Special Issue

Intelligent Reflecting Surfaces for 5G 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.

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Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

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