



Interpretable Deep Learning in Electronics, Computer Science and Medical Imaging

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Message from the Guest Editor

Artificial intelligence (AI), particularly, deep learning (DL), which involves automated feature extraction using deep neural networks (DNNs), has been used increasingly by electronics engineer, computer scientist, and physicians. AI can analyze computer vision and medical images at a level not possible by a single person. However, the resulting parameters are difficult to interpret.

The aim of the Special Issue is to help realize interpretable DL in electronics, computer science, and medical imaging, and help to establishing accountability in medical imaging to explain the classification results clearly. Topics of interest of this Special Issue include, but are not limited to:

- Interpretable DL in electronics
- Interpretable DL in computer science
- Interpretable DL in medical imaging
- Non-black-box machine learning
- Interpretable large decision trees and random forests
- Interpretable machine learning
- Converting deep neural network to decision trees
- Interpretable decision trees

Welcome to contribute!





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Message from the Editor-in-Chief

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