

## Special Issue

# Towards the Understanding of Kernel and Neural Learning Methods via Information-Theoretic Learning (ITL)

### Message from the Guest Editors

In this Special Issue, we aim to bring together contributions towards the understanding of such single and deep structures from the analysis of their information content, as well as contributions that apply or analyze such structures from inferential, probabilistic, or information-theoretic points of view. An additional natural field of research is given by their hybridization, which can be done in many fruitful ways. Many ideas from the deep learning field can be transferred to the kernel method framework and vice versa.

The scope of the contributions is rather broad, including theoretical studies and practical applications to any kind of machine learning or statistical task, such as regression, classification, system identification, unsupervised learning, density estimation, clustering, etc.

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### Guest Editors

Dr. Lluís A. Belanche Muñoz

Department of Computer Science, Universitat Politècnica de Catalunya,  
08034 Barcelona, Catalonia, Spain

Dr. Bruno Ordozgoiti

Department of Computer Science, Aalto University, FI-00076 Aalto,  
Finland

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### Deadline for manuscript submissions

closed (30 December 2021)



## Entropy

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

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### 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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### Editor-in-Chief

Prof. Dr. Kevin H. Knuth

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

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