



entropy



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Application of Information-Theoretic Concepts in Bio-, Environmental and Engineering Science Research

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Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to encourage interested researchers in engineering science disciplines, industrial engineering, as well as in bio-, geo-, and environmental sciences to present original and recent developments on interfacing information-theoretic concepts with:

- model selection and data analysis;
- prediction and design methods;
- reliability, safety, and risk analysis;

in their research work. We particularly welcome novel applications of these concepts for:

- designing water, energy, and telecommunication networks;
- statistical process control in industrial manufacturing;
- predicting natural hazards and climate change processes;
- signal processing in biological networks;
- remote sensing in agriculture and forestry.

Prof. Dr. Jürgen Pilz

Guest Editor



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Special Issue



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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.

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