

Special Issue

Artificial Intelligence-Based Signal Processing for Sustainability

Message from the Guest Editor

Signal processing is a significant step for the eloquent restoration and analysis of ill-posed signals which are extremely troubled in nature. Traditional signal processing approaches yield rational answers; however, scheming a refined approach for ideal presentation frequently needs several hits and trials. Today, artificial intelligence is playing an increasingly important role in both image and video signals. Artificial intelligence, deep learning, and various areas of associated technologies have contributed seriously to research into sustainability. Improved from the conventional machine-learning methods, deep learning methods allow the end-to-end optimization of the whole data-driven pipeline. Deep learning also permits the learning of deep features within the dataset in numerous forms. However, until now, the most effective approaches of deep learning have been within the area of computer science and its associated engineering areas. The application of deep learning for answering environmental issues for sustainability is still incomplete in relation to the demand.

Guest Editor

Dr. Gwanggil Jeon

Department of Embedded Systems Engineering, College of Information Technology, Incheon National University, 119 Academy-ro, Yeonsu-gu, Incheon 22012, Republic of Korea

Deadline for manuscript submissions

closed (30 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/142589

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)