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Application and Analysis in Fluid Power Systems

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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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Special Issue



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Message from the Editor-in-Chief

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