

Special Issue

Fire and Explosion Prevention in Maritime and Aviation Transportation

Message from the Guest Editors

Maritime and aviation transportation systems are critical infrastructures that underpin global economic and social activities. However, fire and explosion risks in maritime and aviation transportation—driven by complex operational environments, high-energy fuels, and novel cargo types (e.g., lithium-ion batteries)—pose severe threats to safety and environmental sustainability. Recent incidents, such as cargo ship fires and aviation fuel-related explosions, coupled with advancements in combustible materials and electrification trends, necessitate targeted research into fire dynamics, prevention technologies, and risk assessment frameworks for maritime and aviation transportation. Titled “Fire and Explosion Prevention in Maritime and Aviation Transportation”, this Issue aligns with *Fire*’s mission to advance fire science and safety engineering. It emphasizes novel marine designs, hazardous cargo protocols, aviation fuel risks, and advanced suppression technologies.

Guest Editors

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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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