

Special Issue

New Challenges in Electrohydraulic Control System and Energy Saving

Message from the Guest Editor

This Special Issue focuses on these important research areas in order to surpass the limitations of the traditional electrohydraulic control system and promote energy saving and smartness. Contributions are especially, but not only, encouraged to address the following topics:

Review of energy saving strategies for electrohydraulic control systems; Design and control strategies of electrohydraulic systems with high efficiency; Energy saving-based optimization of electrohydraulic systems; Innovative methods to apply smart materials to electrohydraulic systems; Electrohydraulic components to enhance power transmission efficiency; Approaches for harvesting energy from machines driven by electrohydraulic systems; Integration of electrohydraulic systems into smart devices; Electrohydraulic control system in the era of Industry 4.0; Coupling analysis of electrohydraulic systems with multiphysics; Microhydraulic system with high performance; Electrohydraulic system operating under extreme conditions.

Guest Editor

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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.

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