

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

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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.

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