



MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY



13th & 14th November 2018

0900 – 1800 Perdana Hall, MITI Tower,

**7, Jalan Sultan Haji Ahmad Shah, Kompleks Kerajaan, 50480 Kuala Lumpur,
Wilayah Persekutuan Kuala Lumpur**

Conference Program

DAY 1 (13 TH November 2018)	
8.00am - 9:00am	Registration for HoT 2018 Conference Venue: Perdana Hall, MITI Tower
9.15am - 9:40am	Opening Ceremony for HoT 2018 National Anthem and Prayers Recital Officiated by YB Dr. Ong Kian Ming Deputy Minister Ministry of International Trade & Industry
9.40am - 10.10am	<i>HoT 2018 Keynote</i> Building Strategic IoT Applications for a better Malaysia <p>IoT is a system of systems, connecting multiple individual devices together thus creating a powerful ecosystem that will unleash a new dimension of services that will improve the quality of life for the people. IoT is building up an exciting momentum for all organisations who are in the midst of their digital transformation journey. The coming together of three key technologies – IoT, Cloud and Artificial Intelligence – is driving organisations to collect, store and process data at a faster rate than ever. It is a game changer for business models, customer experiences and the communities living in society. Embark on the journey together with TM ONE on how IoT will enable the nation's aspirations as we move into the era of data-driven economy.</p> Azrin Bin Aris, Head of Product Division, Business Technology, TM ONE
10.10am - 10.35am	VVIP Tour of HoT 2018 Expo
10.35am - 11.00am	Networking Tea Break

11:05am - 11.35am	AI, Big Data & IoT Applications in Supply Chain <p>The Internet of Things (IoT) is going to generate a massive amount of data in Zettabytes. Big Data Analytics requires massive computation for “making sense” or monetising the data. In this talk, we will share how businesses & supply chains can improve visibility of their products and services using data from connected “Things” & AI hardware & software to learn & automate or digitise the supply chain & make IoT work for you.</p> <p>Steven Loh, Country Manager, Lenovo Technology</p>
11.35am - 12.15pm	<p>Panel session</p> <p>How 4IR will disrupt economies & businesses</p> <p>The new digital revolution is changing both our lives and our businesses. In the digital economy, information derived from IoT has replaced oil as the most precious resource and start-ups, popping up daily in many different sectors, exploit this culture and economic change. New, small organizations are disrupting the business of big enterprises and gaining market from traditional brands. The 4IR builds on our ongoing digital revolution. It entails nothing less than a transformation of humankind. What are the opportunities & challenges?</p> <p>Moderator: Shafenaz Farouk, Managing Director RTI International, Malaysia</p> <p>Panellists: Brian Bong, CEO, Smart Optz Azrin Bin Aris, TM ONE Steven Loh, GM, Lenovo Technology Sim Hon Wai, COO, MDT Innovations Sdn Bhd</p>
12:30pm - 14:30 pm	Networking Break
14:35pm - 15.00pm	<p>Smart Connected Solutions for Industrie 4.0</p> <p>Use cases and solutions implemented within Bosch plants and how we have benefited from these i4.0 initiatives. These case studies include Collaborative robots, Condition monitoring and predictive maintenance, Predictive quality, Smart connected tools, International Plant Network etc. These solutions could also potentially benefit industries in Malaysia.</p> <p>Michael Goh, Director, Sales ASEAN, Robert Bosch (SEA) Pte Ltd</p>
15:00pm - 15.50pm	<p>Panel session</p> <p>Industry4wrld : National Policy on Industry 4.0</p> <p>With the recently launched “National Policy on Industry 4.0”, the government has outlined The Strategic Enablers F.I.R.S.T, Funding, Infrastructure, Regulations, Skills & Talent & Technology. To execute the strategies involves close collaborations on initiatives among government, industry & academia to work cohesively similar to the concept of IoT as opposed to current trends of multiple parties working in silos & duplicating. What are the challenges, implementation strategies & KPI's to achieve Industry4wrld?</p> <p>Moderator: RUSHDI ABDUL RAHIM Senior Vice President, Malaysia Industry-Government Group for High Technology (MIGHT)</p> <p>Panellists: Alia Md. Saleh Principal Assistant Director, Sectoral Policy Division, MITI Tan Sri Althoff Rainier, Independent Non-Executive Director, Top Glove Ong Chee Tat, National Deputy President SME Association</p>
15:50 pm - 16.15pm	Networking Tea-break
16:15pm – 16:40pm	<p>The Internet of Things (IOT) towards the Future of Digital Manufacturing</p> <p>Jonas Jeyaraj Anthony, Manufacturing Operations Director, Panasonic AVC Networks</p> <p>IOT Education Platform with Industrial Application</p> <p>University of Malaya in collaboration RWTH Aachen University (tier 1 German University) and Panasonic Malaysia is setting up new learning model based on industrial case study (IOT Transformation Lab) for continuous development engagement. The talk will focus on the strategy.</p> <p>Dr.-Ing. NARENDRA KUMAR, SMIEEE (USA), FIET (UK) Associate Professor and Industrial Liaison of Engineering Faculty, University of Malaya</p>

Enabling Digital Transformation with Drone Technology

Recent study listed drones are among the top four technologies that will have greatest impact on organization in the next 12 to 24 months. However, only a holistic digital strategy for commercial drones can help make that happen. Drones allow organizations in various industries such as agriculture, construction and oil and gas to improve productivity and working condition, increase operation efficiency and reducing operational cost.

