Special Issue

Explainable Artificial Intelligence: Concepts, Techniques, Analytics and Applications

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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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 guest-edited by leading experts in selected topics of interest.

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