Special Issue

Building Fire Dynamics and Fire Evacuation, 2nd Edition

Message from the Guest Editors

The occurrence of building fires has been frequent in recent years, and more (super) high-rise buildings in metropolitan areas may result in crowd disasters and huge property loss, with the challenge of guaranteeing the evacuation safety of occupants in such structures still ongoing due to the difficulty in predicting a fire's development. Thus, we are pleased to invite researchers from all over the world to investigate the dynamic behaviors of smoke and flames, as well as crowd evacuation in building fires. In this Special Issue, we welcome original research articles and reviews concerning areas including (but not limited to) the following:

- Evacuation experiments and modeling;
- Human behaviors in fire;
- Crowd management methodologies;
- Fire smoke movement and control;
- Flame behaviors in combustion and flame spread;
- Properties of combustion products—heat, smoke, flame, etc.;
- Fire detection and suppression, risk analysis, and management;
- Fire testing of materials;
- Fire modeling.

Guest Editors

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Fire

MDPI

About the Journal

Message from the Editor-in-Chief

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