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Latest Trends and Aspect in Renewable Integrations for Power Systems

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Message from the Guest Editor

The integration of renewable energy sources with existing electricity transmission and distribution infrastructure has rapidly increased over the past decade. Harvesting systems for renewable energy, depending on power electronic switching mechanisms, have rapidly matured after proved themselves to constitute a reliable and efficient conversion medium between the intermittent sources and the distribution network.

However, the integration process of renewably generated sources is advancing slowly due to several challenges. The aim of this Special Edition is to review the trend, challenges for and opportunities of using renewable integration with existing power system infrastructure. We must address the importance of a storage medium to the integration process. The energy streaming processes, whether for mature or vulnerable networks, still needs to be fostered and become accurate. In this edition, the aim is to review the past, present and future trends of integration and shed light on the challenges and review how academia and industry are facing these challenges.



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Special Issue



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Message from the Editor-in-Chief

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