

| <b>Martes - 7 abril</b> |                   |
|-------------------------|-------------------|
| 20:30 - 22:00           | Cóctel bienvenida |

| <b>Miércoles - 8 abril</b> |                                       |
|----------------------------|---------------------------------------|
| 08:00 - 09:00              | Registro                              |
| 09:00 - 09:30              | Ceremonia Inauguración                |
| 09:30 - 10:30              | Conferencia Magistral - Paulo Piloto  |
| 10:30 - 11:30              | Sesión 1                              |
| 11:30 - 12:00              | Pausa Café                            |
| 12:00 - 13:30              | Sesión 2                              |
| 13:30 - 15:00              | Comida                                |
| 15:00 - 16:00              | Conferencia Magistral - Enrico Ronchi |
| 16:00 - 17:00              | Sesión 3                              |

| <b>Jueves - 9 abril</b> |                                     |
|-------------------------|-------------------------------------|
| 09:00 - 09:30           | Registro                            |
| 09:30 - 10:30           | Conferencia Magistral - José Torero |
| 10:30 - 11:30           | Sesión 4                            |
| 11:30 - 12:00           | Pausa Café                          |
| 12:00 - 13:30           | Sesión 5                            |
| 13:30 - 15:00           | Comida                              |
| 15:00 - 16:00           | Conferencia Magistral - Elsa Pastor |
| 16:00 - 17:00           | Sesión 6                            |
|                         |                                     |
| 20:30 - 23:00           | Cena CILASCI8                       |

| <b>Viernes - 10 abril</b> |            |
|---------------------------|------------|
| 09:00 - 09:30             | Registro   |
| 09:30 - 11:15             | Sesión 7   |
| 11:15 - 11:45             | Pausa Café |
| 11:45 - 13:15             | Sesión 8   |
| 13:15 - 13:30             | Clausura   |
| 13:30 - 15:00             | Comida     |

| Miércoles - 8 abril |  |
|---------------------|--|
| 08:00 - 09:00       | Registro   |
| 09:00 - 09:30       | Ceremonia Inauguración   |
| 09:30 - 10:30       | Conferencia Magistral - Paulo Piloto<br>'Finite element model to determine the fire resistance of protected timber columns'  |
| 10:30 - 11:30       | Sesión 1 -   |
| 10:30-10:45         | 'Influence of particle size and sample size in the thermal susceptibility of solid biomass'<br><i>B. Castells Somoza (UPM, Spain), B.C. Hagen (HVL, Norway), N. Fernandez-Anez (HVL, Norway)</i>   |
| 10:45-11:00         | 'Caracterización del tamaño de partícula de materiales pulverulentos combustibles: un nuevo enfoque'<br><i>S. Ruiz (UR, Spain), A. Varela (UR, Spain), R. Lostado (UR, Spain), J. Arbizu (UR, Spain), M. Martínez-Calvo (UR, Spain), A. Tascón (UR, Spain)</i>   |
