fire

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Cable and Electrical Fires

Guest Editors:

Prof. Dr. Ying Zhang

Dr. Xiaoyu Ju

Dr. Xianjia Huang

Dr. Fuchao Tian

Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Cables, as the “arteries” and “nerves” of the national economy, are widely used in energy/information transmission. With the increasing demand for cables and the inevitable aging, electrical fires have been the main cause of fire accidents, and even leads to secondary disasters, such as gas/dust explosion in mine, etc. Lots of studies on the cable fire characteristics have been carried out for cable fire risk assessment, but there remain many unsolved problems, including the prediction of occurrence, development and extinguish of cable fire, and cable fire detection and prevention, etc.

This Special Issue aims to attract the latest progress on cable fire, and original research articles or reviews are welcome. Research areas may include the following, but not limited to:

- Mechanisms of the ignition, propagation and extinguish of cable fire;
- Models for flame spread over cable;
- Cable fire risk assessment;
- New techniques or strategies for cable fire detection/prevention;
- Scale correlation of cable fire;
- Numerical simulation of cable fire.

We look forward to receiving your contributions.

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Special Issue