Special Issue

Process Safety and Control Strategies for Urban Clean Energy Systems

Message from the Guest Editors

Topics of this Special Issue include, but are not limited to, the following:

- Research on fires, explosions, or toxic release scenarios involving urban renewables or storage (e.g., battery thermal runaway or hydrogen leaks).
- Risk assessment frameworks and models for integrating diverse clean energy sources within complex city grids and existing infrastructure.
- The development and application of computational tools for safety monitoring, early warning systems, and emergency response planning for urban energy networks.
- Life cycle safety analysis (LCSA) or environmental risk assessment (ERA) specific to clean energy technologies in urban settings.
- The safety implications and modeling of cyber–physical security for smart city energy systems.
- Reliability modeling and failure prediction for clean energy components deployed in diverse urban environments.
- Safety optimization in the design, planning, and operation of city-scale clean energy systems.
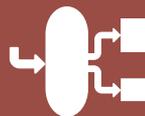
Thanks for your contributions, and I hope you consider participating in this timely Special Issue.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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Editor-in-Chief

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