

Special Issue

Building Fire Dynamics and Fire Evacuation

Message from the Guest Editors

The occurrence of building fires has been frequent recently, and high-rise buildings in metropolitan areas may result in crowd disasters and 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 the evacuation in building fires.

This Special Issue aims to link internal psychology features to the external human behaviors in building fires, find the spatial-temporal evolution of crowd disasters, and provide suggestions and methodologies for crowd management in building fires. This Special Issue also focuses on promoting scientific and technological communications directed at fire dynamics and evacuation in building fires, and aims to cover all aspects and the related management, application, fire smoke dynamics, flame behavior, evacuation experiments and modelling, human behaviors in fire, fire risk analysis, fire and crowd management, as well as the chemistry and industrial applications of fire-retardant chemicals.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 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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