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# Optimal Design for Renewable Power Systems

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## Message from the Guest Editors

At present, renewable energy sources (R.E.S., i.e., wind turbines, photovoltaic plants, small hydroelectric plants, geothermal plants, etc.) are applied to power systems mitigating the operation of classical thermal power plants improving the environment and limiting greenhouse gases. However, the R.E.S. growth provokes serious issues on power systems, such as the increase of the fault current level, operation problems on protection systems, power quality issues, power system stability issues, etc. Therefore, research and development activities on the optimal design of power systems with significant penetration of R.E.S. have become exceptionally energetic during the last decade.

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