

Special Issue

Intelligent Fault Diagnosis and Prognosis in Electric Motors and Energy Storage Systems

Message from the Guest Editor

The increasing adoption of electric motors and energy storage systems across industrial, transportation, and renewable energy sectors demands advanced techniques for ensuring their reliability and operational efficiency. This Special Issue aims to explore recent advancements in intelligent fault diagnosis and prognosis methods applied to these critical components. Emphasizing the integration of artificial intelligence (AI), machine learning (ML), signal processing, and digital twin technologies, the issue seeks to present cutting-edge research and practical applications that enable early fault detection, accurate fault classification, remaining useful life (RUL) estimation, and predictive maintenance strategies.

Guest Editor

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Editor-in-Chief

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