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ENGINEERS  
AUSTRALIA

## Joint Institution Lecture Series-

# Essential Elements of Surge Protection

Design- AS/NZS and IEC Standards

Hosted by: The Engineers Australia  
Electrical and ITEE Colleges

Earn CPD  
hours

This seminar will discuss the key performance yardsticks contained within the IEC 61643 series and demonstrate practical ways of implementing a comprehensive site-wide surge protection plan. Surge protection is important. More commercial & industrial projects than ever before are now actively considering ways they can protect valuable electrical equipment from electrical surges, which can cause significant financial loss. The IEC surge protection standards provide direction and guidance for the selection and installation of surge protective devices (SPDs) as well as setting the industry benchmarks for SPD performance.

#### Discussion Topics:

Background/history of the current Australian SPD standards (AS/NZS 1768, AS/NZS 3000, AS/NZS 4070, AS/NZS 3100, TS009 etc.), their scope and limitations.

Relevance of international standards in Australia and the obligations for engineers to adhere to them.

The consequences of the changes in IEC 61643-11 & UL1449 to SPD design, safety & quality.

How to apply the IEC Test Classes for SPD selection, coordination & application.

Effective surge protection installation.

SPD product testing facilities.

#### About the Speaker Phil Jones, Principal Engineer, ERICO Engineering Department:

Phil Jones holds BE (Hons) and MTech, and has nearly 30 years' experience in Facility Electrical Protection. Phil is Chairman of Standards Australia's Surge Arrester Committee EL007-03 and is the Australian representative on the International IEC SC37A Surge Protection committee. Phil is an active member of the Australian Standards Lightning Protection committee EL024, responsible for producing the Australian Standard for Lightning Protection, AS1768, in 2007, and presently under revision.

#### VENUE

Harricks Auditorium  
Engineers Australia  
8 Thomas street  
Chatswood NSW 2068

#### DATE & TIME

Tuesday 26 March, 2019  
5.30 pm for a 6.00 pm start

Light refreshments will be provided  
prior to the presentation.

Presented in Cooperation with



TICKETS (incl. GST)

EA Members & Students:

Free

IEE & IET Members: Free

Non-members: \$30

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