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Coherent Security Planning for Power Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editor

Dear Colleagues,

The Guest Editor is inviting submissions to a Special Issue of *Energies* titled “Coherent Security Planning for Power Systems”.

Power system security planning refers to the ability to constantly fulfil its function against possible undesirable conditions or situations. The power system is becoming increasingly diverse and complex on a daily basis. The power system's objective is to maintain a standard operating condition. All constraints, such as voltages at nodes, active and reactive power generation, and active and reactive power flows, are satisfied in the normal operating state, and all parameters are within acceptable ranges, at which point the system is said to be secure. Power system security planning is a very vast area that mainly considers the following five properties: (1) Operational security (2) Power system flexibility (3) Power system adequacy (4) Grid resilience, and (5) Robustness. Each of the points is crucial for a power system, so you are welcome to provide novel contributions.

Dr. Harun Or Rashid Howlader
Guest Editor

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Message from the Editor-in-Chief

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