



# Professional Development & Mobility for Engineers

Building Competitive Engineering Talent and Ecosystem in Meeting Tomorrow's Demand

**Registration Fee**  
**SGD70 (Public)**  
**SGD56 (IES Member)**

Fees stated above excludes GST

**Includes Forum & Wine Tasting**

**2 DECEMBER 2019**  
**MANDARIN ORCHARD SINGAPORE**

## GUEST-OF-HONOUR



**Mr Chee Hong Tat**  
Senior Minister of State for Trade and Industry and Education

## DISTINGUISHED GUEST



**H.E. Margriet Vonno**  
Ambassador of the Kingdom of the Netherlands in Singapore

## FORUM | 1:00 - 5:30PM

This forum intends to spur and emphasise the importance of continuous professional development for the future-ready engineers. Robust up-skilling and re-skilling and keeping up with disruptive technologies impacting engineering, skills and employability is no longer optional.

The forum will also address how mobility of engineers can be enhanced and materialised through international agreements and accords that promote mutual recognition and mobility of engineering talents on global platform. In addition the forum will preview the new competency-based career progression pathway for Technologist and Technician in developing a resilient and inclusive engineering ecosystem in Singapore.

## 6:00 - 8:30PM

### *Wine Tasting & Social Evening*

*Join us for an evening of fun and educational wine tasting experience paired with delightful canapes!*



## FOR ENQUIRIES, PLEASE CONTACT

**Ms Charlotte Seah**  
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IES Member  
Registration

**Ms Madelyn Kia**  
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Public  
Registration

## SPEAKERS

### Micaela dos Ramos



Micaela has been the director of KIVI since July 2013. Since June 2016 she is Registrar of the Chartership structure. Micaela is also a member of the Institutional Advisory Board of the NWO institute SRON, member of the Advisory Board of Groningen Engineering Center of the University of Groningen and member of the Assessment Committee HBO postdoc research of National Directorate Practice-oriented Research SIA.

### Tan Kok Yam



As the Deputy Secretary of the Smart Nation and Digital Government Office (SNDGO), Mr. Tan is responsible for the plans to realise impactful projects for Smart Nation, raise quality and inter-operability of Government IT and Smart systems, grow ICT-related capabilities for Government, and engage citizens and businesses to be part of the Smart Nation journey. Mr Tan is also a Deputy Secretary in Strategy Group and oversees issues related to data, technology and climate change. Mr Tan is an engineer by training (Bachelor in Electrical and Electronic Engineering), with Master of Science in Telecommunications and a Fulbright Scholar with Stanford Graduate School of Business.

### Patty Mamola



Patty is a Nevada licensed professional engineer with over 30 years of government and private sector experience in engineering and constructing complex public works projects. Patty became the Executive Director of the Nevada State Board of Professional Engineers and Land Surveyors in June 2016. On the national level, Patty served as president of the National Council of Examiners for Engineering and Surveying (NCEES). She currently serves as a governing member of the International Engineering Alliance, holding the elected position of chair APEC Engineers.

### Elizabeth Taylor



Elizabeth's career has encompassed maritime design and construction management, Women in Engineering and academic roles. She is now a consultant in quality assurance and risk and holds a number of Board positions. Currently she is Chair, Washington Accord, and Deputy Chair, Governing Group, International Engineering Alliance facilitating international engineering education standards and mobility. For many years she has been involved in humanitarian work as Chair, RedR Australia and RedR International and the Cambodian Children's Trust Australia.

### Danny Lee



Danny is currently the Course Chair for Diploma in Aerospace Electronics and Diploma in Engineering with Business at School of Electrical and Electronics Engineering, Singapore Polytechnic. He is also serving as Steering Committee Vice Chairman of Committee on National Career Progression Pathway for Technologist & Technician, Deputy Chairman of Aerospace Engineering Technical Committee, Chairman of IES Student Chapter and Management Board Member of IES Academy.

Jointly Organised By:



# SCHEDULE

Time	Programme
1:00 – 1:45pm	Registration
1:45 – 1:50pm	<b>Welcome Address</b> Er. Tan Seng Chuan, <i>Emeritus President, Chairman, International Outreach Committee, IES</i>
1:50 - 2:00pm	<b>Opening Address</b> Professor Yeoh Lean Weng, <i>President, IES</i>
2:00 – 2:15pm	<b>Keynote Address by Guest of Honour</b> Mr. Chee Hong Tat, <i>Senior Minister of State for Trade and Industry and Education</i>
2:15 – 2.30pm	Speech by Her Excellency, <b>Margriet Vonno</b> , <i>Ambassador of the Kingdom of the Netherlands in Singapore</i>
2:30 – 3:00pm	<b>Continuous Professional Development: Reskilling and Upskilling for Greater Marketability</b> Micaela dos Ramos <i>Chief Executive Officer, Royal Netherlands Society of Engineers KIVI</i>
3:00 – 3:30pm	<b>Engineers in the Age of 4.0 – How to Keep Up with Evolving Technology Advancement</b> Tan Kok Yam <i>Deputy Secretary, Smart Nation and Digital Government Office, and Strategy Group, Prime Minister's Office</i>
3:30 – 3:45pm	Tea Break
3:45 – 4:30pm	<b>Enhancing Cross-Border Connectivity and Mobility through APEC Engineer</b> <ul style="list-style-type: none"> <li>• Current mobility trends, patterns and pathways for engineering professionals</li> <li>• How to boost global mobility – IEA's Agreements &amp; Accords</li> <li>• APEC Engineers &amp; mutual equivalence framework</li> <li>• How APEC Engineers benefit engineering professionals and promote standards, best practices and future outlook</li> </ul> <p><b>Patty Mamola</b> <i>Executive Director, Nevada State Board of Professional Engineers and Land Surveyors Chairwoman, APEC Engineers</i></p> <p><b>Elizabeth Taylor</b> <i>Deputy Chair, International Engineering Alliance Chairwoman, Washington Accord</i></p>
4:30 – 5:00pm	<b>Engineering Technologist &amp; Technician – A New Competency-Based Career Progression Pathway</b> <ul style="list-style-type: none"> <li>• The case for a new career progression pathway for Technologist &amp; Technician</li> <li>• What competency based career progression entails and means for technologist / technician</li> <li>• IES proposed framework - competency criteria, assessment, training, continuous development &amp; accreditation board</li> <li>• Developing future-ready engineering professionals - benchmarking with international standards</li> </ul> <p><b>Danny Lee</b> <i>Vice Chairman, Steering Committee, National Career Progression Pathway for Technologist &amp; Technician, Singapore</i></p>
5:00 – 5:30pm	<b>Panel Discussion</b> Moderator - <b>Lock Kai Sang</b> <i>Professor, Singapore Institute of Technology Deputy Chairman, Washington Accord</i>
6:00 – 8:30pm	<b>Wine Tasting &amp; Social Evening</b>