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Applications of Information Theory in the Geosciences

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2016)

Message from the Guest Editor

Dear Colleagues,

Information Theory is gaining many new applications in broad areas of Science, particularly the in the domain of Complex Adaptive Systems. These new applications often blend theoretical developments of Information Theory with innovative applications to complex-systems problems in the geosciences. This special issue specifically emphasizes research that addresses Geoscience problems using Information Theory approaches, by introducing a novel development of Information Theory for specific applications, and/or by solving a new Geoscience problem using the tools of Information Theory. Submissions at the boundaries of Information Theory, the Geosciences, and other disciplines are also welcome.

Prof. Benjamin L. Ruddell
Guest Editor

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Editor-in-Chief

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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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