

INTERNATIONAL CONFERENCE ON ELECTRICAL FIRES

15th and 16th April 2021
PORTO ALEGRE
BRAZIL



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ICEF 2021 is an international conference for exchanging knowledge and new developments on electrical fires research and prevention. A significant number of fires has origin on faults and malfunctions in electrical installations. This can be mitigated by appropriate fire detection systems, use of improved fire behaviour materials, efficient building evacuation techniques, among others. In spite of this, a few has been done on reducing the fire risk of electrical installations. This Conference provides a unique opportunity to discuss how to prevent electrical fires ignitions and potential fire hazard on equipment and installations.

CONFERENCE TOPICS

ELECTRICAL FIRE HAZARD AND RISK ASSESSMENT

- Methodologies for measuring fire risk on electrical installations and equipment.
- Risk mitigation on electrical fires.

ELECTRICAL FIRES INVESTIGATION

- Mechanisms of electrical fires.
- Electrical fire identification.
- Cases studies.

FIRE FIGHTING ON ENERGIZED INSTALLATIONS

- High and low voltage installations fire-fighting techniques.
- High and low voltage installations fire-fighting equipment.

NUCLEAR POWER PLANTS

- Protection of nuclear power plants.
- Fire risk assessment of nuclear power plants.

CERTIFICATION OF ELECTRICAL INSTALLATIONS.

- Maintenance testing specifications and standards.
- Pathologies on electrical installations.

ELECTRICAL INSTALLATIONS, EQUIPMENT AND MATERIALS.

- Arc faults: prevention, fault detection methodologies, Arc Fault Detection Devices (AFDD).
- Wire insulation performance.
- Real time monitoring on electrical installations.
- Fires involving electrical failure on equipment
- Appliance factory tests and standards.

EDUCATION ON ELECTRICAL FIRES.

- Main topics on electrical fire education.
- Electrical fire education of different actors.

ORGANIZING COMMITTEE

GUSTAVO SILVA DA ROCHA, UC, PORTUGAL AND UFRGS, BRAZIL (COORDINATOR);

UNDER CONSTRUCTION

STUDENTS COMMITTEE

UNDER CONSTRUCTION

SCIENTIFIC COMMITTEE

JOÃO PAULO C. RODRIGUES, UC, PORTUGAL (COORDINATOR)

UNDER CONSTRUCTION

CONTACTS: For any query, please do not hesitate to contact the Organizing Committee at the following e-mail address: ICEF.organizing@gmail.com (for organisational questions) or ICEF.scientific@gmail.com (for papers and scientific related questions).

Please email your abstract to:

Email: ICEF.scientific@gmail.com

REGISTRATION FEES (www.icef.online)

| | ANTECIPATED SALES (TILL DEC 4TH 2020) | REGULAR PRICE |
|--------------|---------------------------------------|---------------|
| PARTICIPANTS | 700 BRL | 1000 BRL |
| STUDENTS | 450 BRL | 650 BRL |

The registration fee includes the lunch and coffee breaks in the conference day, digital proceedings, digital book of abstracts and certificate.

VENUE

Porto Alegre is the capital and largest city of the Brazilian state of Rio Grande do Sul. The city is the southernmost capital city of a Brazilian states.



The conference will be held at the Union of Engineers of Rio Grande do Sul, 960 Erico Verissimo Ave, Menino Deus, Porto Alegre, 90160-180, RS, Brazil. Only 10 Km far from Salgado Filho International Airport.



HOTELS

BLUE TREE TOWERS MILENIUM PORTO ALEGRE

3120 Borges de Medeiros Ave, Praia de Belas, Porto Alegre, 90110-150, RS, Brazil. 1,7 Km
P + 55 (51) 3026-2200

HOTEL MASTER EXPRESS CIDADE BAIXA

865 Sarmiento Leite St, - Cidade Baixa, Porto Alegre 90050-170, RS, Brazil. 3,4 Km
P + 55 (51) 30183636

HOTEL INTERCITY PORTO ALEGRE

2145 Borges de Medeiros Ave, Praia de Belas, Porto Alegre, 90110-150, RS, Brazil. 3,7 Km
P + 55 (51) 30229100

INTERCITY PORTO ALEGRE CIDADE BAIXA

1960 Loureiro da Silva Ave, Cidade Baixa, Porto Alegres, 90050-240, RS, Brazil. 4,2 Km
P + 55 (51) 33032400

ibis PORTO ALEGRE MOINHOS DE VENTO

540 Marquês do Herval St, Moinhos de Vento, Porto Alegre, 90570-140, RS, Brazil. 5,5 Km
P + 55 (51) 21122772

IMPORTANT DATES!

+ SEP 4TH 2020 **ABSTRACT Submission**

+ OCT 2ND 2020 **ABSTRACT Acceptance Notification**

+ DEC 4TH 2021 **PAPPER Submission**

+ FEB 5TH 2021 **PAPPER Review Notification**

+ MAR 5TH 2021 **FINAL PAPPER Submission**

+ APR 15TH AND 16TH 2021 **CONFERENCE**



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for Research and Innovation
in Building and Construction

