



# CALL FOR PAPERS

**ICHAEIM 2022**  
**Aug 16-17, 2022**  
**Tokyo, Japan**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICHAEIM 2022 : International Conference on Hazardous Area Electrical Installation and Maintenance is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Hazardous Area Electrical Installation and Maintenance. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Electrical installations in hazardous areas  
Area classification; Area classification practice for gases, vapors and mists in freely ventilated situations  
Calculation of release rates and the extents of hazardous areas  
Area classification practice for gases, vapors and mists in areas which are not freely ventilated  
Area classification practice for dusts  
Design philosophy for electrical apparatus for explosive atmospheres  
General requirements for explosion protected apparatus  
Apparatus using protection concepts encapsulation, oil immersion and powder filling  
Apparatus using protection concept flameproof enclosure  
Apparatus using protection concept pressurization  
Apparatus using protection concept increased safety

Apparatus and systems using protection concept intrinsic safety  
Apparatus using protection concept  
Protection concepts for apparatus for dust risks  
Other methods of protection and future apparatus requirements  
Selection of power supply, apparatus and interconnecting cabling system for both gas/vapor/mist risks and dust risks  
Installations in explosive atmospheres of gas, vapor, mist and dust  
Installation of pressurized apparatus and other uses of the pressurization technique  
Installation of intrinsically safe apparatus/associated apparatus and intrinsically safe systems  
Documentation, inspection, test and maintenance of explosion protected apparatus, systems and installations  
Radio frequency radiation and static electricity

