

Special Issue

Explainable and Interpretable AI

Message from the Guest Editors

Explainable and interpretable AI (XAI/IAI) is an active area of research that aims to contribute to build a culture of best practices to achieve responsible and trustworthy AI. It focuses on developing methods to better understand the process behind the algorithms, while establishing levels of explainability adapted to different user-oriented audiences, enhancing the decision-making power of AI stakeholders by providing tools for assessment, understandability, and interaction with AI-based systems. This Special Issue aims to collect high-quality, original state-of-the-art papers that present novel research including the following non-exhaustive list of topics:

- Bias detection/evaluation/removal
- Ethical and legal aspects of XAI/IAI
- Evaluation metrics
- Human-understandable explanations
- Epistemic aspects of XAI
- White-box approaches
- Applications of XAI/IAI in different domains

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Deadline for manuscript submissions

closed (20 April 2024)



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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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