

Special Issue

Advancing Actuators-Based Land Transport Systems: State of the Art and New Technologies

Message from the Guest Editors

Aiming at widely spreading the latest research in the field, we are pleased to announce a Special Issue “Advancing Actuators-based Land Transport Systems: State of the Art and New Technologies”. This Special Issue will bring together original and high-quality articles through an international standard peer-review process with the following main topics (not an exhaustive list):

- Modeling, estimation, and control of actuator-based land transport systems.
- Fault diagnosis and prognosis of actuator-based land transport systems.
- Fault tolerant control of actuator-based land transport systems.
- Classical chassis and modern by-wire systems in intelligent vehicles of actuator-based land transport systems.
- Sensing, interpreting, and decision makings of connected and autonomous vehicles in land transport systems.
- Navigation, guidance, and control of autonomous vehicles in land transport systems.
- AI based modelling, optimization, estimation and control technologies for actuator-based land transport systems.
- Tests and evaluation on actuator-based land transport systems.

Guest Editors

Dr. Hai Wang

Prof. Dr. Vladimir V. Vantsevich

Dr. Giuseppe Carbone

Deadline for manuscript submissions

closed (20 December 2022)



Actuators

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.3



mdpi.com/si/98697

Actuators
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
actuators@mdpi.com

[mdpi.com/journal/
actuators](https://mdpi.com/journal/actuators)





Actuators

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.3



[mdpi.com/journal/
actuators](https://mdpi.com/journal/actuators)



About the Journal

Message from the Editor-in-Chief

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of \$1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

Editor-in-Chief

Prof. Dr. Kenji Uchino
Emeritus Academy Institute, The Pennsylvania State University,
University Park, PA 16802, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1
(Control and Optimization)