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Power Quality: Monitoring, Mitigation, and New Types of Disturbances

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Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editor

The term “power quality” is like with earlier revivals, new issues have come to the forefront. The two most important developments that have an impact on power quality are:

- The transition to a sustainable energy system, where one should not just think of wind power and electric vehicles, but also of more energy-efficient equipment. New types of equipment connected to the electricity grid affect the classical disturbances like harmonics and voltage variations. Such equipment also has shown to introduce new types of disturbances, which remain poorly understood, and some of which may not even have been discovered.
- The possibility of obtaining huge amounts of power-quality data, which calls for methods to extract, automatically and effectively, information from this data. Data-processing power and tools are available, but finding the right tool for the right application remains a big challenge.

We are calling for original contributions that cover the power-quality consequences for one or both of these developments. This includes problem descriptions, new algorithms, measurements and simulations, practical case studies, and mitigation methods.

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Message from the Editor-in-Chief

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