

Special Issue

Application and Analysis in Fluid Power Systems

Message from the Guest Editors

This Special Issue aims to collect studies on the recent advances of fluid power technology in a wide range of topics, including the following: New methodologies for the analysis, modeling, simulation, and design of hydraulic and pneumatic components; Advanced configurations and design for hydrostatic machines and valves; New experimental approaches and techniques in hydraulic and pneumatic components; Applications of fluid power in the field of hydrostatic, hybrid, and power split transmissions; Safety, prognostic, monitoring and fault detection in fluid power components; Hydraulic drives and actuators in powered prosthetics; New system architectures based on EHA to reduce fuel consumption and increase productivity of fluid power machines; Digital, smart fluids, and smart materials for fluid power systems; Aerospace, off-road machinery and stationary applications; Control design methodologies and techniques for fluid power systems; New system configurations to reduce fuel consumption and increase productivity of fluid power machines; Applications and environmental topics of fluid power in the field of renewable energy; Fluid power in mobile and industrial robots.

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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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