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# Entropy in Dynamic Systems II

Guest Editor:

#### Prof. Dr. Jan Awrejcewicz

Faculty of Mechanical Engineering, Lodz University of Technology, 90-924 Łódź, Poland

Deadline for manuscript submissions: closed (31 July 2023)

### Message from the Guest Editor

In order to measure and quantify the complex behavior of real-world systems, either novel mathematical approaches or modifications of classical ones are required to precisely predict, monitor and control complicated chaotic and stochastic processes governed by difference and differential (ordinary and partial) equations, algebraicdifferential equations, integral-differential equations and equations with time delay. Though the roots of dynamical entropy are associated with the names of influential mathematicians, such as Kolmogrov, Sinai, Shannon, Krieger, Orstein, and Dinsburg, nowadays, it wandered to different branches of pure and applied sciences, and it possesses various meanings.









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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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*Entropy* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/entropy entropy@mdpi.com X@Entropy\_MDPI