



Energetic Challenges and Perspectives in Advanced Technologies of Hydraulic Systems

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Message from the Guest Editors

This Special Issue will deal with new advances in energy saving technologies of hydraulic systems, which can be used in many areas of applications. Topics of interest for publication include, but are not limited to:

- Experimental investigations, modeling and simulations of hydraulic components' and system energetic efficiency;
- Theoretical, numerical and experimental research on new concepts of control of hydraulic systems;
- Influence of working loads and speed on the efficiency of hydraulic systems;
- Influence of hydraulic system dynamics on energetic efficiency;
- Efficiency of hydraulic systems in various machinery applications;
- Impact of hydraulic systems on the efficiency of machine operation;
- Selection of hydraulic units from the energy point of view;
- Efficiency of hybrid drives in hydraulic systems;
- Efficiency of hydrostatically driven manipulators;
- Efficiency of micro-hydraulic systems;
- Influence of the selection of working fluids on the efficiency of the system;
- Optimization of the operation of hydraulic systems;
- Influence of Artificial Intelligence (AI) and Neural Networks (NN) on the energetic efficiency of hydraulic systems.



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Message from the Editor-in-Chief

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