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## Advances in Mechanical Systems Dynamics

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Deadline for manuscript submissions:

**closed (30 October 2019)**

### Message from the Guest Editors

Nowadays, mechanical systems are increasingly integrated with electronic, electrical, and fluidic systems. This trend is present not only in the industrial environment, but also in other environments like automotive technology, rehabilitation and bio-engineering, smart materials and domotics. This Special Issue aims at disseminating the latest research achievements, findings, and ideas in mechanical systems dynamics, with particular emphasis on applications that are strongly integrated with other systems and require a multi-physical approach.

Papers are welcome on topics that are related to the theory, practice, and applications of mechanical systems dynamics, including but not limited to the following:

- The identification and dynamics of multi-body systems;
- The dynamics of automatic machinery;
- Dynamics stability and control of vehicles;
- The dynamics of connected and autonomous vehicles;
- The dynamics and control of robots;
- Innovative robots;
- Medical robotics (surgery, rehabilitation);
- The dynamics of multi-physics systems for energy harvesting.

Keywords: dynamics, multi-physics systems, vehicle dynamics, robot, multi-body



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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.

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