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Special Issue "Power Quality Improvement in Energy Systems"

We propose a special issue of *Energies* related, but not limited to, the topics written in italics.

The inclusion of distributed power systems into a network requires *smart power management*. Future distribution networks will require completely *new smart grid concepts*. In this regard, *flexible microgrids* that are capable of operating intelligently in both *grid-connected and island modes* are required. Future energy distribution systems need to be adapted to the concept of *smart grids*. Power systems must deliver high quality power without interruption. Various standards, such as: IEC 61727, IEC/ISO62264, IEEE Std. 1547, regulate the performance of microgrids in island operation mode, establishing the operating limits of voltage and frequency. Due to the intermittent energy sources in the microgrids, the variation of electrical parameters and *power quality* occupies an important place.

- **Guest Editor:** Prof. Dr. Florin Constantinescu, Prof. Dr. Marian Gaiceanu
- **Website:** https://www.mdpi.com/journal/energies/special_issues/power_quality_improvement_energy_systems
- **Deadline** for manuscript submissions: **16 February 2022**
- **LinkedIn:** energies@mdpi.com