



Fault Diagnosis and Fault-Tolerant Control of Power Machinery: Developments and Challenges

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Message from the Guest Editor

Dear Colleagues,

The "Fault Diagnosis and Fault-Tolerant Control of Power Machinery: Developments and Challenges" Special Issue compiles cutting-edge research on fault detection, diagnosis, and control strategies for power machinery systems. Its goal is to meet the growing demand for the efficient, reliable, and safe operation of power machinery amidst technological advancements and increasing complexity. The issue consists of peer-reviewed articles. These include innovative methodologies and techniques for the early detection and identification of faults in machinery components, adaptive and robust control approaches, advanced data analytics for improved fault diagnosis, real-time monitoring and health management systems, and practical applications in diverse power machinery domains. In addition, the issue discusses the challenges faced by researchers and practitioners in implementing these advanced techniques, including scalability, computational complexity, and the need for reliable performance in uncertain environments. This Special Issue serves as a valuable resource for researchers, engineers, and policymakers in the field.





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Message from the Editor-in-Chief

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