

# Special Issue

## Deep Learning and Generative AI for Wireless Communications

### Message from the Guest Editors

This Special Issue solicits original research and review articles, aiming to bring together researchers, practitioners, and industry experts from around the world to explore the latest advancements, deployment challenges, and opportunities on emerging theories and applications of deep learning and generative artificial intelligence for wireless communications. Research areas may include (but are not limited to) the following:

- Deep learning/generative AI for wireless signal processing;
- Deep learning/generative AI for wireless network management;
- Deep learning/generative AI for emerging wireless applications;
- Wireless networks for deep learning/generative AI;
- Semantic and goal-oriented communications;
- Standardization and commercialization.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



## Mathematics

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## About the Journal

### Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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### Editor-in-Chief

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