# Special Issue

# Signal Processing and Tensor Techniques for Communication and Positioning Systems

## Message from the Guest Editor

This special issue addresses the challenges of advanced signal processing and system design techniques for wireless communication and positioning applications. Suitable topics for this special issue include, but are not limited to, the following subjects: Information theoretical limits to communication and positioning in wireless systems; Information theory-inspired techniques for communication and positioning; Modulation and coding for communication and positioning; Tensor techniques for information transmission and positioning; Tensor-based methods for interference robust communication and positioning; Tensor applications in satellite navigation and communication; Reconfigurable intelligent surfaces for localization and communication; Networking aspects of information transmission and positioning; Resource allocation techniques for communication and positioning; Sensing and communication aspects for positioning; AI-assisted techniques for communication and positioning application; Wireless federated learning for positioning; Applications, such as 6G, autonomous driving vehicles, UAVs, IoT, safety and security, visible light systems, and satellite systems.

## Guest Editor

Prof. Dr. Harry Leib

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## Deadline for manuscript submissions

closed (31 March 2025)

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mdpi.com/si/188256

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## Editor-in-Chief

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