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Reconfigurable Intelligent Surface for 6G Wireless Communications

Guest Editors:

Dr. Cunhua Pan
Queen Mary Univ London, Sch Elect Engn & Comp Sci, London E1 4NS, UK

Dr. Tong Bai
School of Cyber Science and Technology, Beihang University, Beijing 100191, China

Dr. Yijin Pan
School of Information Science and Engineering, Southeast University, Nanjing 210096, China

Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editors

This Special Issue aims to solicit the most recent advances in channel modeling, analysis, and design of RIS-aided wireless communication systems. The topic of interests include but are not limited to:

- Channel modeling for RIS-aided wireless networks;
- Robust transmission design based on imperfect channel state information/hardware impairment;
- Theoretical performance analysis for RIS-aided wireless networks;
- Channel estimation for RIS-aided wireless networks;
- Deployment optimization for RIS-aided wireless networks;
- Applications of RIS in high-frequency communications, such as mmWave/Terahertz communications;
- Integration of RIS into emerging wireless communication applications such as wireless power transfer, mobile edge computing, physical layer security, UAV communications, etc..

Keywords

- intelligent reflecting surface
- reconfigurable intelligent surface
- 6G wireless communications
- massive MIMO
- mmWave communications
- AI
- UAV communications

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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