



Intelligent Sensing and Decision-Making in Advanced Manufacturing

Guest Editors:

Dr. Longfei Zhou

Department of Radiology, Duke
University, Durham, NC 27707,
USA

Dr. Pai Zheng

Department of Industrial and
Systems Engineering, Hong Kong
Polytechnic University, Hong
Kong SAR, China

Prof. Dr. Xinyu Li

School of Mechanical Science
and Engineering, Huazhong
University of Science and
Technology, Wuhan, China

Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to formulate original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of intelligent sensing and decision-making for AM systems. Potential topics include but are not limited to:

- Smart sensors for manufacturing devices;
- Intrusive sensors and non-intrusive sensors
- AI-based sensing technologies;
- Intelligent sensors on industrial robots;
- Dynamic decision-making methods for AM;
- Uncertainty-oriented methods in AM;
- Modeling and simulation for AM;
- Planning and scheduling for AM;
- Human-robot collaborative planning in AM;
- Motion planning and control of industrial robotics;
- Supply chain management and logistics in AM

For more information on the Special Issue, please visit the website at: <https://www.mdpi.com/si/128978>

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





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](#)