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Intelligent Reflecting Surfaces for 5G and Beyond

Guest Editors:

Message from the Guest Editors

Prof. Dr. Sotirios K. Goudos

Department of Physics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Prof. Dr. Shaohua Wan

Shenzhen Institute for Advanced Study, University of Electronic Science and Technology of China, Shenzhen 518110, China

Deadline for manuscript submissions: closed (31 July 2023)

Dear Colleagues,

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 IRSaided 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.





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Editor-in-Chief

Prof. Dr. Manoj Gupta

Materials Group, Department of Mechanical Engineering, National University of Singapore, 9 Engineering Drive 1, Singapore 117576, Singapore

Message from the Editor-in-Chief

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