



## Development of Voltage and Current Transformers in Power System

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submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

Distortion of current and voltage in power systems has aroused the requirement for the wideband transformation of voltage and current transformers. It is necessary to establish new standardization requirements regarding design paradigms, the construction and selection of materials, and testing procedures.

The purpose of this Special Issue is to present new findings on any aspect of the development of voltage and current transformers. Topics of interest for publication may include but not be limited to:

- Novel designs of conventional and non-conventional instrument current and voltage transformers;
- Applications of instrument transformers in measurement and protection of the power system;
- New materials used in instrument transformers;
- Transformation and conversion of non-sinusoidal current and voltage of high and medium voltage networks;
- Measuring systems and testing procedures for the evaluation of instrument transformer accuracy for sinusoidal and distorted current and voltage;
- Study of thermal behavior of instrument transformers in various applications;
- EMC requirements;
- Power quality in high and medium voltage networks.





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