



Modeling, Analysis and Control Processes of New Energy Power Systems

Guest Editors:

Prof. Dr. Haoming Liu

College of Energy and Electrical
Engineering, Hohai University,
Nanjing 211100, China

Dr. Jingrui Zhang

Department of Instrumental and
Electrical Engineering, Xiamen
University, Xiamen 361005, China

Dr. Jian Wang

College of Energy and Electrical
Engineering, Hohai University,
Nanjing 211100, China

Deadline for manuscript
submissions:

closed (31 August 2022)



mdpi.com/si/112389

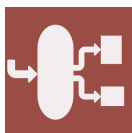
Message from the Guest Editors

Dear Colleagues,

This Special Issue on ‘Modeling, Analysis and Control Processes of New Energy Power Systems’ will gather high-quality research articles with original contributions to studies on the large-scale integration of new energy into power systems. Topics of interest include, but are not limited to:

- Optimal operation and control of new energy power systems;
- New energy power system control strategy for resilience enhancement;
- Modeling, analysis and control of flexible resources (including demand response, energy storage, power electronics device and so on) for new energy power systems;
- Modeling, analysis and control of AC–DC power systems;
- Modeling, analysis and control of interconnected multi-regional power systems;
- Coupling modeling, analysis and control of new energy power systems with gas networks and heat networks;
- Situation awareness and risk assessment of new energy power systems;
- Stability analysis and control of new energy power systems;
- Electricity market mechanism design and trading strategy of new energy power systems.

Special Issue



proces



an Open Access
Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**,
SCIE (Web of Science), **Ei Compendex**, **Inspec**, **AGRIS**, and **other databases**.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)