

Special Issue

Advanced Control and Estimation Concepts, and New Hardware Topologies for Future Mobility

Message from the Guest Editor

According to the National Research Council, the use of embedded systems throughout society could dominate previous milestones in the information revolution.

Mechatronics is the synergistic combination of electronic, mechanical, controls, software, and systems engineering in the design of processes and products. Mechatronic systems put “intelligence” into physical systems. Embedded sensors/actuators/processors are integral parts of mechatronic systems. On the one hand, the implementation of mechatronic systems is on the continuous rise, especially in the applications of Future Mobility. On the other hand, manufacturers are working hard to reduce the implementation cost of these systems while trying not to compromise product quality. One way of addressing these conflicting objectives is through automatic controls and virtual sensing. Therefore, this Special Issue seeks to contribute to advanced control and estimation concepts and new hardware topologies for future mobility.

Guest Editor

Prof. Dr. Francis F. Assadian

Department of Mechanical and Aerospace Engineering, University of California Davis, Davis, CA 95616, USA

Deadline for manuscript submissions

closed (30 November 2021)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/36678

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



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



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)