



Robust, Fault-Tolerant Control Design

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Message from the Guest Editors

Dear Colleagues,

The pace of development in science and technology has significantly accelerated in recent years, while industrial applications are becoming much larger and more complex. Consequently, it is more common to encounter faults within systems as the complexity and number of components increases. Among the classes of possible faults, actuator faults are considered to be one of the most critical challenges to be solved, since system performance can be severely deteriorated by improper actuator function. The design of these systems involves advanced techniques including robust nonlinear estimation, adaptive learning-based control, and distributed control. Recently, these advanced techniques have been successfully applied to various types of unmanned aircrafts and autonomous mobile robots. This Special Issue is intended to provide a wide range of readers a copious collection of emerging fault-tolerant control design methods. In this context, it welcomes important contributions from renowned international researchers in a wide range of engineering disciplines.

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