



fire



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Fire Spread Modelling in Wildland Urban Interface: Approaches and Challenges

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Wildfires in wildland–urban interface communities have rapidly grown in occurrence and strength over the past few decades due to the growing pace of urbanization and landscape transformation.

Although the mechanisms of fire spread in WUIs have been identified, developing models that can predict fire spread in WUIs is expected to be more challenging, mainly due to the heterogeneity characteristic of fuel.

This Special Issue aims to cover the current state of WUI modeling and existing knowledge on exposure conditions caused by nearby wildland fuels, adjacent structures or other system-wide components.

Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Wildland urban interface (WUI);
- CFD simulation, modeling;
- Fuel flammability;
- WUI vegetation;
- Numerical combustion;
- Fire behavior;
- Wildfire risk assessment and management.

We look forward to receiving your contributions.



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Special Issue