

Special Issue

Failure Diagnosis of Complex Systems

Message from the Guest Editor

This Special Issue invites contributions addressing novel theories, methodologies, and applications in failure diagnosis for complex systems. Submissions should emphasize rigorous mathematical foundations, scalability, and real-world applicability. Interdisciplinary insights bridging entropy, nonlinear dynamics, statistical mechanics, and information theory are particularly encouraged. By fostering advancements in fault diagnosis frameworks, this issue aims to enhance robustness in critical infrastructures and accelerate the transition to intelligent, self-diagnosing systems. We welcome original research articles, reviews, and perspectives from academia and industry.

Guest Editor

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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