Special Issue

Nonlinear Control: Theory and Applications

Message from the Guest Editor

Nonlinear control problems such as robust stabilization and adaptive tracking naturally arise when coping with controlled systems which are inherently nonlinear and potentially suffer from various unknown uncertainties and/or time-varying disturbances. Although a considerable number of interesting and valuable results can be found in the literature, the synthesis of control strategies for a wider class of nonlinear systems along with broader applications remains challenging and open, especially for the diversely complicated control tasks arising from the growing integration with emerging technologies in communication and computation areas. The main intention of the proposed Special Issue is to present a state-of-the-art collection of articles presenting the novel developments of nonlinear control approaches in both theoretical background and applications. The principal topics to be covered include, but are not limited to, the following:

- New tools and developments for nonlinear control
- Nonlinear control for complex systems
- Nonlinear observer design and output feedback
- Applications of novel nonlinear control approaches

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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