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Future Smart Grids with High Integrations of New Technologies

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Message from the Guest Editors

Dear Colleagues,

In the future, smart grids, new technologies such as wireless power transfer, novel electric machines, smart meters, advanced power converters, new energy storage systems and artificial intelligence, etc., will play important roles in the energy transition from conventional fossil fuels to renewables. As the number of new technologies has significantly increased, it is clear that existing technical solutions and industry practices will no longer be suitable. Several critical issues in stability, security, safety, scalability, controllability, power quality and efficiency need to be addressed to bridge the gap among different areas. By considering the growing interest in applying those new technologies in modern power systems around the world, this research topic invites a broad spectrum of contributors to develop interdisciplinary technical approaches.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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