# Special Issue

# Entropies: Between Information Geometry and Kinetics

### Message from the Guest Editors

The history of entropy is a wonderful combination of physical, probabilistic, and geometrical ideas. Chemical and biological problems and modern data analysis further enrich this beautiful combination. This issue has an ambitious goal: To collect highly interdisciplinary papers that combine more than one subject and are related to geometric, statistical, and physical ideas of entropy. Geometric ideas in thermodynamics, statistical physics, and kinetics, geometry of data analytics in high dimensions, ideas of statistical physics in geometry, and mathematical backgrounds of all these approaches are very welcome. We are looking for new ideas and methods to support emerging and fast developing areas, like Artificial Intelligence and Smart Materials, and for solutions to classical problems such as efficient model reduction in kinetic systems. We also encourage authors to supplement articles with real-world applications whenever possible.

### Guest Editors

Prof. Dr. Alexander Gorban

Department of Mathematics, University of Leicester, Leicester LE1 7RH, UK

Prof. Dr. Miroslav Grmela

Department of Chemical Engineering, Polytechnique Montréal, Montreal, QC, Canada

### Deadline for manuscript submissions

closed (16 February 2020)

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**Impact Factor 2.1**
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*Entropy*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

## 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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