

## Special Issue

# Data-Driven Processing from Complex Systems Perspective

### Message from the Guest Editors

This Special Issue considers the fact that driven models bring a novel ingredient in the overall modeling of complex systems. Potential topics of the special issue include but are not limited to:

- Advanced data analysis and/or data visualization in complex models;
- Big data analysis within multifractal analysis or fractional calculus methods in complex systems;
- Advanced topics in fractional calculus and complex systems;
- Quantization optimization algorithms for complex systems;
- AI approaches in complex systems for real-world, universal, and natural phenomena;
- Data-driven stochastic differential equations;
- Machine learning applications in complex data;
- Optimization by deep neural networks;
- Medical algorithmic applications;
- AI applications in signal processing;
- Advanced AI and embedded vision for complex surveillance environments;
- Advanced computational imaging;
- Fractional dynamical models in complex systems;
- Fractal dynamics and kinetics of complex systems;
- Discrete, stochastic, and hybrid dynamics;
- Multifractal systems in real-world, universal, and natural phenomena.

### Guest Editors

Prof. Dr. Yeliz Karaca

Prof. Dr. Yudong Zhang

Dr. Khan Muhammad

Dr. Shuihua Wang

### Deadline for manuscript submissions

closed (30 April 2023)



## Electronics

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## About the Journal

### 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

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