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Advanced Control Theory with Applications in Intelligent Machines

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Deadline for manuscript submissions:
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Message from the Guest Editors

This Special Issue will feature recent developments of intelligent control theory and its implementation in the development of intelligent machines. The machine's ability to monitor its environment, make decisions, and adjust its actions based on observations marks its intelligence, which serves as the major impetus for the ongoing revolution of industries and our daily lives. Examples of intelligent machines include industrial robots equipped with sensors, self-guided unmanned vehicles relying on real-time vision in complex environments, and smart grid equipped with intelligent control and decision strategies. The target audience includes researchers in the broad areas of machine learning, unmanned systems, robotics, IoT and IIoT, control engineering, smart grid, and applied mathematics. It aims to provide a platform for sharing recent results and team experience to contribute to the advancing of intelligent machine technology.Topics that include but are not limited to:

- Intelligent systems and control theory;
- Intelligent unmmaned systems;
- Smart grid;
- Computer vision and its industrial applications;
- Machine learning and deep learning.

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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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