmap in developing digital asset and business continuity services
Mathias Steck, Executive Vice President – Digital Hub, **Asia, DNV GL**

1440 **Case Study: Developing Value-Add TIC Services Enabled By Big Data**

- Safety, productivity, reliability and longevity of digital assets
- Leveraging asset performance modelling and decision support services
- Predictive maintenance optimisation & data management systems
- Case study in marine & Offshore industry
- Digital twin, digital asset safety & reliability
Jerome Floury, Project Manager – Digitalisation & Innovation, **Bureau Veritas**

1510 Afternoon Coffee Break

1540 **The Digital Journey to Meet QA Needs – Deep Dive into Industry Services**

- Innovations in condition-based assessment, advanced NDT and scanning technologies
- Regional industry services – opportunities and risks
- A case study into offshore technology (e.g. Deepview 3D) and Oil & Gas industry
Aravindh Kaniappan, Regional Director – Industry Services, **Intertek**

TIC Process Digitisation

1610 **Wireless/IOT Interoperability Global Outlook: Technical Standardisation and Product Conformance Testing & Certification**

- From International Open Standards to Certification Programs
- Use case scenarios and profiles for large-scale IoT applications
- Testing and Certification Strategies
Chin-Sean Sum, Certification Programme Chair, **WI-SUN Alliance**

1640 **TIC 4.0 Roundtable - How to Embrace Digital Transformation Implementation Within the Industry**

- Trends in big data and digitalisation of TIC operations and laboratories
- Partnership and M&A strategies to optimise growth in digitalisation services and emerging business lines
- Testing & measurement technologies and process for sensors & IOT interoperability
- Smart manufacturing facilities & TICs
- The intelligent labs and needed testing & inspection services
Moderator:
Ravikumar Jeevarathinam, VP Technology & Innovation Global Technology Centre, **Lloyd's Register**
Panellists:
Dr. Andreas Hauser, Director – Digital Services, **TUV SUD**
Aravindh Kaniappan, Regional Director – Industry Services, **Intertek**
Jerome Floury, Project Manager – Digitalisation & Innovation, **Bureau Veritas**

1720 **End of Conference Day 1**

0800 Main Conference Registration
 & Morning Coffee

Regional Growth for Testing, Inspection Markets

0900 **The Food Supply Chain – New Standards and Requirements**

- The importance of food safety risk management
 - Cold chain management, supply chain & food safety standards
 - How do companies adopt standards?
 - Operational Quality Risk Management processes in retail and distribution
- Chong Nyet Chin**, Director – Food Safety & Quality, **NTUC FairPrice**

0940 **Smart Factories and Assurance Needs from TIC Partners**

- The interplay of sensors, IoT, data, analytics in the smart factory
 - Integration of data analytics in quality processes and the impacts
 - Operational quality risk management and challenges of data security and integrity
 - Case study: Improving suppliers' quality, machinery performance and product conformance in the E&E manufacturing
- Jorge Ramos da Silva**, Senior Director – Quality, **NXP Semiconductor**

1010 **Quality Assurance Outlook in Pharmaceutical Sector**

- Impacts of IOT implementation on regulatory compliance
 - Interoperability and scalability across disruptive health technologies
 - The role of QA in ensuring data integrity and digital trust
- Balaji Venkatnarayanan**, Associate Director – Quality & Regulatory Compliance, **Parexel**

1040 Morning Networking and Refreshment Break

1120 **Growing Business Assurance and Certification Markets**

- Development of management certification and standards in ASEAN
- Outlooks of Management services and Business Assurance markets in the region (country-specific case studies)

1155 **Digital Transformation and System Integration Needs in Automotive Industry**

- Compliance management and key capability improvement in automotive manufacturing
 - IT transformation, ERP, RPA adoption
 - Process optimisation & innovation and new certification requirements
- Tithaphong, Phongsphetrarat**, Strategy & Programme Management Director, **Somboon Advance Technology PCL**

1230 Networking Lunch

1330 **Softlines Market – Growth, Regulation & Opportunities**

For speaking opportunity, please contact Casey Ho at **Casey.Ho@ibcasia.com.sg**

1410 **QA strategies in enabling smart factory journey – A Case Study at Schneider Electric**

- Smart factory roadmap: Objectives, development and innovations
 - Data and interoperability challenges and role of QA
 - QA Strategies and action planning
- Anson George Alexander**, Customer Satisfaction & Quality Leader EAJP – Global Supply Chain, **Schneider Electric**

