

Special Issue

Advances in Industrial Fire and Urban Fire Research: 2nd Edition

Message from the Guest Editors

With the rapid pace of urbanization, the development of cities and industrial parks has accelerated, bringing both greater convenience and an increased risk of fire incidents. Fires in industrial estates often involve the combustion of flammable materials, including hazardous substances, fuels, and chemicals. In addition, the presence of sophisticated machinery and advanced production systems in these parks may increase the risk and severity of industrial fires. Urban fires also occur predominantly in densely populated areas characterized by high-rise buildings, congested regions, and interconnected structures. These characteristics pose significant challenges in terms of fire prevention, evacuation, and firefighting.

This SI aims to highlight original findings related to industrial & urban fires using experimental & simulation methods. It includes, but is not limited to:

- Fire behavior & dynamics;
- Fire suppression & control techniques;
- Fire risk assessment & management;
- Personnel evacuation & human behaviors;
- Prevention & control strategies for industrial & urban fires;
- Combining urban & industrial fires with AI technology.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2025)



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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

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