

Special Issue

Intelligent Reflecting Surfaces for 5G Communication and Beyond

Message from the Guest Editors

Reconfigurable intelligent surfaces (RISs) or intelligent reflecting surfaces (IRS) are an emerging transmission technology for application to wireless communications. They can reconfigure the wireless propagation environment via software-control reflection. This Special Issue aims at publishing high-quality research papers as well as review articles addressing recent advances on IRS-aided wireless communications for 5G and beyond. Potential topics include but are not limited to the following:

- IRS antenna design;
- IRS channel modeling;
- IRS channel capacity and performance limits;
- IRS and ML techniques;
- IRS channel estimation and channel feedback;
- IRS indoor channel characterization;
- IRS and NOMA techniques;
- IRS prototyping and experimental results;
- Cross-layer design for IRS-aided communications;
- IRS and wireless power transfer communication;
- IRS and mobile edge computing systems;
- IRS and physical layer security techniques;
- IRS and vehicle communications;
- IRS transmissive and hybrid.

Relevant Journals could be visited:

https://www.mdpi.com/journal/technologies/special_issues/Intelligent_5G

Guest Editors

Prof. Dr. Sotirios K. Goudos

Prof. Dr. George K. Karagiannidis

Dr. Marco Salucci

Prof. Dr. Shaohua Wan

Deadline for manuscript submissions

closed (30 June 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/93345

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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



About the Journal

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.

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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)