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Flow Regulation, Control Methods and Condition Monitoring in Hydraulic Systems

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Deadline for manuscript submissions:

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Message from the Guest Editors

Flow regulation, control methods and condition monitoring in hydraulic systems are driving progress in the field of hydraulics. This poses new challenges in the advancement of the high performance of electro-hydraulic control systems as well as their condition monitoring technology. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results in the field of high-performance hydraulic components and systems, exploring design, service, and theory as well as practical use.

This Special Issue will publish high-quality, original research papers in the overlapping fields of:

- *Fluid transmission;*
- *Cavitation bubble flow;*
- *Flow-induced vibration and noise;*
- *Flow field observation method;*
- *Bionic optimization design;*
- *High-performance hydraulic components;*
- *Dynamic modeling and optimization of the electromechanical hydraulic systems;*
- *Intelligent control and Reliability assessment;*
- *Artificial intelligence, machine learning, and deep learning;*
- *Dynamic modeling and optimization of the electromechanical hydraulic systems;*
- *Condition monitoring and fault diagnosis.*



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Special Issue



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Message from the Editor-in-Chief

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