

Presented by



# Earthing Conference Including Surge & Lightning Protection

21<sup>st</sup> & 22<sup>nd</sup> May 2025

Park Regis | Birmingham, UK

***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 in Australia, New Zealand, Singapore, the United Kingdom, Ireland, India, the USA, Canada, and South Africa, IDC Technologies has an enthusiastic team of professionals committed to providing the highest-quality training and events.

## Conference Management

Over the past 30+ years, IDC Technologies has coordinated workshops and conferences around the globe. Each conference has a dedicated team of professional organisers committed to making that event successful. We aim for the highest quality presenters and subject matter experts to present an interactive program with real-world examples, case studies, and solutions. We strive to provide conferences with niche topics, speakers, and content.

IDC Technologies Events & Technical conferences 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: [events.idc-online.com](https://events.idc-online.com)



# Earthing Conference

## An Overview

**Building on the success of the 2024 conference**, the Earthing Conference **2025** returns to the United Kingdom. This technical conference is for engineers, electricians, installers, and technicians involved in Earthing. Exploring Innovations, Standards, and Best Practices in the UK and Europe.

Encompassing HV earthing design, installation, maintenance programs, compliance, regulations, fault detection, isolation, data centres, earthing modelling and power system design to comprehensive substation design, HV and LV earthing practices, interconnection, and lightning protection, delegates will gain insights from experts into the entire earthing operation. The Earthing Conference 2025 is significant for those seeking to stay at the forefront of the earthing industry.

The Earthing, Surge, and Lightning Protection Conference is the premier platform for industry professionals, engineers, and thought leaders to explore the latest developments, technologies, and challenges. This conference will provide actionable insights, practical training, and opportunities to engage with UK and European peers.

# Call for Papers

If you are an expert in electrical engineering and want to share your wisdom, we encourage you to present at the **2025 Earthing Conference UK**. Join your peers in a vigorous and positive exchange of views, build your career and public profile, and contribute to the United Kingdom and Europe's electrical engineering practice in this vital area!

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



# Topic Suggestions

## Earthing

- Design and testing
- Earthing electrodes
- Measurement
- Neutral earthing
- Corrosion problems in earthing
- Earthing surge protection devices

## Installations

- High voltage & low voltage
- Substations
- Augmentation of buried grids
- Geotechnical issues
- Hazardous areas
- Mining and oil & gas

## Earthing, Comms & Instrumentation

- Protection of instrumentation
- Instrumentation, radio & telemetry transmitters
- Telephone networks
- IT & wireless networks
- Mobile radio networks
- System bonding

## Lightning

- Protection design/Electrostatics
- Non-conventional lightning systems
- Side flash and preventive measures
- Down conductor installation and termination
- Grid design
- Bonding
- Surge impedance
- Probabilistic risk factors

## Power Systems

- Electrical safety earthing
- Static earthing
- Solid, impedance, touch potentials
- Electric shock
- Earth leakage protection
- Design
- Protection

## Bonding

- Sizing conductors
- Parasitic & stray currents
- Interference
- Hazardous areas
- Inspection procedures
- Equipotential grids

## Testing

- Earth resistivity
- Earth loop impedance
- Grid resistance
- Earth continuity

## Standards & Regulations

- Standards and best practice
- State and utility regulations
- The need for new standards
- Inspection and testing
- Load flow studies
- Fault load studies
- Equipment sizing
- Earth's potential rise

## Ups Systems

- Power quality
- Standby sources
- Solid state systems
- Redundancy
- UPS configurations

## Surge Protection

- Bonding practice
- Surge protection practice
- Positioning and selection of lightning/surge arrester

## Electrical Noise & Mitigation

- Categories of noise
- Harmonics
- Frequency analysis
- Electrostatic/capacitive coupling

# Suggested Topics

## Standards and Regulations

Gain insights into UK and European standards such as BS EN 62305, BS 7671, and IEC 60364.

Explore updates to international standards and compliance requirements.

Discover industry best practices in designing compliant earthing and lightning protection systems.

## Earthing System Design

Understand design considerations for earthing systems across various environments. Learn advanced soil resistivity testing and modelling techniques.

## Surge Protection Technologies

Discover the principles and applications of surge protection devices (SPDs).

Learn to protect sensitive electronics and medical equipment in data centre control systems.

