



## Explainable Artificial Intelligence (XAI)

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### Message from the Guest Editors

Artificial intelligence (AI) is one of the most promising fields today, in many different research areas. However, while many of the current AI algorithms exhibit high performance, they are incomprehensible in terms of explainability. The term XAI is related with those algorithms and techniques which apply AI in a way that the solution can be understood by human users. Thus, the goal behind XAI systems is that the decisions made or suggested by such systems be explained with transparency.

This Special Issue aims not only to review the latest research progress in the field of XAI but also their application in the different research areas. We encourage submissions of conceptual, empirical, and literature review papers focusing on this field. Different types and approaches of XAI are welcome in this Special Issue.

### Keywords

- Explainable artificial intelligence
- Human-understandable AI systems





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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