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## Entropy in Soft Computing and Machine Learning Algorithms

Guest Editors:

### **Dr. Diego Oliva**

Departamento de Innovación  
Basada en la Información y el  
Conocimiento, Universidad de  
Guadalajara, CUCEI, Guadalajara  
44430, Mexico

### **Dr. Salvador Miguel Hinojosa Cervantes**

Depto. de Ciencias  
Computacionales, Universidad  
de Guadalajara, CUCEI, Av.  
Revolución 1500, Guadalajara,  
Jalisco, Mexico

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### **Message from the Guest Editors**

Soft computing and machine learning algorithms are used in different fields of science and technology. They are important tools designed to solve complex real-life problems under uncertainty.

Entropy is a powerful tool that has changed the analysis of information. The use of entropy has been extended in soft computing and machine learning methodologies, from measuring uncertainty to exploring and exploiting search spaces in optimization. Different kinds of entropy are used depending on what is required. Moreover, it is necessary to use soft computing and machine learning methods to provide accurate solutions to complex problems in the information era. Hybrid algorithms are also important; they merge skills from different approaches and make decisions based on different rules to explore the possible solutions accurately.

This Special Issue aims to present the latest advances in soft computing and machine learning algorithms that employ or solve problems where entropy is included.



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# Special Issue



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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.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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*Entropy* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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