

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

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Deadline for manuscript submissions

closed (30 June 2022)



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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.

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