

Presented by



High Voltage Conference

26th & 27th July 2023
Brisbane, Australia

Speaker & Sponsorship Prospectus

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About IDC Technologies

IDC Technologies is internationally acknowledged as the premier provider of practical technology training and technical conferences. With offices located in Australia, New Zealand, Singapore, United Kingdom, Ireland, India, USA, Canada and South Africa, IDC Technologies has an enthusiastic team of professionals who are committed to providing the highest quality training and events.

Conference Management

Over the past 20+ years IDC Technologies has coordinated workshops and conferences around the globe. Each conference has a dedicated team of professional organisers who are committed to making that event a success. The aim is to have the highest caliber of speakers who will present an interactive program with real world examples, case studies and solutions.

We aim to provide conferences with niche topics, speakers and content.

IDC Events specialise in technology training in the fields of:

- Education and Training
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Industrial Data Communications and Networking
- Information Technology
- Electronic Engineering

Visit our website for upcoming event information [Home \(idc-online.com\)](http://idc-online.com)



High Voltage Conference

An Overview

This conference has been created for those working with high voltage systems in mining, industrial plants, oil and gas and utilities. The event will focus on earthing, design, testing, installation and maintenance topics. High voltage installation can range from a substation, auxiliary systems, interconnecting cables/lines and naturally the user's facilities such as a plant, factory, office facility and mine site. Equipment includes switchgear, transformers, converters, cables, lines, batteries, earthing systems, capacitors, reactors, buildings and structures.

This conference will cover the AS 2067: 2016 HV standard which provides minimum requirements for the design and installation of high voltages above 1kV (ac) so as to provide safe functioning in operation. In addition to HV design and installation, HV maintenance can be a challenging undertaking and the Australian industry needs to have sustainability and reliability of ageing HV equipment at the forefront of their minds when planning and designing their upcoming projects. The conference will discuss problems that arise from HV equipment maintenance and how industry can overcome these issues through well planned maintenance programs, adherence to standards/regulations and forward thinking.

Most sections of AS 2067 have changed. These include issues associated with developments in the Building Code of Australia, closer alignment with the work of EL23 which deals with Mining Standards, and substation installation earthing. Significant changes have been made to the sections on access areas, protection against fire and explosions and earthing. The earthing section in particular is being considerably expanded and amended to cover all industry sectors, including that of mining.

In addition to HV design and installation, HV maintenance is a challenging undertaking and the Australian industry needs to have the sustainability and reliability of ageing HV equipment at the forefront of their minds when planning and designing their upcoming projects. The conference will discuss problems that arise from HV equipment maintenance and how industry can overcome these issues through well planned maintenance programs, adherence to standards/regulations and forward thinking.

Conference Venue

Rydges South Bank

Corner of Grey & Glenelg Street, Brisbane, 4001, Australia

<https://www.rydges.com/accommodation/brisbane-ql/brisbane-south-bank/>

(07) 3364 0800

Rydges South Bank Brisbane is located in the heart of Brisbane's arts and entertainment precinct with plenty of [things to do](#) and only minutes away from [South Bank Parklands](#) and the [Brisbane Convention & Exhibition Centre](#).



Call for Papers

Are you an electrical engineer, technologist or technician working with high voltage systems in mining, industrial plants, oil and gas or the utilities industry? We are looking for a number of presenters to submit a topic idea and present their papers at this upcoming conference which has been developed to promote best practice in this area.

Join your peers in a vigorous and positive exchange of views, building your career and public profile and making a contribution to Australian electrical engineering practice in this vital area!

IDC Technologies Conference presentations are non commercial. The focus is on providing practical applications and solutions – probably the best way to showcase your technologies and engineering skills. In particular we are seeking practical case studies, applications and the newest developments in this critical subject.