| 11:00-11:15         | 'Operational wildfire ensembles for electric grid assets: mapping burn probability and exposure'<br><i>J.L. Gómez (CSIC, Spain), A. Cantizano (ICAI, Spain), P. Ayala (ICAI, Spain)</i>  |
| 11:15-11:30         | 'Efecto de la compactación en la temperatura de ignición de capas de polvo de biomasa lignocelulósica'<br><i>A. Varela (UR, Spain), F.J. García (UNIZAR, Spain), A. Tascón (UR, Spain)</i>   |
| 11:30 - 12:00       | Pausa Café   |
| 12:00 - 13:30       | Sesión 2 -   |
| 12:00-12:15         | 'Wood joints in single shear under fire, comparison between protected and unprotected'<br><i>J. Aguiar (IPP, Portugal), E.M.M. Fonseca (IPP, Portugal)</i>   |
| 12:15-12:30         | 'Análise numérica do comportamento termomecânico de vigas de aço formado a frio com aberturas na alma'<br><i>A. Antônia (UFMG, Brasil), J.Paulo C. R. (UC, Portugal), Francisco C. R. (UFMG, Brasil)</i>   |
| 12:30-12:45         | 'Crack opening pattern of flat slabs exposed to fire: numerical analysis on displacement rate'<br><i>A. Romero Fanton (UNICAMP, Brasil), L.C. de Almeida (UNICAMP, Brasil), L. Mouta Trautwein (UNICAMP, Brasil)</i>   |
| 12:45-13:00         | 'Proposal of analytical formulae for the calculation of the fire resistance of double-tube and double-skin square sections'<br><i>R. Lopes (UC, Portugal), A. Correia (IPC, Portugal), J. Rodrigues (UC, Portugal)</i>   |
| 13:00-13:15         | 'Rehabilitation of structures after fire supported by artificial intelligence in decision-making'<br><i>L. Maris (UFMG, Brasil), J.P.C. Rodrigues (UC, Portugal)</i>   |
| 13:15-13:30         | 'Módulos de elasticidade estático e dinâmico residuais de argamassas mistas com areia descartada de fundição expostas a altas temperaturas'<br><i>C. Moura (UNICAMP, Brasil), D. Massola (UNICAMP, Brasil), G. Ferreira (UNICAMP, Brasil), M. Rodrigues (UNICAMP, Brasil), A. Moreno Jr. (UNICAMP, Brasil), M. Pires (UNICAMP, Brasil)</i> |
| 13:30 - 15:00       | Comida   |
| 15:00 - 16:00       | Conferencia Magistral - Enrico Ronchi<br>'Towards inclusive evacuation design through egressibility research'  |
| 16:00 - 17:00       | Sesión 3 -   |
| 16:00-16:15         | 'Proposal for a method of evaluating fire safety conditions in buildings of historical and cultural interest that house collections'<br><i>R. Ono (USP, Brasil)</i>  |
| 16:15-16:30         | 'On the fire risk of historical buildings in minas Gerais- Brazil'<br><i>L. Maris (UFMG, Brasil), J. Paulo C. R. (UC, Portugal)</i>  |
| 16:30-16:45         | 'Sequência incêndio-explosão ou vice-versa num acidente'<br><i>Jorge Saraiva (Dinâmica Aplicada, Portugal)</i>   |
| 16:45-17:00         | 'Fire forensics aided by computational tools'<br><i>R. Almeida Freitas (UC, Portugal), J.P.C. Rodrigues (UC, Portugal)</i>   |

