Special Issue

Fire Performance Materials and Structure

Message from the Guest Editor

Fire poses a severe threat to the safety and durability of material and structures. Further, a severe explosive fire can damage materials and structures, causing failure in local components or even the collapse of overall structures, along with related buildings. This can therefore result in casualties, serious economic and property losses, and in some cases even the loss of life. To ensure the safety of structures over their full lifecycle, reliable and preferable design strategies, construction measures, comprehensive protection techniques and early pre-warning and monitoring methods of fire loadings will be required. Therefore, new fire peformance materials and structures must be developed, together with intelligent safety methods and innovative protective techniques, to prevent these sudden occurrence of fire loadings. This Special Issue invites the submission of research into extreme fire loading effects, fire performance material, new members, intelligent pre-warning methods and protective measures used in structures.

Deadline for manuscript submissions

closed (31 July 2024)

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

mdpi.com/si/159388

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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

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