

## Special Issue

# Wavelets, Fractals and Information Theory IV

### Message from the Guest Editor

Wavelet analysis, fractals, fractional order operators, and nonlinear methods for the solution of nonlinear, irregular problems are playing an increasing role in science, engineering applications, and information theory. Wavelet and fractals are the most suitable and efficient methods to analyze irregular shapes and signals, complex systems, localized functions, singularities and singular operators, non-differentiable functions, and, in general, nonlinear and singular problems. Nonlinearity and nonregularity usually characterize the complexity of a problem, thus representing the most studied features to approach a solution to complex problems. This Special Issue will also be an opportunity to extend the research fields of several interdisciplinary fields, such as image processing, the theory of differential/integral equations, number theory and special functions, generalized multiresolution analysis, and entropy as a measure in all aspects of the theoretical and practical studies of mathematics, physics, and engineering. More information about our SI:

[https://www.mdpi.com/journal/entropy/special\\_issues/wavelets\\_fractals](https://www.mdpi.com/journal/entropy/special_issues/wavelets_fractals).

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### Guest Editor

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università,  
01100 Viterbo, Italy

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### Deadline for manuscript submissions

closed (31 December 2021)



## Entropy

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*Entropy*  
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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## About the Journal

### 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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