



Transmission Mechanics: From Theory to Application

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 August 2024)

Message from the Guest Editor

The special issue "Transmission Mechanics: From Theory to Application" focus on the frontiers of high-speed, precision, heavy load, intelligent, highly reliable motion and power transmission. In this Special Issue, we seek high-quality submissions of original research articles regarding all aspects related to Transmission Mechanics: From Theory to Application. We welcome both theoretical and application papers of high technical standards across various disciplines, thus facilitating an awareness of techniques and methods in one area that may apply to other areas.

Topics of interest include, but are not limited to:

- New theory of transmission.
- New method and new technology of power transmission and motion transformation
- Theory and technology of high performance electromechanical transmission and composite transmission.
- Transmission tribology and surface engineering.
- Intelligent control of transmission system and energy conservation and environmental protection.
- System dynamics and vibration noise control.
- Theory and method of reliability design for transmission.
- Transmissions for energy systems, mobility systems, production machinery and new applications





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Editor-in-Chief

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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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