Dato' Sri Ganes, Chief Executive Officer, SG Education Group

16:40pm - 17:10pm

17:10pm – 17:50pm

Panel session

Leadership & Talent development in the era of Industry 4.0

With the almost exponential growth in technology innovations, speed of digital transformation across the supply chain industry, we see a growing gap of identifying, training & developing a constant talent pool that is "Industry 4.0" ready. What are the challenges & opportunities in organisations to be able to cope & prepare for the Fourth Industrial Revolution?

Moderator: Dr. K. Ragunathan, Quality Associates

Panellists: Dato Sri Ganes, SG Education Group

Chong Kok Onn, Technical Director,

Tekmark Group

Dr.-Ing. NARENDRA KUMAR, University Malaya

End of Day 1



DAY 2 (14TH November 2018)

8.00am – 9:00am	Registration for HoT 2018 Conference <i>Venue: Perdana Hall, MITI Tower</i>
9.00am – 9.30am	Digital Economy: Opportunities & Challenges in Networked Intelligence Digital economy is also sometimes called the Internet Economy, the New Economy, or Web Economy is increasingly intertwined with the traditional economy making a clear delineation harder. Driven by the efficiencies, cost optimisations & scalability using IoT technologies, whole industries are disrupted & in some cases displaced entirely. Managing your asset, be it in the factory environment, buildings & infrastructures or even whole cities can be entirely automated & digitised. Le Yan Chin, Senior Applications Engineer, STMicroelectronics
9.30am – 10.00am	Analytics in the World of Big Data and IoT CF Boon, Senior Director ,Wireless Innovation Laboratory, MIMOS Berhad
10.00am – 10.30am	Energy Savings using IoT & AI Integrated human dwelling and activity has become the lifestyle construction impetus of the 4th Industrial Revolution. As larger and larger integrated indoor structures, and even entire cities are developed, air quality management is playing a bigger role in ensuring productivity & overall human psyche. What is our role in this impetus and how can we push forward the agenda for better management. IoT and artificial intelligence makes it possible. Can we build such intelligence though? We will explore these questions and provide the most advanced automated, autonomous thermal profile management solution known today for an efficient system that will disrupt the entire air conditioning industry Prabodh K Sheth, CEO , iCEE International
10.30am – 11:00am	Networking Break
11.00am – 11:30pm	Adelaide - Australia's Leading Smart City The City of Adelaide is a Boutique city putting into action big, disruptive, smart ideas. Integrating such ideas requires a smart plan and a hierarchy of initiatives that must deliver real, citizen driven smart solutions, best delivered through public, private, partnerships that embrace the opportunity of 21st century technology. The ubiquitous merging of technology and citizen promises an exciting future. The City of Adelaide - designed for life. Steve Harrison, Chief Advisor to the City of Adelaide, Capital City of South Australia
11.30am - 12.10pm	Panel Session Network Connectivity for IoT Connecting the Internet to Things & sensors are key to implementing IoT which usually needs low power wide area network technologies that have ranges up to tens of km with battery operated edge nodes. There are a few emerging LPWAN technologies such as SigFox, LoRa, RPMA, LTE M, NB-IoT just to name a few. Learn about the successful implementations & hear from the proponents of each technologies. Moderator: Panellists: Vicks Kanagasingam, COO, Xperanti IoT Le Yan Chin, Senior Applications Engineer STMicroelectronics Qayyum Halim, Electrical Engineer, Gremax Holdings
12.30pm – 2.00pm	Networking Luncheon & Exhibition
2.00pm - 2.30pm	Enabling Digital Transformation with Drone Technology Recent study listed drones are among the top four technologies that will have greatest impact on organization in the next 12 to 24 months. However, only a holistic digital strategy for commercial drones can help make that happen. Drones allow organizations in various industries such as agriculture, construction and oil and gas to improve productivity and working condition, increase operation efficiency and reducing operational cost. Dato' Sri Ganes, Chief Executive Officer, SG Education Group
2.30pm - 3.00pm	Innovation Gateway @ PETRONAS Fadhlán Nik Abdul Aziz, Head of Innovation Technology Management & Commercialisation (TMC) Department, Project Delivery & Technology (PD&T) Division PETROLIAM NASIONAL BERHAD (PETRONAS)

