

## Special Issue

# Advanced Control Systems and Applications

### Message from the Guest Editors

With the development and progress of technology, advanced control systems have been continuously introduced and applied in various fields, becoming an effective means to improve system performance and optimize production processes. Many rather abstract theoretical tools seem to play an important role in practical application problems, but the design steps remain obscure. The Special Issue lies in new technologies that solve these problems arising in the field of applied control, and it is hoped that it will attract some of the latest contributions to advanced control system design. Specific topics of interest include (but are not limited to) the following:

- Industrial internet-based control;
- Advanced control theory;
- Nonlinear control;
- Neural network control;
- Fuzzy control;
- Adaptive control;
- Iterative learning control;
- Data-driven control;
- Mechatronics;
- Robotic control;
- Automobile control;
- Nanopositioning control
- Aerospace applications;
- Passive and active vibration control;
- Bio-medical applications.

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### Guest Editors

Prof. Dr. Miaolei Zhou

College of Communication Engineering, Jilin University, Changchun 130022, China

Dr. Rui Xu

Changchun Institute of Optics Fine Mechanics and Physics Chinese Academy of Sciences, Changchun, China

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### Deadline for manuscript submissions

closed (30 November 2024)



## Applied Sciences

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

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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