



Applications of Grid Forming Inverters for Power System Stability

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Message from the Guest Editor

Dear Colleagues,

With the increasing adoption of utility-scale power electronic-based technologies (such as wind and photovoltaic generators and energy storage systems), the power system characteristics can change drastically. Accordingly, system behavior, measured using short-circuit ratios, rate of frequency change, frequency nadir, and unintended oscillations, and its associated changes and impact on system operators will evolve.

This Special Issue aims to collate articles covering a range of phenomena, operational impacts and counter measures to ensure system stability of inverter-based resources (IBR), emphasizing on the modeling techniques, analysis methods, phenomena characterization, and solutions.

Dr. Alexandre Nassif
Guest Editor





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Message from the Editor-in-Chief

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