

Special Issue

Emerging Technologies in Explainable Artificial Intelligence (XAI) for Big Data

Message from the Guest Editors

Artificial intelligence applications, methods, techniques, and approaches are rapidly advancing. Although they contribute positively to many aspects of our lives, there are major concerns about how they process and learn from our information, their critical decision-making, etc.

There is increasing demand from individuals in societies, businesses, organizations, and government bodies to increase our understanding of AI applications in performing tasks. The need for explainable AI has prompted researchers, businesses, and governments to take action to increase form theories and application designs that allow transparency and explanations of the processes and decisions of AI algorithms and products. Thus, this Special Issue invites the contribution of original theoretical or applied research, as well as survey papers, related to methods, approaches, and techniques to explain AI in relation to big data. Research areas may include (but are not limited to) the following:

- Theory and foundations of explainable AI using big data
- Methods and standards for explainable AI
- Analyses of AI or machine learning model training
- Explainable machine learning algorithms

Guest Editors

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Deadline for manuscript submissions

closed (15 August 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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