



Empower the World

Half-Day Seminar Smart Power Solutions for a Sustainable and High-Performance Future

Synopsis

Optimising Low Voltage Circuit Breaker Selection for Switchgear Applications: Standards & Best Practices ~ By Daniel Pang Kok Khian

This session explores how to optimise the selection of low voltage circuit breakers for switchgear applications, balancing performance, safety, and compliance. It covers key international standards such as IEC 60947 and IEC 61439, and highlights the growing role of intelligent circuit breakers with IoT capabilities.

Attendees will gain practical insights into applying best practices for future-ready, connected, and standards-compliant electrical installations.

About the Speaker

DANIEL PANG KOK KHIAN Head of R&D

Daniel Pang leads the APAC R&D Centre with a focus on driving innovation in low voltage power distribution and control. With over 2 decades of industry experience across data centres, healthcare facilities, and infrastructure projects, he specializes in low voltage power switching and protection solutions tailored for modern electrical networks.

Over the years, Daniel has contributed to the successful delivery of high-impact projects—from international airports to hospitals and commercial/industrial developments. He is also an active speaker, having conducted numerous seminars and training sessions for industry partners and trade associations.

Passionate about the future of energy and technology, Daniel is a strong advocate for digitalization, IoT integration, and future-ready electrical systems. He holds an honours degree in Electrical Engineering from the National University of Singapore.

- 🛔 11 June 2025 (Wed)
- 8.30am 1.00pm



IEM Penang Secretariat 1-04-02, E-Gate, Lebuh Tunku Kudin 2 11700 Penang

BEM CPD Hours: 4 Ref: IEM25/PG/218/S

IEM Member : FOC Non-IEM Member: RM60

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Synopsis

Empowering Semiconductors and DC Systems with Noark: UL-Certified Innovation ~ By Yufeng

This presentation will provide valuable insights into the selection and application of UL-certified electrical products, specifically focusing on the MCBs, MCCBs, contactors, and related accessories. Attendees will gain a clear understanding of the key differences between UL and IEC standards, and why UL certification is important for safety, compliance, and global market access-especially in sensitive environments like semiconductor manufacturing.

The session will also offer practical guidance on how to choose the right UL-certified products for various industrial applications, helping participants make informed decisions for their projects. By the end of the presentation, audience will be equipped with the knowledge to confidently evaluate and specify UL-compliant solutions that meet both international standards and local requirements.

About the Speaker

ZHANG YUFENG Region Product Manager

Yufeng is an accomplished professional with more than 13 years of experience in industrial electrical products and solutions. He currently serves as APAC Product Manager at CHINT Global, where he leads strategic planning and execution for LV product marketing. His role includes defining product value propositions, coordinating market analyses, and conducted more than 40 trainings to contractors, licensed electricians and panel builders, driving sales efficiency.

He was a Product Designer in a leading process automation team, specializing in developing process automation control solutions for oil and gas, chemical, and nuclear industries. Earlier in his career, he specialized in the design of control relays.

Yufeng holds a Bachelor's degree in Electrical Engineering from the University of New South Wales, Australia. He is in the Protection Devices Singapore Standard Working Group and certified in TUV Functional Safety Design (IEC61508). He is also a professional member of Engineers Australia.







Empower the World

Synopsis

Powering the Future: Enhancing Grid Stability with Reactive Power Compensation

~ By Mr Jerico

Rapid urbanization and increasing global population are driving significant growth in energy demand. The future grid is expected to be larger and more complex, incorporating diverse energy sources and advanced technologies. Therefore, there is an increasing demand for improved power quality and reliability. Grid operators must address issues like voltage regulation, frequency stability, and the impacts of intermittent renewable resources.

Managing reactive power is crucial in power systems to ensure stability, efficiency, and economic operation. Balancing reactive power is necessary to mitigate losses and optimize the performance of both generation and transmission systems.

