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

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Message from the Guest Editor

Dear Colleagues,

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.



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Special Issue



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Message from the Editor-in-Chief

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