

## Special Issue

# New Trends in Fuzzy Control System Applications in Complex Industrial Processes and Energy Systems

### Message from the Guest Editors

This Special Issue seeks high quality research focusing on the latest novel advances fuzzy/NN/ILC intelligent control and other nonlinear control methods for both theoretical analysis and practical applications. Topics include, but are not limited to, the following:

- Intelligent control for nonlinear systems with time delay, disturbances, and a predetermined performance index for energy saving;
- Finite time/fixed time fuzzy control/NN control/ ILC/ model-free control design for the motion control of several different types of robotics, such as USV, AUV, UAV, WMR, Table Tennis Robot, Inspection robot, and so on;
- Distributed control/formation control/leader–follower tracking control design with fuzzy rule for nonlinear systems;
- New LLM/video data/image processing technology, algorithm design, applications and modeling.

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### Guest Editors

Prof. Dr. Hua Chen

Dr. Gang Wang

Dr. Yunfeng Ji

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### Deadline for manuscript submissions

31 December 2025



## Processes

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*Processes*  
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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