Special Issue

Research on Intelligent Fault Diagnosis Based on Neural Network

Message from the Guest Editors

This Special Issue on “Research on Intelligent Fault Diagnosis Based on Neural Network” aims to further advance intelligent fault diagnosis methods based on neural network technology and address existing problems in this field. Topics of interest include, but are not limited to, the following:

- Intelligent algorithms for fault detection, isolation, and estimation;
- Explainable learning for fault diagnosis;
- Transferable learning for fault diagnosis;
- Physics-enhanced machine learning for fault diagnosis;
- Deep generative model-based fault diagnosis;
- Knowledge-enhanced machine learning for fault diagnosis;
- Real-time machine learning for fault diagnosis;
- Applications of neural network-based intelligent fault diagnosis methods;
- Fault-tolerant control;
- Remaining useful life prediction;
- Intelligent maintenance strategies;
- Other related topics.

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Editor-in-Chief

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