Special Issue

Advanced Technologies in Power Quality and Power Disturbance Data Application—Volume II

Message from the Guest Editors

The electrical power system can be regarded as a comprehensive symmetrical system of power supply and power consumption, with load microelectronics technology being the core of many new technologies, emerging industries, The most common PQ events are associated with sags (dips), harmonics/interharmonics, transients, and asymmetrical variations. PQ is related to the safe and stable operation of power systems and users' high-quality electricity consumption. Therefore, the monitoring, prevention, and mitigation of PQ disturbances are of great concern for both parties. To achieve these goals, the study of many PQ issues and their methods of analysis remains a challenging task. Moreover, with the widespread use of power quality monitoring tools, more and more users and developers are starting to realize that power disturbances can carry valuable information about the conditions of a system and its equipment. As a result, initiatives that explore the “useful” aspects of power disturbances using power big data have emerged...

Guest Editors

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Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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