

Special Issue

Electrical Power Systems Quality

Message from the Guest Editors

Over the last decade, power quality (PQ) has garnered significant attention for a number of fundamental reasons. First and foremost, assured power quality is a product that provides benefits for both customers and the grid operators. In this dynamic environment, it is critical to monitor, maintain, and enhance power quality levels to ensure compatibility between producers, consumers, and the entire energy power system. In order to improve the power quality in microgrids and smart grids, active power filters, inverters, and other power-electronics-based equipment is needed for the development of superior controllers. New challenges arise due to the emissions from these new devices, which either produce or consume energy and are connected to the transmission or distribution network, particularly those that have an active power electronics interface; new smart distribution applications, like demand-side management, feeder reconfiguration, and Volt/VAR control; and the increased sensitivity of modern installations used by producers or end users. We invite cutting-edge research and both theoretical and experimental studies exploring recent advances in this field.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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