



## Entropy Application in Biomechanics and Biosignal Processing

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editor

The main objective of this Special Issue will be to reunite studies that focus on investigating entropy application in biomechanics and for other biosignals, as well as its methodological concerns, in several conditions and populations, in both healthy individuals and those with a pathology. In addition, this Special Issue aims to present studies that verify clinical evidence of the effectiveness of the use of entropy to discriminate or classify different populations/conditions.

Specific themes for this Special Issue include, but are not limited to:

- Entropy and biomechanics
- Entropy and movement variability
- Entropy in gait and balance
- Entropy and heart rate variability
- Entropy and muscle function
- Entropy and brain rhythms
- Entropy as a biomarker
- Multiscale entropy and complexity
- Entropy and its algorithms
- Methodological concerns when extracting entropy





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## Editor-in-Chief

### **Prof. Dr. Kevin H. Knuth**

Department of Physics, University  
at Albany, 1400 Washington  
Avenue, Albany, NY 12222, USA

## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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