Special Issue

Nonlinear and Adaptive Control of Intelligent Machines

Message from the Guest Editor

This Special Issue will cover recent advances and new directions in the theory and application of non-linear and adaptive control for intelligent machines, including robots, unmanned vehicle systems, autonomous vehicles, and more. We are looking for the state-of-the-art advances in research with the topics related to machine control, including, but not limited to, the following:

- Non-linear and adaptive control algorithms for robotic systems, unmanned aerial vehicles, and other intelligent machines.
- Real-time optimization of machine control systems.
- Machine learning and artificial intelligence techniques for control design.
- Control strategies for complex systems.
- Design and implementation of advanced sensor and actuator systems for machine control.
- Intelligent adaptive learning and control for industrial machines.
- Adaptive observer-based non-linear control techniques.
- Non-linear observer-based design approach.
- Autonomous machine dynamics and control.

Guest Editor

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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