

## *Young Professional Standards Awareness Talk*

### *Unleash your potential: “Shaping the future of Electrotechnical industry through standards”*

28 August 2018 – 03.00 pm, Engineering Block E3-06-10, NUS

#### **Proposed Programme:**

15.00 – 15.05	Video presentation relating to standards development activities
15.05 – 15.15	Singapore Standardisation programme
15.15 – 15.35	International Electrotechnical Commission (examples on standards related to the students’ courses)
15.35 – 15.50	Benefits of Standards for a young engineers and to the company
15.50 – 16.00	Q & A

#### **Title 1: Start Young on Standards**

**Abstract:** Being involved early in the Singapore Standardisation Programme, has helps me in widening my horizon of knowledge in the electrotechnical aspects and increased opportunities to network with industry leaders and experts. Similarly, this programme will enable you to benefits from the interactions with the stakeholders on exchange of information relating to industry trends and emerging technologies.

The sharing of my involvement in the Programme aims to provide you with a better understanding on the standardisation programme as well as the benefits you can achieved for your career and your future employer. It is also an opportunity for you to help shape the future of standardisation and conformity assessment to enhance safety and trust of products and services! Your involvement in the Programme will helps to promote innovation to companies and it provides confidence about your products and services to the public.

#### **Speaker Bio:**



**Nicole Chan** was one of the recipient of the Enterprise Singapore’s (formerly known as Spring Singapore) SME Talent Programme Scholarship that led her to join Keystone Cable Pte Ltd as a Quality Control Specialist. She has a diploma in Electrical and Electronic Engineering,

Nicole Chan is now one of the youngest supervisor in Keystone Cables. She works closely with the company’s technical and production teams to develop new products and testing methods based on different International Standards, and is a key member in company’s development and implementation of ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007. She supervises team of 9 staff in adopting new working methods and training them on the digitalization of several internal quality control processes.

In 2017, she was selected by the National Committee to participate in the IEC Young Professional Workshop in Russia. Currently, she is involved in the Singapore Standardisation Programme since 2016 on the development of standards related to electric cables.

## **Title 2: IEC – World’s leading organization on Electrotechnology Standards**

**Abstract:** Founded in 1906, the IEC (International Electrotechnical Commission) is the world’s leading organization for the preparation and publication of International Standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The objective of the talk is to increase the exposure of IEC standardisation and conformity assessment works to the students. The talk will open up the exploration on the roles of standards in electrotechnical field, as well as inspire and attract young professionals to participate in national and international standardization works. Young professionals’ participation will contribute towards sustaining national and international electrotechnical development.

It is also one of the outreach activities by Enterprise Singapore and IEC to reach out to university students.

### **Speaker Bio:**



**Richard Tan** works as a Product Safety and Technical Regulation Engineering Manager in Panasonic Asia Pacific Private Limited (regional headquarters). He has vast experience on consultancy and training services in electrical and electronics products safety standards such as IEC 60065, IEC 60335-1, IEC 60950-1 and IEC 62368-1 as well as energy efficiency, telecommunication and electromagnetic compatibility regulations.

Richard is also the company liaison for regional electrical and electronics products regulatory affairs, engaging with government agencies and industry associations for new and revised regulation promulgation. This year, he is the recipient of the Panasonic Corporation Japan Headquarters Group Division Director’s Individual Award for his long-term contribution of strengthening the product technical regulations compliance framework and operations in Asia-Pacific region.

In 2017, Richard Tan had participated in a 3-day IEC Young Professionals Workshop held in Russia, where he had the opportunities to network with the global IEC community and experts.

For IEC standardization works, he is particularly interested in IEC TC 61 - Safety of household and similar electrical appliances and IEC TC 108 - Safety of electronic equipment within the field of audio/video, information technology and communication technology.

**About the IEC (International Electrotechnical Commission):**

Founded in 1906, the IEC is the world's leading organisation for the preparation and publication of International Standards for all electrical, electronic and related technologies. These are known collectively as "electrotechnology".

IEC has over 20,000 experts, more than 100 years of expertise and a global network of some 170 countries that covers 99% of world population and electricity generation. Millions of devices that contain electronics, and use or produce electricity, rely on IEC International Standards and Conformity Assessment Systems to perform, fit and work safely together.

The mission of IEC is to achieve worldwide use of IEC International Standards and Conformity Assessment Services that ensure the safety, efficiency, reliability and interoperability of electrical, electronic and information technologies, to enhance international trade, facilitate broad electricity access and enable a more sustainable world.

IEC provides a platform to companies, industries and governments for meeting, discussing and developing the International Standards they require.

All IEC International Standards are fully consensus-based and represent the needs of key stakeholders of every nation participating in IEC work. Every member country, no matter how large or small, has one vote and a say in what goes into an IEC International Standard.

For more information on IEC, please visit [www.iec.ch](http://www.iec.ch)

**Organized By:**

Green Energy Management and Smartgrid Research Center (GEMS), Department of Electrical and Computer Engineering, National University of Singapore.

