

Dear Colleagues,

The purpose of this Special Issue is to share advanced knowledge, technologies, and methods to identify and study the fire and energy performance of buildings. Additionally, this Special Issue seeks to identify other areas in which additional research can be conducted to achieve the desired thermal efficiency of buildings while ensuring fire safety. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Fire resistance and performance of building elements;
- Structural fire resistance testing and modelling;
- Structural damage and collapse from exposure to fire;
- Building energy performance and modelling;
- Principles of structural fire-resistance design;
- Thermal and fire insulation materials;
- Building performance at elevated temperatures;
- Heat transfer modelling and strength decay analysis.