

Special Issue

Combustion Diagnostics

Message from the Guest Editor

Optical diagnostics has been identified as a useful tool for understanding the fundamental physics of turbulent combustion. Up until now, various diagnostic methods across the full range of the light spectrum have been extensively studied and demonstrated. Ultraviolet-C (UVC) spectral band refers to the spectrum of light between 200 and 280nm. Solar radiation in this spectral interval does not reach the Earth's surface due to ozone absorption. Therefore, this spectral domain is also called "solar blind". Such solar-blindness provides a unique measurement opportunity, with low background noise and high SNR. This Special Issue is dedicated to the most recent advances in diagnostics utilizing the UVC band and its applications in combustion and propulsion systems.

Guest Editor

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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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