Special Issue

Glass at Elevated Temperatures and in Fire

Message from the Guest Editors

In recent years, glass has been a largely used material for load-bearing or nonstructural components in buildings and other constructions. This includes building components such as facades, floors, roofs, walls, and columns that can be subjected to a multitude of permanent/accidental mechanical and thermal loads and their combinations. In spite of a large number of practical applications and research projects on structural glass, relatively little is understood about its mechanical performance under fire scenarios as a constructional material. As far as accidental design actions may derive from natural hazards, such a condition represents a huge limitation for design developments. Furthermore, wildfires represent a high risk in the same way as tornados, hurricanes, and earthquakes. For this reason, dedicated research, calculation methods, and approaches are required to understand the major loading and boundary conditions that are of technical interest for safe design purposes. The goal of this Special Issue is to compile a set of scientific articles describing the phenomena related to the behaviour of glass at elevated temperature and in fire.

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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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