Topic Suggestions

HV SAFETY:

- Isolation
- Making feeders and apparatus safe
- Work permits
- Live chambers and prohibited areas
- Abnormal conditions
- Responsible persons
- Local regulations and instructions

HV STANDARDS & REGULATIONS:

- Standard and best practice
- Changes to HV standards
- State and utility regulations
- The need for new standards
- Inspection & Testing
- Interpretation of standards
- HV transmission and distribution network design
- Comparison between IEEE and IEC standards – European, USA & Asian equipment suitability

HV POWER SYSTEM PROTECTION:

- Protection relays and settings
- Fault calculations and analysis
- Network protection schemes (incl. substation specifics such as transformer, area and directional protection)
- HV and LV overcurrent and earth leakage issues
- Applications of protection
- Fault types and their effects
- Co-ordination issues
- Unit, feeder, transformer, switchgear, motor, generator, overhead line protection case studies
- System earthing
- Protection system components
- Instrument transformers
- Switchgear
- Batteries

ELECTRICAL SYSTEMS, EARTHING & BONDING:

- System earthing
- Equipment bonding & earthing of structures
- Electrical safety earthing
- Static earthing
- Solid, impedance, touch potentials
- Electric shock
- Earth leakage protection
- Design
- Protection
- Earthing electrodes
- Measurement
- Neutral earthing
- Corrosion problems in earthing
- Earthing of surge protection devices

Topic Suggestions Cont.

High Voltage Maintenance:

- Replacement versus reconditioning of electrical equipment
- Managing an ageing fleet of HV transmission and distribution equipment
- HV maintenance programs and asset management strategies
- Electrical safety related to HV equipment
- Reliability centered maintenance (RCM) of HV equipment
- RCM risk analysis - Assessment of switchboards, circuit breakers, rotating machines, transformers
- Condition based maintenance (CRM) of HV equipment
- Testing and maintenance of polymeric (mainly XLPE) cables
- HV maintenance – rotating equipment
- Medium-voltage contactors
- Maintenance issues causing arc flash and blast
- Isolation tagging and locking systems
- Low voltage circuit breaker testing
- Switchgear life extensions
- Circuit breaker conversions
- Reconditioning standards
- Age of equipment/assets e.g. switchgear and cables
- Shutdown times e.g. production pressure, pressure from stakeholders
- Increasing use of generators to overcome shutdown times
- Legacy issues with older equipment
- Lack of maintenance, procedures, training
- Old equipment/safety issues
- HV safe management plan
- HV supply reliability
- Safety management – minimum requirements for safe working in HV electrical equipment
- Obsolescence – end of life
- Skill shortages in HV maintenance and operation
- Personal protection equipment (PPE) for high voltage switching
- Thermal imaging
- Partial discharge monitoring
- Protection tests
- Ultrasonic monitoring
- PPE testing
- Battery tests and replacement program
- Earthing system tests
- Emergency lighting
- Fire detection and prevention
- Physical/visual inspection
- Furans & other oil tests (water)
- Corona testing
- Cable maintenance and testing
- Condition monitoring, risk and asset management for power

Express Your Interest in Presenting

To Express an Interest

Please fill in the [Expression of Interest Form](#) and email to Conference Manager Arna Eru arna.eru@idc-online.com

What is required of presenters:

- A **100 word abstract**, which outlines the topic you would like to present. This needs to be submitted electronically as soon as possible, to secure your place.
- Once your topic is approved, your **technical paper and PowerPoint slides** will be due six weeks prior to the event.

Speaking slots are allocated on topic suitability and on a first come first served basis. Please note, sales presentations are not accepted.

Sponsorship Packages

Gold Sponsorship

Includes:

- Complimentary attendance for 2 delegates includes catering for two days & attendance to networking drinks
- Signage/banners displayed inside and/or outside the conference room
- Trade display in foyer (trestle table provided)
- Logo featured on conference brochure
- Logo on IDC web site
- Logo on conference manual
- Seat drop – gift/promotional material
- A copy of the attendee names and organisations post event
- Acknowledgement at opening and closing addresses
- Promotional material emailed to delegates post event.

