Special Issue

Advances in Modern Channel Coding

Message from the Guest Editors

This Special Issue aims to capture the essence of these advancements by presenting a collection of original research articles, comprehensive reviews, and insightful perspectives from leading experts in the field. The contributions in this Special Issue cover a wide spectrum of topics, including, but not limited to, the following:

- Turbo, LDPC, polar, and product codes;
- Coded modulation;
- Joint source-channel coding;
- Code design for short-packet communications;
- Coding for optical/wireless communications;
- Rateless codes:
- Machine learning for codes and decoder designs;
- Guess-based decoding:
- Probabilistic shaping.

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