# Special Issue

# Recent Advances in Power Quality Improvement

### Message from the Guest Editors

With the increasing penetration of power-electronics-based technologies (e.g., wind and photovoltaic generators, electric vehicle chargers, energy storage systems) in distribution systems, new power quality issues are emerging. It is essential to develop techniques that take advantage of these available data and provide actionable information for utilities to anticipate and mitigate such power quality issues. This Special Issue aims to gather articles which cover a vast range of applications for different types of measurement data (rms, phasor, and waveform measurements) available in modern power systems, which shall include (but are not limited to) measurement-based methods to anticipate, detect and mitigate new power quality issues that are emerging in circuits with a high penetration of inverter-based resources (IBRs). New methods and approaches to detect and mitigate traditional power quality issues such as voltage sags/swells, flicker and voltage unbalance are also welcome. **Keywords**

- power quality
- data analytics
- inverter-based resources

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### Deadline for manuscript submissions

closed (15 June 2023)

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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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