Fire Detection and Public Safety

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Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editors

To reduce the risk of fire, the implementation of innovative and effective fire early warning technologies is essential. Despite the fact that research publications on fire detection technology have addressed the issue to some extent, fire detection technology still confronts hurdles in decreasing false alerts, improving sensitivity and dynamic responsibility, and providing protection for costly and complicated installations. On the other hand, the worldwide development of intelligent buildings and systems also puts forward new requirements for the integration and intelligence of fire detection.

Therefore, we are pleased to invite researchers from all over the world to explore novel and reliable fire-detection technologies, including emerging sensor technology, fire signal processing and monitoring technology, fire risk analysis and insurance, and integrated very early fire detection systems for building fires. This Special Issue wishes to provide insights into the frontiers of the latest progress in fire detection and monitoring strategies.

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Special Issue