



sensors



an Open Access Journal by MDPI

Sensors & Methods in Digitisation of Complex Documents and Engineering Diagrams

Guest Editors:

Prof. Dr. Eyad Elyan

School of Computing, Robert
Gordon University, Aberdeen
AB10 7QB, UK

Dr. Carlos Moreno-García

School of Computer, Robert
Gordon University, Aberdeen
AB10 7AQ, UK

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present the latest original developments and challenges in the application of sensors in digitisation of complex documents and engineering diagrams. We are particularly interested in new trends and challenges in this area, including but not limited to:

- (1) Detecting and localising symbols, lines and text in complex documents and engineering drawings;
- (2) Automatic separation and extraction of text and graphic elements from documents;
- (3) Heuristic-based and deep-learning-based methods for digitising engineering diagrams;
- (4) The challenge of data annotation to enable object recognition for extracting graphic elements from complex documents;
- (5) Systems that are capable of reverting diagrams into an intelligent form or a digital twin;
- (6) End-to-end framework for extracting text, graphics and connectivity information from engineering diagrams;
- (7) Reviews that capture the latest development and challenges;
- (8) Application-based papers in this area.

Please contact the Guest Editors or the Assistant Editor at (ava.jiang@mdpi.com) for any queries.

For more information, please visit the website at: <https://www.mdpi.com/si/135118>



[mdpi.com/si/135118](https://www.mdpi.com/si/135118)

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 (*Instruments & Instrumentation*) / 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](#)