| Jueves - 9 abril |   |
|------------------|---|
| 09:00 - 09:30    | Registro  |
| 09:30 - 10:30    | <p align="center"><b>Conferencia Magistral - José Torero</b><br/> <b>'Fire safety engineering in the aftermath of the grenfell tower inquiry'</b></p>   |
| 10:30 - 11:30    | <p align="center"><b>Sesión 4 -</b></p>   |
| 10:30-10:45      | <p align="center"><b>'A simple evacuation model for confined spaces'</b><br/> <i>A. Cuesta (UC, Spain), P. Saez (UC, Spain), J. González-Villa (UC, Spain), D. Alvear (UC, Spain)</i></p>   |
| 10:45-11:00      | <p align="center"><b>'Attitudes of companions during hospital fire evacuation'</b><br/> <i>F. Latosinski (UNPSJB, Argentina), A. Cuesta (UC, Spain), D. Alvear (UC, Spain), D. Fernández (UNPSJB, Argentina)</i></p>  |
| 11:00-11:15      | <p align="center"><b>'Uso de simulação computacional para análise de cenários de abandono em situação de incêndio no restaurante universitário do campus central da ufrgs'</b><br/> <i>A. Lechner (Brasil), Â. Gaio Graeff (UFRGS, Brasil), G. Dalfollo Brackmann (UFRGS, Brasil)</i></p> |
| 11:15-11:30      | <p align="center"><b>'Formación en seguridad contra incendios en España: panorama y necesidades'</b><br/> <i>P. Vacca (UPC, Spain), A. Àgueda (UPC, Spain), E. Pastor (UPC, Spain), D. Alvear (UC, Spain), E. Planas (UPC, Spain)</i></p>   |
| 11:30 - 12:00    | <p align="center"><b>Pausa Café</b></p>   |
| 12:00 - 13:30    | <p align="center"><b>Sesión 5 -</b></p>   |
| 12:00-12:15      | <p align="center"><b>'Multi-component thermal interaction analysis of internal cell components for li-ion battery safety'</b><br/> <i>J.M.H. Egea (UPV, Spain), J. Monsalve-Serrano (UPV, Spain), J.M. Gimeno (UPV, Spain), A. García Martínez (UPV, Spain)</i></p>                       |
| 12:15-12:30      | <p align="center"><b>'Fire safety implications of thermal runaway propagation and gas emissions in prismatic lithium-ion battery modules'</b><br/> <i>A. Gómez-Soriano (UPV, Spain), C. Carvallo (UPV, Spain), C. Micó (UPV, Spain), A. García (UPV, Spain)</i></p>                       |
| 12:30-12:45      | <p align="center"><b>'Analysing European fire incidents in Electric Vehicles'</b><br/> <i>M. Manes (U. Liverpool, UK), U. Rojas-Alva (ZAG, Slovenia)</i></p>  |
| 12:45-13:00      | <p align="center"><b>'Estimation of axial thermal conductivity in lithium-ion cells via power steps'</b><br/> <i>D. Penagos-Vasquez (UPV, Spain), J. Marco Gimeno (UPV, Spain), J. Monsalve-Serrano (UPV, Spain), A. García (UPV, Spain)</i></p>  |
| 13:00-13:15      | <p align="center"><b>'Characterization of hydrogen leaks and flammability study in zero-emission H<sub>2</sub>-powered aircraft'</b><br/> <i>L. Vega (CTA, Spain), A. Errarte (MGEP, Spain), I. Sáez de Ocáriz (CTA, Spain), M.M. Bou-Ali (MGEP, Spain)</i></p>                           |
| 13:15-13:30      | <p align="center"><b>'Application of machine learning to electric vehicle occupancy prediction and safety analysis'</b><br/> <i>Á. Ramos (UNAV, Spain), C. Martín-Gómez (UNAV, Spain), J. Blanco (Pamplona City Council, Spain), M.Z. Mohd Tohir (UPM, Malaysia)</i></p>                  |
| 13:30 - 15:00    | <p align="center"><b>Comida</b></p>   |
| 15:00 - 16:00    | <p align="center"><b>Conferencia Magistral - Elsa Pastor</b><br/> <b>'A multi-scale framework for assessing wildland-urban interface fire risk to support emergency planning: application to Barcelona communities'</b></p>   |
| 16:00 - 17:00    | <p align="center"><b>Sesión 6 -</b></p>   |
| 16:00-16:15      | <p align="center"><b>'From CFD to forecast: LSTM-based modeling of backlayering evolution in longitudinally ventilated tunnel fires'</b><br/> <i>P. Ayala (ICAI, Spain), L. Amo (ICAI, Spain), A. Cantizano (ICAI, Spain)</i></p>   |
| 16:15-16:30      | <p align="center"><b>'Análisis prestacional de un falso túnel urbano frente a la acción del incendio. Caso de estudio'</b><br/> <i>A. Torres (JVVA, Spain), R. Cerdeiriña (JVVA, Spain), A. López (JVVA, Spain)</i></p>   |
| 16:30-16:45      | <p align="center"><b>'Seguridad contra incendios en terminales aeroportuarias - la necesidad de una visión holística'</b><br/> <i>G. Vigne (JVVA, Spain), J. Jönsson (JVVA, Spain), M. Juárez Solano (Sacyr, Spain)</i></p>   |
| 16:45-17:00      | <p align="center"><b>'Performance based design of water based fire protection systems in mining conveyor belts using CFD'</b><br/> <i>P. Valdés (MAPA Fire, Chile), M. Perez (MAPA Fire, Chile)</i></p>   |

