Special Issue

Application and Analysis in Fluid Power Systems II

Message from the Guest Editors

This special issue is a continuation of the previous successful series topics of “Fluid Power Systems”. It aims to collect studies including the following: New methodologies for the analysis, modeling, simulation, experimental approaches, techniques and design of 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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