

## Special Issue

# Recent Advances in Statistical Learning: Theories, Technologies and Environmental & Industrial Applications

### Message from the Guest Editors

In fact, the foundation of AI is heavily reliant on statistical learning models and theories. Statistical learning from big data or sparse data can be very helpful to investigate intelligent systems' characteristics and guarantee their stability, security, and economic viability. However, there are still many challenging problems in the statistical learning field that remain unsolved due to the various data formats, more complex data structures, and high sparsity of the data. Thus, new techniques and advanced engineering applications in statistical learning are still appealing to many scholars in the field. This Special Issue aims to provide selected contributions on recent advances in statistical learning theories, models, and applications. The potential topics include, but not limited to, the following:

- Statistical learning and data driven control intelligent systems;
- Deep learning theory and applications;
- Statistical learning in linear and nonlinear systems;
- Unsupervised statistical learning;
- Deep generative models and related applications;
- Computer vision;
- Natural language processing;
- Deep reinforcement learning.

### Guest Editors

Dr. Yusen He

Dr. Huajin Li

Dr. Xun Shen

Prof. Dr. Zhenhao Tang

### Deadline for manuscript submissions

closed (15 October 2023)



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

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### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

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