4,200 Incl. GST

Silver Sponsorship

Includes:

- Complimentary attendance for 1 delegate for two days & attendance to networking drink
- Signage/banners displayed inside and/or outside the conference room
- Trade display in foyer (trestle table provided)
- Logo featured on conference brochure
- Logo on IDC web site
- Logo on conference manual
- Seat drop – gift/promotional material
- Acknowledgement at opening and closing addresses
- Promotional material emailed to delegates post event

\$2,800 Incl. GST

Networking Drinks

x 1 Available

Includes:

- › Complimentary attendance for 1 delegate for two days & attendance to networking drink
- › Naming rights of the networking drinks
- › A short speech to extend an invitation to the attendees during the conference closing address.
- › Signage/banners displayed in the space allocated for the networking drinks.
- › Logo on event webpage
- › Acknowledgement at opening and closing address

\$2,000 Incl. GST

Sponsorship Benefits

Attendee Profile

This conference will provide sponsors with the opportunity to build your own business network of engineering and technical professionals. It will give you the mechanism to increase your turnover through access to a clearly defined target market. Why waste valuable marketing resources trying to reach the right people, when they will be at your fingertips?

This conference is an important event which brings together experienced professionals to present papers and case studies highlighting and examining high voltage safety, new technologies and standards. This conference will provide a unique opportunity for companies with products and expertise in this area to reach their market of key decision makers.

Decision Makers

A growing proportion of engineering and technical professionals are represented in most senior roles in industry, commerce and government. They are among the CEOs and Managing Directors of Australia's top 500 companies, as well as hundreds of dynamic small and medium enterprises around the country.

Industries

A multitude of industries will be present at the conference providing you with a wide range of exposure for your products and services. Some of the many industries that will be present include:

| | | |
|-----------------------------------|----------------------------|-------------------------|
| Aluminum | Energy | Petroleum |
| Building services | Petrochemicals | Water Resources |
| Consulting engineers | Food Processing | Pharmaceuticals |
| Defence Industries | Manufacturing | Power Generation |
| IT Companies | Mining and Minerals | Oil & Gas |
| Hotels and Resorts | Telecommunications | Hospitals |
| Environmental Technologies | | |

Sponsorship Benefits Cont.

An IDC Technologies Affiliation

Partnering with IDC Technologies at this conference will provide you with numerous benefits that can not be provided by other conferences or marketing activities. A business association with IDC Technologies will provide you with the opportunity to develop:

Influential Associations

IDC Technologies have the benefit of global recognition as the premier provider of engineering and technology training. Approximately 400,000 engineers and technicians have attended IDC training workshops over the last 20 years. Our valuable clients come from many of the world's leading organisations.

Growing Business Opportunities

Representing your business at this conference will provide you with the opportunity to reach large and small businesses and consequently direct and influence their decisions to purchase your products and services

Access to Key Decision Makers

Give yourself and your colleagues the opportunity to network with decision makers at the highest levels. In positions such as CEO, Managing Director, Engineering Director, General Manager, Engineering Manager, Chief Engineer and Senior Engineer; these individuals are involved in driving the direction of the company and making key purchasing decisions.

Access to Leading Engineering Professionals

Gain access to industry acclaimed engineering experts for your clients and colleagues. All of our guest speakers will be available for consultation during networking sessions.

A Competitive Advantage for Business

IDC Technologies has a proven track record with business partners. Through our involvement in conferences, workshops and education programs globally, we have built and expanded our business network and ultimately, increased our bottom line.

Sponsorship Application Form

Contact Name:

Position:

Company Name:

Postal Address:

Billing Address:

Telephone:

Email:

Purchase Order #:

Signature:

Name:

Date:

- I would like to confirm sponsorship of the **2023 High Voltage Conference** by the above organisation or individual.

Please tick package:

- Gold Package
 Silver Package
 Networking Drinks

Total Cost: \$

Confirmation:

Please email this signed form to conferences@idc-online.com as well as high resolution images of your company logo and website link to be added to the brochure and website. Once we have received your application, we will review and send confirmation in writing along with an invoice for payment. Payment of the invoice must be made prior to the event.

Sponsorship Cancellation Policy

All cancellations must be made in writing to conferences@idc-online.com on or a minimum of 60 days prior to the conference date, after this date they will incur a 50% cancellation fee. Any cancellations within 14 days of the conference incur a 100% cancellation fee.