



sensors



an Open Access Journal by MDPI

Regeneration Control, Sensing and Digital Twin of Eco-Environment

Guest Editors:

Prof. Dr. Baozhen Yao

Prof. Dr. Yibin Ao

Dr. Ronghui Zhang

Prof. Dr. Xing Zhu

Deadline for manuscript
submissions:

closed (15 January 2024)

Message from the Guest Editors

Dear Colleagues,

Modern cities are evolving towards intelligent and ecological systems. Measuring, observing, and controlling the dynamic eco-environment through digital twinning (DT) technology and cyber-physical systems (CPSs) is crucial for constructing eco-friendly smart cities. However, harnessing multi-source, multi-dimensional data perception and control in the eco-environment is challenging. DT technology, utilizing machine learning and IoT, creates digital replicas and optimizes eco-environmental evolution. Regeneration control technology recovers dissipated energy, enhancing energy efficiency. This Special Issue aims to promote eco-friendly smart cities using DT and regeneration control. We encourage submissions covering a broad range of topics.



mdpi.com/si/178083

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

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

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)