## Renewable Energy and Distributed Generation

Address the unique challenges of earthing and lightning protection for renewable energy systems. Explore best practices for solar PV, wind farms, and battery energy storage systems.

## Risk Assessment and Mitigation

Examine lightning risk assessment methodologies.

Learn mitigation strategies for critical facilities like hospitals, airports, and power plants. Discover emerging software tools for risk analysis and system design.

## Testing and Monitoring

Explore ground resistance testing methods and advanced diagnostics. Discover continuous monitoring technologies for high-risk sites. Learn practical approaches to maintaining system reliability and safety.

## Urban Development Challenges

Address earthing and lightning protection challenges in high-density urban environments.

Integrate LPS with smart city and IoT systems. Mitigate risks of electromagnetic interference in urban settings.

## Case Studies and Incident Analysis

Investigate failures in earthing or protection systems and their root causes. Explore best practices in upgrading systems after incidents.

## Training and Competency

Highlight the importance of ongoing professional development for engineers and technicians.

Discover available certifications and qualifications in the UK and Europe.

Participate in hands-on workshops and live demonstrations to enhance practical knowledge.

# Express Your Interest in Presenting

## To Express an Interest

Please fill in the Expression of Interest Form and email to Conference Manager Vynka Malone [Vynka.Malone@idc-online.com](mailto:Vynka.Malone@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	Silver Sponsorship	Networking Drinks
<ul style="list-style-type: none"> <li>• Complimentary attendance for 2 delegates includes catering for two days and attendance at the networking drinks</li> <li>• Signage/banners displayed inside and/or outside the conference room</li> <li>• Trade display in the foyer (trestle table provided)</li> <li>• Logo featured on the conference brochure</li> <li>• Logo on the IDC website, event page</li> <li>• Logo on conference manual</li> <li>• A copy of the attendee names and organisations post-event</li> <li>• Acknowledgement at opening and closing addresses</li> <li>• Promotional material emailed to delegates post-event.</li> </ul>	<ul style="list-style-type: none"> <li>• Complimentary attendance for 1 delegate for two days and attendance at the networking drinks</li> <li>• Signage/banners displayed inside and/or outside the conference room</li> <li>• Trade display in the foyer (trestle table provided)</li> <li>• Logo featured on the conference brochure</li> <li>• Logo on the IDC website</li> <li>• Logo on conference manual</li> <li>• Seat drop – gift/promotional material</li> <li>• Acknowledgement at opening and closing addresses</li> <li>• Promotional material emailed to delegates post-event</li> </ul>	<ul style="list-style-type: none"> <li>• Complimentary attendance for 1 delegate for two days and attendance at the networking drinks</li> <li>• Naming rights of the networking drinks</li> <li>• A short speech to extend an invitation to the attendees during the conference closing address</li> <li>• Signage/banners displayed in the space allocated for the networking drinks</li> <li>• Logo on event webpage</li> <li>• Acknowledgement at opening and closing address</li> </ul>
<p><b>£2,258 (VAT inclusive)</b></p>	<p><b>£1,470 (VAT inclusive)</b></p>	<p><b>£1,050 (VAT inclusive)</b></p>

# 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.

This conference is an important event that brings together experienced professionals to present papers and case studies highlighting and examining Earthing, the relationship with HV and the integration of renewable energy 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. **By sponsoring this conference you will make like long connections that will potentially serve your business well for years to come.**

## Decision Makers

A growing proportion of engineering and technical professionals are represented in most senior roles in industry, commerce and government.

## 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	Construction
Energy Companies	Hazardous Areas	Energy Consultants
Training Groups		

# Sponsorship Benefits

## An IDC Technologies Affiliation

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

### Influential Associations

IDC Technologies enjoys global recognition as the premier provider of engineering and technology training. Over the last twenty years, approximately 400,000 engineers and technicians have attended IDC training workshops. 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:

I would like to confirm sponsorship of the Earthing Conference by the above organisation or individual.

Please tick package:

- Gold Package  
 Silver Package  
 Networking Drinks

Total Cost: £
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Purchase Order #:
Signature:
Name:
Date:

## Confirmation:

Please email this signed form to [conferences@idc-online.com](mailto: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](mailto: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 will incur a 100% cancellation fee.