Special Issue

Heat Transfer in Fire

Message from the Guest Editors

Heat transfer and temperature analysis are core issues in fire safety engineering. It is temperature that governs the process of deterioration of materials. Therefore, sound knowledge heat transfer and temperature analysis are crucial for the understanding of fire dynamics and fire phenomena such as ignition and fire spread, as well as analysis of the loadbearing capacity of structures exposed to fire. This Special Issue aims at elucidating heat transfer in a wide range of fire scenarios involving various kinds of materials. Articles related to building fires as well as wildfires are welcome. Reports on testing experiences, as well as developments of calculation methods, are of interest. Measuring techniques suitable for harsh fire exposure and the use of data thereof for estimation of exposed body temperature are appreciated. Research areas may include (but are not limited to) the following:

- Ignition properties of materials;
- Measurements of thermal exposure from bushfires;
- Influence of water content on ignition of wood;
- Boundary conditions of fire exposed structures.

I look forward to receiving your contributions.

Guest Editors

Prof. Dr. Ulf Wickstrøm

Department of Civil, Environmental and Natural Resources Engineering, Luleå tekniska Universitet, Lulea, Sweden

Prof. Dr. Tomaž Hozjan

Faculty of Civil and Gedoetic Engineering, University of Ljubljana,1000 Ljubljana, Slovenia

Deadline for manuscript submissions

closed (30 November 2023)

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

mdpi.com/si/143130

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

mdpi.com/journal/fire

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

mdpi.com/journal/fire

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), AGRIS, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

MDPI