Green Energy, Smarter Storage: Unlocking the Power of BESS for a Resilient and Sustainable Grid

As the global energy landscape shifts towards renewables, the challenge of integrating intermittent sources like solar and wind into the power grid becomes increasingly evident. Battery Energy Storage Systems (BESS) emerge as a pivotal solution, offering rapid-response capabilities that stabilize the grid by storing excess energy during low-demand periods and discharging it during peak times

This presentation explores the multifaceted benefits of BESS, exploring its technical capabilities, economic advantages, and strategic importance in achieving a sustainable energy future. By examining case studies and current deployments, we will illustrate how BESS is not just a complementary technology but a cornerstone in building a resilient and sustainable power grid

About the Speakers

JERICO DON ORTIGAS MEDEL APAC Lead, Strategic Segments/Technical & Design

Jerico is a Professional Electrical Engineer with more than 19 years of experience in designing, planning and developing electrical power systems focusing on economy, safety, reliability, quality, efficiency and sustainability of various types of projects. He has successfully completed mega scale projects from residential, commercial, industrial, infrastructures, transportation and utility distribution substations including renewables from feasibility study, preliminary design, detailed design, project execution up to the testing and commissioning and project handover.

Jerico provides technical and design solutions to electrical practitioners adopting latest technologies in compliant with the International and Local Standards. He was formerly an Associate Director of AECOM Singapore, Head of Technical and Design Promotion of ABB and now, the Lead for Strategic Segments – Technical and Design in Asia Pacific region.







Synopsis

Integrated Medium & High Voltage Solutions for Reliable Power System ~ By Christo Boy, Tan

In an era where uninterrupted, efficient, and intelligent power supply is essential to sustain industrial growth and critical infrastructure, CHINT stands at the forefront of delivering integrated Medium and High Voltage solutions that redefine reliability and performance in modern technologies power systems.

This will highlight how end-to-end MV and HV portfolio—including switchgear (GIS & AIS), Power & Distribution Transformer — forms a seamless, intelligent ecosystem. These technologies are engineered to meet the highest standards of safety, flexibility, and efficiency, ensuring robust power distribution across utility, commercial, and industrial sectors.

By integrating CHINT's solutions into electrical networks, it gains access to globally trusted innovation backed by localized expertise, exceptional service, and a commitment to sustainable energy infrastructure. We will also explore how CHINT's capabilities support in reducing operational costs

About the Speaker

CHRISTO BOY, TAN Assistant Manager, HV/MV Division

Christo Boy, Tan is an experienced electrical engineering professional with over 17 years in the industry, specializing in HV/MV systems, AC/DC electrical applications, and project management within construction and infrastructure sectors. He has a strong track record in design, sales, and project leadership, and is recognized for implementing cost-effective strategies and process improvements using Lean Manufacturing and Six Sigma methodologies.



Christo excels in leading cross-functional teams and delivering reliable, highperformance electrical solutions tailored to client needs. He currently holds the position of Assistant Manager, HV/MV Division at CHINT Malaysia.

Program Schedule	
Time	Details
8.30am-9.00am	Registration with breakfast
9.00am-9.05am	Welcome Speech by CEO Chint Malaysia, Mr. Tey Siang Leng
9.05am-9.15am	Keynote Speech by Region Head Chint Malaysia, Mr. Simon
9.15am-9.45am	Optimising Low Voltage Circuit Breaker Selection for Switchgear Application Standards & Best Practices - by Mr. Daniel Pang
9.45.am-10.30am	Empowering Semiconductors & DC Systems with Noark:UL-Certified Innovation - by Mr. Yufeng
10.30am-10.45am	Coffee break
10.45am-11.25am	Powering the Future: Enhancing Grid Stability with Reactive Power Compensation - by Mr. Jerico
11.25am-12.05pm	Green Energy, Smarter Storage: Unlocking the Power of BESS for a Resilient and Sustainable Grid - by Mr Jerico
12.05pm-12.45pm	Integrated Medium & High Voltage Solutions for Reliable Power System - by Mr. Christo
12.45pm-1.00pm	Q&A Session - END

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