

## Special Issue

# Frontiers in Renewable Energy: Control and Supervision Systems for Renewable Power Plants

### Message from the Guest Editor

The energy transition is a global need for a more sustainable planet. Part of this transition is based on introducing renewable generation, which reduces contamination and environmental impacts. However, boosting renewable generation introduces enormous challenges in the fields of supervision and control due to having distributed power plants. This Special Issue aims to publish outstanding research on solutions to improve the supervision and control of renewable distributed power plants, particularly regarding, but not limited to, virtual power plants, machine-learning and deep-learning strategies for the diagnosis and prognosis of renewable power plants, robust control, microgrid control, novel SCADA developments and actual industrial solutions. The editors encourage not only providing innovative solutions to tackle the technological challenges but also providing discussion on the positive impacts, either environmental or socioeconomic, compared with the existing solutions. Therefore, impact analyses of the proposed solutions and novel schemes such as local energy markets and new energy market structures based on renewables are welcome.

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### Guest Editor

Dr. Jordi Cusido

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### Deadline for manuscript submissions

closed (31 March 2022)



Sustainability

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### Editor-in-Chief

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