

Special Issue

Industrial Internet of Things: Emerging Trends in the Domain of Manufacturing and Energy Management

Message from the Guest Editor

This Special Issue intends to provide a comprehensive overview of the most recent and promising advancements in IIoT. Submissions are expected to cover the current state of the art and highlight the remaining challenges and barriers to the development of intelligent IIoT solutions aimed at addressing the emerging needs of the manufacturing and energy management sector. Potential topics include but are not limited to the following:

- predictive or even prescriptive maintenance solutions based on AI and machine learning;
- intelligent and resilient approaches to preserving safety and security of the manufacturing/power plant considered as a critical infrastructure;
- intelligent IIoT solutions integrating measurements coming from additive sensors that are external to the Manufacturing Execution System (MES) of the considered plant;
- innovatively distributed control protocols applied to IIoT scenarios (e.g., drone swarms or teams of unmanned ground vehicles equipped with computer vision technologies for surveillance, control and inspection of critical infrastructures);
- promoting the digital twin of power and water infrastructures based on the IIoT paradigm.

Guest Editor

Dr. Lorenzo Ricciardi Celsi

Elis Innovation Hub, via Sandro Sandri 81, 00159 Rome, Italy

Deadline for manuscript submissions

closed (20 April 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/97904

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



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



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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

Journal Rank:

CiteScore - Q1 (Control and Optimization)