

Special Issue

New Insights in Mechatronics and Systems Design for Industry 4.0

Message from the Guest Editors

Mechatronics applications are typically used in multidomain systems to integrate mechanical, electronic, and controls subsystems into a single complex system. As such, they often form the underpinning asset that enables product-service systems (PSS) and systems-of-systems. Within this context, digitalization creates opportunities and challenges for developing new value propositions based on mechatronics applications. Industry 4.0 allows us to develop systems-of-systems that promise increased value creation. However, they also provide challenges due to the integration of new disciplines into the existing worlds of mechatronics and systems engineering.

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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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