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## **Control of Electro-Hydraulic Systems**

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Deadline for manuscript submissions:

closed (17 May 2024)

## **Message from the Guest Editors**

Dear Colleagues,

Recently, there have been advances in the development of new control algorithms for electro-hydraulic systems due to widely available sensor systems and computing power. This opens new possibilities for predictive control and data-based optimization algorithms. These algorithms can improve the overall efficiency and precision of the systems while reducing maintenance and energy demand.

Furthermore, mechanical deterioration can be detected, identified, and factored into the control based on the response of the system.

This Special Issue aims to explore the research in the field of the control of electro-hydraulic systems. Papers on one or more of the following subjects are especially welcomed:

- Sustainable drives:
- Energy-efficient control;
- Predictive and precise control technologies;
- Data-based control algorithms;
- New sensors for electro-hydraulic systems;
- Fault prediction in electro-hydraulic systems;
- Intelligent control electro-hydraulic systems;
- Precise robust control algorithms;









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## **Editor-in-Chief**

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# Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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