

**NOVARIS**



# SURGE PROTECTION MASTERCLASS

**From Standards to Real-world practice.**

Learn from the industry experts as we decode surge protection standards and share practical insights into SPD technology for Power applications.

**01. Limited Seats — 02. Lunch & Networking — 03. Training Certificates**



**Phillip Tompson**

BE (Hons) MIE (Aust)  
CPEng MIEE

Managing Director



**Josephine Winnie**

BE MSc  
Electrical Engineering

Solutions Architect



# 15<sup>th</sup> July

8.30 a.m — 1.00 p.m

**Le Méridien Petaling Jaya**

IEM26/HQ/238/S - 3CPD Hours

**NOVARIS TECHNOLOGIES (M) SDN BHD**

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# SURGE PROTECTION MASTERCLASS

## Agenda:

1.	Introduction	9.00am - 9.10am	10 mins
2.	How to choose the right Surge Protection	9.10am - 9.40am	30 mins
3.	Update on IEC 61643 standard	9.40am - 10.10am	30 mins
4.	Conventional SPD practices vs. modern challenges	10.10am - 10.40am	30 mins
	Tea Break	10.40am - 10.50am	10 mins
5.	SPD specific Overcurrent Protection	10.50am - 11.35am	45 mins
6.	Hybrid Surge Protection Devices	11.35am - 12.20pm	45 mins
7.	Correct & Cost-efficient installation practices	12.20pm - 12.50pm	30 mins
8.	Q&A, Interactive discussion	12.50pm - 1.00pm	10 mins
	Lunch	1.00pm	

## LEARN FROM THE EXPERT

Mr. **Phillip Tompson** holds an honours degree in Electrical Engineering (Electronics and Communications) from the University of Queensland in 1971.

Mr. Tompson has more than 30 years of expertise in lightning & surge protection. He is a Chartered Professional Engineer, a Fellow of Engineers Australia, a life member of IEEE, and a recognized Chartered Engineer in the APEC countries. He was appointed as the Lightning Risk Assessment Consultant by DSTA for MINDEF projects and has been actively consulting on surge protection solutions for key Singapore public sector projects with LTA, PUB, SPF, Changi Airport.

Mr. Tompson is a member of the Australian Standards Committee EL-024, responsible for developing the Australian Standards AS1768, and represents Standards Australia on IEC committees TC81 and SC37A, which oversee the International standards IEC 62305 and IEC 61643 for lightning and surge protection.

**Josephine Winnie** is the Solutions Architect at Novaris, based in Singapore. She holds a Master's Degree in Electrical Engineering specializing in Automation and Control from the National University of Singapore and has extensive experience in industrial automation, control systems, and surge protection applications across Asia.

Before joining Novaris, she spent eight years with Yokogawa as a Distributed Control System (DCS) Engineer, supporting projects in oil & gas, process, and infrastructure industries. At Novaris, Josephine works closely with consultants, system integrators, end users, and OEMs to develop practical and standards-compliant surge protection solutions for industrial and critical infrastructure applications across the Southeast Asia region.