Special Issue

Fire-Induced Smoke Movement and Control

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Chuangang Fan

Department of Fire Protection Engineering, Central South University, Changsha 410075, China

Dr. Dahai Qi

Department of Civil and Building Engineering, University of Sherbrooke, Sherbrooke, QC, Canada

Deadline for manuscript submissions

closed (15 January 2023)

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Fire
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fire@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire*'s Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

Dr. Grant Williamson
School of Biological Sciences, University of Tasmania, Private Bag 55, Hobart, TAS 7001, Australia

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