Special Issue

Performance-Based Design in Structural Fire Engineering, Volume II

Message from the Guest Editor

Performance-based design of structures in fire is gaining growing interest as a rational alternative to the traditionally adopted prescriptive code approach. This interest has led to its introduction in different codes and standards around the globe. Although engineers widely use performance-based methods to design structural components in earthquake engineering, adoption of such methods in fire engineering is still very limited. This Special Issue will address this shortcoming by providing engineers with the needed knowledge and recent research activities addressing performance-based design in structural fire engineering, including fire development, fire dynamics, heat transfer calculations, capacity of structural and non-structural elements, and fire-induced deformations. Although all submissions are welcome, studies that focus on structures within or near the wildland urban interface, structures of cultural importance, and outside structural fires (e.g. cladding fires) are of particular interest to the readership of Fire. I invite you to submit a paper to this Special Issue.

Guest Editor

Prof. Dr. Maged A. Youssef

Department of Civil and Environmental Engineering, The University of Western Ontario, London, ON N6A 3K7, Canada

Deadline for manuscript submissions

closed (29 February 2024)

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

mdpi.com/si/126778

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