



Advances in Modern Channel Coding

Guest Editors:

Prof. Dr. Yongpeng Wu

Department of Electronic
Engineering, Shanghai Jiao Tong
University, Shanghai, China

Dr. Peihong Yuan

Research Laboratory of
Electronics (RLE), Massachusetts
Institute of Technology (MIT),
Cambridge, MA, USA

Deadline for manuscript
submissions:

31 March 2025

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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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

Message from the Editor-in-Chief

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Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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