



IES-ACES M&E RE/RTO NETWORKING NIGHT 2024

**2 STU (M&E)
CONFIRMED**

**2 PDU (PE)
CONFIRMED**



**12 September 2024
6.00pm to 9.30pm**



Registration Fees:
M&E RE/RTO: \$70 nett
IES/ACES Members: \$70 nett
Others: \$95 nett

**Lifelong Learning Institute
Eunos Road 8
Leve 1, Event Hall 1-1 / 1-2
Singapore 408601**



**[https://form.jotform.com/
241951394514459](https://form.jotform.com/241951394514459)**



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6461 1242

Ms Ang Chai Hoon



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Event Program

- 6.00pm Registration
- 6.15pm Dinner (HALAL) cum Registration
- 7.00pm Welcome Speech by IES/ACES M&E RE/RTO Registry
Co-Chairman Er. Joseph Goh
- 7.10pm Speaker 1: Mr Gn Chiang Huat
Topic: Responsibilities of Resident Engineer and
Resident Technical Officer
- 7.50pm Speaker 2: Mr Winston Chin
Topic: Retrofitting Buildings in Tropical Singapore via
Active Design Measures
- 8.30pm Speaker 3: Er. Teo Chor Kok
Topic: Electrical Practices for Electrical
Installation SS638:2018
- 9.10pm Presentation of
Certificates of Appreciation
- 9.20pm Group Photo
- 9.30pm End of Networking Night



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Mr Gn Chiang Huat
A Resident Engineer at
Meinhart Pte Ltd



Profile

Mr Gn Chiang Huat has 40 years experience in the M&E building services industry. He graduated with a degree in Electrical Engineering in 1985 from National University of Singapore (NUS) and completed a Part-Time Master's Degree in Building Science from NUS in 1989.

Topic

Responsibilities of the Resident Engineer and Resident Technical Officer

Synopsis

Being a Site Staff, we are the eyes and ears of the Qualified Persons and Client on site. We maintained the quality of the finished product based on the contract, governing code of practice and specifications.

We ensure that the materials and works were carried out based on specifications and also submit daily progress report to our QP/client.

We have to carry out regular inspections at various stages of the work.

At different milestones of the project, we have to carry out individual system test and combined testing. This is to prepare for the final RI inspection to the completion of the project.



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Mr Winston Chin

**General Manager
for Infrastructure Engineering
Division at
Mitsubishi Electric Asia**



Profile

Mr Winston Chin is with Mitsubishi Electric Asia since 2004, he currently served as the General Manager for Infrastructure Engineering Division. Graduated from the University of New South Wales, Australia with honors in Electrical Engineering, Winston's interest and expertise is in microgrid and solar technology, energy storage, energy and building management systems, data center solutions, BIM & digital twin technology, cooling and ventilation systems for large facilities.

Winston has overseen and completed many projects in the APAC region, particularly in the energy and renewable sector. His current portfolio with Mitsubishi Electric includes heading their water treatment and microgrid utility plant business, rolling stock transportation business, UPS for data centers, visual imaging as well as building management system.

Topic

Retrofitting Buildings in Tropical Singapore via Active Design Measures

Synopsis

Introduction to Mitsubishi Electric
Diamond Controls BMS

Managing Energy Usage to Improve Energy Efficiency

- HVAC Energy Management System
- Comfort vs Energy Savings, how to make best of both worlds.

Tackling Indoor Air Quality

Water Consumption Monitoring

Centralised and Integrated Wide View of
Facilities

Digitalised Data Collection and Analytics



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Er. Teo Chor Kok
IES M&E Engineering TC



Profile

Er. Teo Chor Kok obtained his degree in Electrical Engineering in University of Singapore in 1979. He also obtained B. Sc in Mathematic (London University). He obtained MSc in Industrial engineering from NUS and Graduate Diploma in business and Admin. He worked for the Electricity Department of the PUB till 1995 and PowerGrid till 1997. He is a registered PE since 1985. He is a practising EMA licensed electrical engineer authorised to operate and maintain electrical installation up to 22KV since 1997. He conducted course on Earthing Application and short course on CP5:1998 and SS638:2018. He investigated HT flash over and LT short circuit fire case as well as act as expert witness for electrical incident.

Topic

Electrical Practices For Electrical Installation SS638:2018

Synopsis

Electrical Practices For Electrical Installation SS638:2018

- Main Electrical Codes and Regulations
- Electrical installation and System
- Protection for Safety
- Switching operation and Isolation
- Cable Sizing and Voltage Drop
- Inspection And Testing



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