3.00pm - 3.30pm	<p>5G and IoT: Accelerating Design Validation for 5G NR</p> <p>5G New Radio will introduce many new challenges for designers. Designing radio devices to operate at cm and mmWave spectrum is no small feat. Considerations including path loss and signal quality at the higher frequencies, connecting and measuring OTA, and increased complexity from Massive MIMO and Beamforming will be key contributors to poor measurements. This paper will describe key additions to the 5G NR Rel 15 standard and considerations for test.</p> <p>Ken Yong, LEE, Wireless Application Consultant , Keysight Technologies</p>
4.00pm - 4.30pm	<p>IoT Driving Innovations in Smart Water Management Practice</p> <p>Digitalization is changing the relationship between water utilities and their customers, morphing them into connected service providers. Driving these changes is the need for the water utilities to become more effective in responding to the industry challenges created by an increasing and urbanizing population, more extreme weather events, ageing infrastructure, more demanding customers and constraints on expenditure. Better use of data, and analytics provide increasing levels of system intelligence, visibility, automation and control, contributing to higher customer satisfaction through a high level of uninterrupted service.</p> <p>Razim Faris, Business Director, i2O Water</p>
4.30pm - 5.00pm	<p>Panel Session</p> <p>Realizing the potential of the “IoT Economy”</p> <p>MALAYSIA has rolled out its National IoT Strategic Roadmap, with the expectation that the implementation of the Internet of Things (IoT) would contribute RM9.5 billion to the country's gross national income (GNI) by 2020, and RM42.5 billion (US\$11.2 billion) by 2025. With proliferation of low cost of sensors, and the reliability of long-range wireless technology, IoT goes beyond just manufacturing and will spread into farming, city planning, energy management, and more. This expansion will create a boom of technological, economic, and global benefits. GDP around the world will increase, and provide new economic, technical, and employment opportunities to citizens globally that will drive up average incomes & living standards, particularly in industrially advanced economies. Learn from the key stake holders & the thought leaders moving Malaysia into becoming a premier regional IoT hub & towards the 4IR.</p> <p>Moderator: Jack Lim, Director, Gartner</p> <p>Panellists: Ahmad Helmi Abdul Halim, Head of IoT, Expand (a subsidiary of Axiata Bhd) Ong Chee Tat, National Deputy President SME Association</p>
5.00pm - 5.30pm	<p>Closing Remarks by</p> <p>YB Tuan Gobind Singh Deo (TBC) Minister Ministry of Communications and Multimedia</p> <p>Presentation of Souvenirs to Speakers and Sponsors</p>
End of HoT 2018 Programme	

Our Distinguished Speakers & Panellists



STEVEN LOH
Lenovo Malaysia Country Sales Manager
Malaysia IoT Association – Deputy Chairman



AZRIN BIN ARIS
Head of Product Division
Business Technology, TM ONE



SIM HON WAI, COO,
MDT Innovations Sdn Bhd



Jonas Jeyaraj Anthony, Manufacturing Operations Director,
Panasonic AVC Networks



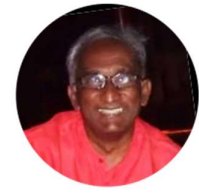
RUSHDI ABDUL RAHIM,
Senior Vice President,
Malaysia Industry-Government Group for High Technology
(MIGHT)



Datin Anna Amalina Imam Baweh,
Senior Principal Assistant Director,
Sectoral Policy Division, MITI



Tan Sri Althoff Rainier,
Independent Non-Executive Director,
Top Glove



Dr. K. Ragnathan, Chief Executive Officer,
Quality Associates



Shafnaz Farouk, Managing Director
RTI International, Malaysia



Michael Goh, Director, Sales ASEAN,
Robert Bosch (SEA) Pte Ltd



Dato' Sri Ganes,
Chief Executive Officer,
SG Education Group



Le Yan Chin, Senior Applications Engineer,
STMicroelectronics



Fadlan Nik Abdul Aziz, Head of Innovation Technology
Management & Commercialisation (TMC) Department,
Project Delivery & Technology (PD&T) Division,
PETROLIAM NASIONAL BERHAD (PETRONAS)



Chong Kok Onn,
Technical Director
Tekmark Group



Ong Chee Tat,
National Deputy President,
SME Association



Vicks Kanagasingam,
Chief Operating Officer,
Xperanti IoT



Jack Lim, Director,
Gartner Research & Advisory (Malaysia)



Dr. CF Boon, Senior Director,
Wireless Innovation Laboratory
MIMOS Berhad



Prabodh K Sheth, Chief Executive Officer,
ICEE International



Dr.-Ing. NARENDRA KUMAR,
University Malaya



Ken Yong LEE,
Wireless Application Consultant,
Keysight Technologies



Ahmad Helmi Abdul Halim,
Head of IoT Business in Xpand,
(a subsidiary of Axiata Bhd)



Razim Faris, Regional Sales Director Asia Pacific,
i2O Water



Mohd Qayyum Akbar Abdul Halim,
Electrical Engineer
Vectolabs Technologies Sdn Bhd



Steve Harrison,
Chief Advisor to the City of Adelaide,
Capital City of South Australia