



Energy Systems Integration: From Policy-Makers to Consumers

Guest Editors:

Dr. Vahid Vahidinasab

vahid.vahidinasab@ntu.ac.uk

Prof. Dr. Behnam

Mohammadi-Ivatloo

mohammadi@ieee.org

Prof. Dr. Philip Taylor

pvc-research@bristol.ac.uk

Dr. Sara L Walker

sara.walker@newcastle.ac.uk

Dr. Damian Giaouris

damian.giaouris@

newcastle.ac.uk

Deadline for manuscript
submissions:

31 December 2021

Message from the Guest Editors

Decarbonization is one of the hottest subjects of the last decade, which has caused a revolution in most parts of the world, and is at the center of this goal is energy sustainability. Whilst the energy systems, including gas, power, transport, heating and cooling, are extremely important to the future of the world, the energy trilemma (i.e. keeping the balance among sustainability, the security of supply and affordability) brings many complex challenges. Energy systems integration (ESI) is one of the most important research areas of recent years.

This Special Section will target numerous prospects in energy systems integration. We welcome both the review and research articles to make this Special Issue more resourceful. Real-world use cases and demonstrators discussing new application areas and resulting new developments are especially welcome.

The topics of interest include, but are not limited to:

- The impact of zero energy and net-zero carbon policies on ESI;
- Challenges in planning and operation of integrated energy systems;
- Energy systems resilience;
- Energy forecasting;





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer-reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)