



Fault Diagnosis and Fault-Tolerant Control and Their Applications to Aerospace and Mechanical Systems

Guest Editors:

Message from the Guest Editors

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New approaches to control system design have been developed in order to tolerate component malfunctions while maintaining desirable stability and performance properties. Note that, in the literature, Fault Detection and Isolation (FDI) or Fault Detection and Identification (estimation) (FDD) are often used. The most obvious applications of FDI and FTC include aerospace, aircraft and mechanical system industries.

This Special Issue highlights that, maybe due to historical reasons and the complexity of the problem, most of the research on fault diagnosis and fault tolerant control was carried out as two separate tasks. Therefore, further attention should be paid to the analysis and design of the overall system structure, as well as the interaction between fault diagnosis and fault tolerant control, which remain open for further research and development.

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Message from the Editor-in-Chief

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