



Fire-Induced Smoke Movement and Control

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Message from the Guest Editors

Dear Colleagues,

Fire-induced smoke influences the safe evacuation of occupants and firefighters' ability to extinguish a fire. About 80% of deaths in fires were caused by the toxic smoke, according to statistics. Hence, how to control smoke is of great importance, in order to reduce fire hazards.

In this Special Issue, we seek articles associated with fire-induced smoke movement and control in both unconfined and confined environments, including high-rise buildings, tunnels, subways, mines, atriums, street canyons, etc. Our scope is to gather original, fundamental and applied research concerning experimental, theoretical, computational and case studies that contribute towards the understanding of fire-induced smoke. Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Fire-induced smoke production;
- Smoke movement;
- Smoke control by ventilation or water mist;
- Smoke stratification in confined spaces;
- Smoke extraction by mechanical ventilation or natural ventilation;
- Modeling and simulation of smoke.

We look forward to receiving your contributions.

