

Special Issue

Advanced Fault Detection, Diagnosis and Prognosis in a Context of Renewable Power Generation

Message from the Guest Editors

Deregulation of the electricity market, as well as the emergence of renewable energy systems in recent years, has introduced new operating rules, several daily starts and stops, spin-no-load availability, and electrical machines pushed to their limits. To take advantage of this new reality, the short-term benefits must not be outweighed by a reduction in reliability or expected equipment life. The availability and reliability of power generation equipment are both key features that are driving utilities to implement advanced fault detection, and diagnostic and prognostic methods to move from a systematic maintenance policy to a condition-based maintenance (CBM). In this Special Issue devoted to Advanced Fault Detection, Diagnosis and Prognosis in a context of renewable power generation, we invite practical as well as academic research and review paper to contribute and share their valuable experience. Keywords fault detection; diagnosis; prognosis; deep learning; condition-based-maintenance; hydro-generators; wind-turbine; renewable power; generation system

Guest Editors

Dr. Ryad Zemouri

Dr. Mélanie Lévesque

Dr. Arezki Merkhouf

Deadline for manuscript submissions

closed (20 April 2024)



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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