1445 **Aviation, Space & Defence (ASD) Quality Management System (QMS) Certification Scheme**

- Emerging regulations related to Aviation (AS9100, AS9110, AS9120 certifications)
 - Programmes and key elements of certification standards
 - Evolution of the certification standards in the sector
 - Supplier quality testing
 - Oversight of the certification schemes by the ASD industries
 - Case Study: Aerospace industry in Singapore
- Jeffrey Ho**, Quality Audit Manager (Rolls-Royce) & Vice Chair, **Singapore Aerospace Quality Group**

1520 Afternoon Networking and Refreshment Break

Country-Focus Panel Discussions

1550 **Singapore Updates On Progressing the TIC Industry**

- Directions for development of standards for emerging technologies
- Improving International market access for companies with accreditation – case study of Food industry
- MRAs for facilitating trade & market access
- Enforcing conforming auditing and certification from CABs

1620 **ASEAN Countries' China Plus One Strategy**

- Contemporary geographical shifts in manufacturing and the implications for TICs
- Disrupted supply chain and traceability testing market
- How TIC sector enables standard harmonisation across sectors

1650 **A Roadmap for Market Opportunities in ASEAN**

- Emerging competition from Digital TIC providers or non-traditional TIC companies
- Emerging trade requirements and emerging regulations across major sectors
- What's next after cloud and cyber security systems certification market?

Panellists:

Stanley Ong, General Manager, **Intertek**
Mathias Steck, Executive Vice President - Digital Hub, Asia, **DNV GL**
Pankaj Verma, Director – APAC External Manufacturing Quality, **J&J**

17:30 **Chairperson's Closing Address – End of Conference Day 2**



The Testing, Inspection and Certification (TIC) market in Asia Pacific is accelerating with a growth rate twice that of global average, driven by numerous economic, regulatory and technological factors. Ranging from digital transformation across industries, to increased focus on product quality and safety, business assurance services and more, the market is booming. In addition, countries like Vietnam, Cambodia and other ASEAN members are a hotbed of new manufacturing and e commerce investment requiring TIC services.

TIC Asia 2019 brings together leading decision makers from TIC Industry, Quality assurance leaders, global standardisation organisations and accreditation bodies to discuss the ever-evolving challenges with meeting quality standards; best practices in developing innovative TIC services as well as commercial outlooks of testing & inspection across industry verticals.

Key Focus in 2019

International trade developments – opportunities, risks and implications for TICs



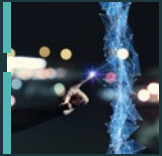
How TICs employ data insights, machine learning, blockchain to deliver compelling service to customers



The role of Quality in technology enablement and partnership opportunities with TICs



Market opportunities for Inspection, Business Assurance, Digital Trust, IOT and Smart infrastructure



Global & business outlooks across sectors (Agrifood, Softline, Automotive, Aerospace, and more)



Burgeoning sustainability requirements and growing business assurance services market



Who You Will Meet



Regional MDs, Country Heads of TICs



Director of Digital Services, Innovation



Lead Auditors



Heads – Business Development / Marketing



Director – Softline / Foods / Consumer Products / Industry Services



Director – Business Assurance & Management Services



Directors, heads - Quality Assurance, Quality Control & Regulatory Compliance



Directors, heads - manufacturing and product testing

Raise Your Brand Awareness at Asia's Leading Event for TIC & QAQC Market

We offer a variety of opportunities to support your profile with some of the most influential decision makers in the testing, inspection, accreditation & certification industry

By Industry:



- Testing, Inspection & Certification Companies.....**50%**
- Accreditation & Standardisation bodies.....**10%**
- Labs & Inspection Equipment, Service Providers.....**10%**
- Testing & Measurement instrument providers.....**5%**
- Agri-Food Manufacturing, Distribution & Retail.....**5%**
- Automobile, Aerospace & Defence Manufacturers.....**5%**
- Pharmaceutical & Medical Technologies.....**5%**
- Maritime & Offshore.....**5%**
- Digital Innovation Consultancy.....**5%**

By Geography:



- Southeast Asia.....**50%**
- China, Japan & Northeast Asia.....**20%**
- South Asia & Pacific.....**20%**
- Others.....**10%**

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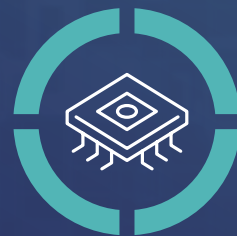
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