

## Special Issue

# Explainable Artificial Intelligence: Concepts, Techniques, Analytics and Applications, 2nd Edition

### Message from the Guest Editors

This Special Issue explores the latest advancements in XAI, fostering collaboration and innovation in developing more explainable and reliable AI systems. Topics of Interest:

- Bio-inspired methods, deep learning, convolutional neural networks, hybrid architectures, etc.
- Time series analysis, fractional-order controllers, gradient field methods, surface reconstruction, and other mathematical models for intelligent feature detection, extraction, and recognition.
- Embedded intelligent computer vision algorithms.
- Human, nature, technology, and various object activity recognition models.
- Hyper-parameter learning and tuning, automatic calibration, and hybrid and surrogate learning for computational intelligence in vision systems.
- Intelligent video and image acquisition techniques.

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### Guest Editors

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### Deadline for manuscript submissions

15 December 2026



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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