

Special Issue

Heat Release Analysis of Fires

Message from the Guest Editors

The knowledge of heat release from fires is the basis for predicting their posed hazards. Although various efforts have been made by pioneering studies, there are still challenges to predicting heat release in complex fire scenarios, achieving a real-time prediction of heat release, etc. In recent years, the development of new detection technology and computing technology has provided a powerful tool for solving the above problems. This Special Issue wishes to provide insights into the frontiers of the latest advances in the heat release prediction of fire. Both original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- machine learning-based methods for heat release prediction;
- fire behavior prediction of windland fire, tunnel fire, etc.;
- the burning rate and mechanisms of complex fire scenarios;
- case studies of real fire scenarios with heat release analysis;
- fire modeling and computer codes.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (20 July 2023)



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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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