

## Special Issue

# Intelligent Control and Maintenance of Fluid Component and System

### Message from the Guest Editors

This Special Issue on “Intelligent Control and Maintenance of Fluid Component and System” seeks high-quality works focusing on the latest novel advances regarding the modeling, simulation, optimization, controlling, application, and maintenance of all kinds of fluid components and systems. The topics within the scope of the issue are mainly in the following, but not limited to this: (1) Modeling and identification of fluid components and systems (e.g., robots, underwater manipulators, aero-engines, etc.); (2) Smart fluid components and systems (e.g., fluid components driven by smart material, digital fluids, microfluidics, etc.); (3) Design and optimization of fluid components and systems (e.g., pump, valve, hydraulic cylinder, motor, nozzle, turbine, system, etc.); (4) Advanced control of fluid components and systems (e.g., sliding mode control, adaptive control, robust control, neural network, deep learning, etc.); (5) Fault diagnosis and life prediction of fluid components and systems; (6) Intelligent maintenance of fluid components and systems; (7) Applications of fluid components and systems.

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### Guest Editors

Dr. Yong Zhu

Dr. Qiang Gao

Dr. Xiaoming Yuan

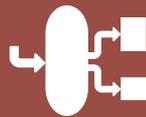
Prof. Dr. Chuan Wang

Dr. Bo Hu

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### Deadline for manuscript submissions

closed (25 April 2023)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
Department of Drug Science and Technology, University of Turin, Via P.  
Giuria 9, 10125 Turin, Italy

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