



Reconfigurable Intelligent Surfaces for Real-World Wireless Communication

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Deadline for manuscript
submissions:

16 November 2024

Message from the Guest Editor

Dear Colleagues,

Since the beginning of the study of reconfigurable including metasurface structures, there has been a lot of research on RISs to utilize them for wireless communication. Despite all the research being conducted on RISs, there still exist several technical issues. For example, how to sense and estimate the channel state information, how to accurately model the EM characteristics of RISs in the channel, how to implement cost-effective and controllable RISs, and how to efficiently implement the RIS control board, all remains contentious issues.

In this Special Issue, we will cover a variety of research findings for implementation in real-world wireless environments to address the technical challenges of RISs.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Hardware implementation of RISs;
- Implementing RISs with sensing and control;
- Active or hybrid RIS structure;
- Measurement system of RISs;
- Wideband or multifunctional RISs;
- Transparent RISs;
- Codebook implementation of RISs;
- Power-saving or harvesting RISs.





an Open Access Journal by MDPI

Editor-in-Chief

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Message from the Editor-in-Chief

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