



## CALL FOR PAPERS

### Journal of Modern Power Systems and Clean Energy

#### Special Issue on Power Quality

Power quality has been widely recognized as one of important factors that influence smart grid and energy-saving and emission reduction. On one hand, with the rapid growth of science and technology and national economy, impact and non-linear loads from electric power system, metallurgy, chemical industry, electrified railway and household appliances increase, which worsen the traditional problems such as harmonic, voltage fluctuation and flicker, three-phase imbalance. Meanwhile, new energy for output power random fluctuation makes grid frequency deviation, voltage fluctuation and flicker worse. On the other hand, increasing percentages of sensitive loads, based on computer system and electronic devices, which have demanding requirements of steady states, increasingly intensify the relationship between more and more serious harmonic pollution and higher requirements of power quality.

Power qualities has been closely related to reliable and secure electric power system, therefore, it's important to improve power quality so that to guarantee security and economic operation of power grid and electrical equipment. Power quality will be the prime planning topic of this feature and we have invited Luo An, a professor of Hunan University and Josep M. Guerrero, a professor of Aalborg University in Denmark as the guest editor-in-chiefs as well as other experts from China and abroad who are supposed to express their opinions, aiming at bringing attentions to the issue and arousing public's interests and concerns.

The topics include, but are not limited to:

- Planning, dynamic state, standard and development trend of power quality
- Power quality problems in power grid and solutions
- Power quality problems in distributed power generation and micro-grid and solutions
- Power quality problems in distribution network and demand side and solutions
- Power quality problems in traction system and solutions
- Power quality problems in electrical vehicles and solutions
- Analysis of power quality economy, analysis of effect on energy-saving and emission reduction, application and project cases
- Monitoring, analysis, integrated evaluation technology and method of power quality
- Analysis and control, optimization and coordination, comprehensive management techniques and methods of typical power quality problems (such as harmonic wave, reactive, imbalance and sag)
- Principle of new equipment for power quality control, control method, design & manufacturing technologies and application method
- Progress, method and application of power quality standard, management

**Submission Guideline:**

<http://www.mpce.info> or <http://www.springer.com/40565>

(The paper template can be downloaded from <http://www.mpce.info> )

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