

Special Issue

Energy Technologies, Challenges and Solutions for a Sustainable (Energy) World

Message from the Guest Editors

Electric power systems can be severely damaged by natural catastrophes such as typhoons, floods, earthquakes, and tornadoes. Electric power systems are also susceptible to cyber-attacks as the operation of these systems is increasingly depending on Internet communications. Consequently, electric power systems must be resilient to offer continuous and consistent electric power supply to end customers and to ensure smart grid systems' long-term economic viability. Sustainable smart energy systems through emerging electronics and automation technologies can achieve resilience through the innovation and deployment of smart sensors, as well as enhanced information and communication infrastructure. These new novel breakthroughs have prompted substantial research efforts to address the growing demand for resilient sustainable smart grid systems. This Special Issue aspires to be an open platform for sharing knowledge regarding advances and difficulties in resilient sustainable smart energy grid systems against natural and cyber disasters in this environment.

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