| Viernes - 10 abril |  |
|--------------------|--|
| 09:00 - 09:30      | Registro   |
| 09:30 - 11:15      | Sesión 7 -   |
| 09:30-09:45        | <b>'Forensic evaluation of wildland fire spot ignition by steel sparks from hot work: a case study'</b><br><i>J.L. Urban (WPI, USA), Jose Rivera (UCB, USA), Carlos Fernandez-Pello (UCB &amp; Reax Engineering, USA)</i>  |
| 09:45-10:00        | <b>'Proposition of a simple relation to describe transient kinetics of solvent pool fire'</b><br><i>G. Auguin (Efectis, France), M. Fleurotte (Efectis, France)</i>  |
| 10:00-10:15        | <b>'Evaluation and thermal characterization of boundary conditions in the ISO 50399 cable fire test apparatus for digital twin development'</b><br><i>A. Alonso (UC, Spain), M. Lázaro (UC, Spain), E. Pérez (Prysmian Cables Spain), E. Opazo (Prysmian Cables Spain), N. Generó (Prysmian Cables Spain), D. Alvear (UC, Spain)</i>   |
| 10:15-10:30        | <b>'Fire safety of green facades: analysis of plant species and sustainable solutions for Brazilian context'</b><br><i>L. Alves (UFMG, Brazil), J.P.C. Rodrigues (UC, Portugal)</i>  |
| 10:30-10:45        | <b>'Argamassas mistas com substituição da cal hidratada por escória de forno panela submetidas a temperaturas elevadas: propriedades mecânicas residuais'</b><br><i>T. Silva (UNICAMP, Brasil), E. Souza (UNICAMP, Brasil), E. Mariano (UNICAMP, Brasil), G. Ferreira (UNICAMP, Brasil), A. Moreno Jr. (UNICAMP, Brasil), M. Castro (UNICAMP, Brasil), M. Soares (UNICAMP, Brasil)</i> |
| 10:45-11:00        | <b>'Scaling-up ventilation conditions influence on pool fire combustion'</b><br><i>M. González-Alvear (CIF Cantabria, Spain), D. Lázaro (UC, Spain), M. Lázaro (UC, Spain), E. Morgado (CSN, Spain), M.Á. Jiménez (CSN, Spain), D. Alvear (UC, Spain)</i>  |
| 11:00-11:15        | <b>'Estudo comparativo entre os tipos de dispositivos hidráulicos para combate a incêndio utilizados nos sistemas de hidrantes em edifícios residenciais multifamiliares'</b><br><i>V. Goulart Oliveira (IFSC, Brasil), A.P. Pupo Correia (IFSC, Brasil), B. Brasil Bielschowsky (IFSC, Brasil), D. de Paula (IteCons, Portugal), J. Guarda de Albuquerque (IFSC, Brasil)</i>          |
| 11:15 - 11:45      | Pausa Café   |
| 11:45 - 13:15      | Sesión 8 -   |
| 11:45-12:00        | <b>'Análise de indeferimentos dos projetos de prevenção e segurança contra incêndios de edificações de ocupação residencial multifamiliar vertical localizadas no município de Santo Amaro Da Imperatriz/Sc'</b><br><i>Y. Coelho (IFSC, Brasil), A.P. Pupo Correia (IFSC, Brasil)</i>  |
| 12:00-12:15        | <b>'Engenharia de segurança contra incêndio, legislação e acessibilidade: uma análise por meio do design universal'</b><br><i>J. Pinheiro Pires (UFRGS, Brasil), Â. Gaio Graeff (UFRGS, Brasil), R. Jongh Pötter (UFRGS, Brasil)</i>   |
| 12:15-12:30        | <b>'Legislação de segurança contra incêndio em Santa Catarina, no Brasil, e em Portugal para edificações residenciais multifamiliares'</b><br><i>B.S. Vachin (UTFPR, Brasil), R.E. Catai (UTFPR, Brasil), G.A.F. Rouxinol (IPV, Portugal)</i>  |
| 12:30-12:45        | <b>'Análise do conhecimento de engenheiros e arquitetos sobre a reação ao fogo dos materiais de construção'</b><br><i>Â. Gaio Graeff (UFRGS, Brasil), F. Risbacik (UFRGS, Brasil), K.L. Brandão (UFRGS, Brasil), M. Muller Anschau (UFRGS, Brasil), S. Onofre Cavalcante (UFRGS, Brasil)</i>   |
| 12:45-13:00        | <b>'Mapeamento de metodologias de análise de risco para incêndios em contexto urbano – protocolo de revisão de escopo'</b><br><i>A.J. de Veras da Silva (COPPE/UFRJ, Brasil), E. Esteves Lasmar (UFMG, Brasil), P.G. Von Kruger (UFMG, Brasil), O.C. Rotunno Filho (COPPE/UFRJ, Brasil), C. Calmeiro dos Santos (IPCB, Portugal)</i>   |
| 13:00-13:15        | <b>'Holistic approach towards fire safety of facades: proposed regulatory framework for fire safe buildings'</b><br><i>F. Okwara (Modern Building Alliance, Belgium), E. Gallo (EUMEPS, Belgium)</i>   |
| 13:15 - 13:30      | Clausura   |
| 13:30 - 15:00      | Comida   |