Workshop on Numerical Simulation of Building Fires

December 2, 2010
Universidade de Santiago de Compostela, Spain Home Organizers

Program
Registration Location Acommodation Contact

Presentation

The interest in reducing the risk of collapse during building fires enhanced the appearance of studies and numerical techniques to determine the structural behavior during fires as well as materials used in construction. This concern was reflected in the implementation by successive administrations of Eurocodes establishing the regulations for the structural design and verification of buildings and civil engineering works.
The aim of this Workshop is sharing the experience of relevant research groups, representatives of Architects and Engineers and staff of public agencies.

Intended for

Researchers of the national and international mathematical community, technical personnel of companies, architects and engineers.

Objectives

The aim of this Workshop is sharing the experience of relevant research groups, representatives of Architects and Engineers and staff of public agencies, in particular, to discuss issues related to:

- Coupled mathematical models for the numerical simulation of the behaviour of a structure under fire.

- Limit models for basic
structures and multi-structures in buildings.

- Behaviour
laws for materials at high temperatures.

- Numerical
simulation of thermomechanical deformation of structures during fire.

- Software
of numerical simulation of building fire.

- Fire
safety: Eurocodes.