



safety

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Safety, Resilience and Reliability Challenges and Engineering Research in Renewable Energies

Guest Editors:

Dr. Mohammad Yazdi

Dr. Esmail Zarei

Dr. Sidum Adumene

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Message from the Guest Editors

Dear Colleagues,

There has been extensive demand and attraction for renewable energies due to their considerable advantages over fossil-based fuels. These include solar, wind, hydro, biomass, and hydrogen energy. However, renewable energy production, transmission, and application are associated with serious safety, resilience, and reliability issues, which need to be examined in life cycle of renewable energies infrastructures to establish resilient and sustainable operations. Considering the unique properties of renewable energies, which are different compared to non-renewable ones, their safety, resilience, and reliability concerns have attracted considerable interest in recent years. Accordingly, this Special Issue focuses on system safety and human factors, risk and reliability analysis, asset integrity management, and accident modeling at different stages of lifecycle renewable energies from production to application. [...]

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Special Issue