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Time Series Forecasting in Physical Geography

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Message from the Guest Editors

In the last several years, time series forecasting via machine learning-based models, statistical-based models, and physically-based models has been rapidly providing solutions to many outstanding problems in the field of physical geography. In the field of physical geography, the artificial intelligence-based solution approach has indisputable advantages, and researchers have also been trying to solve environmental problems via the application of new technologies in time series forecasting. There are some linear and non-linear relationships in physical geography components (e.g., the water cycle) that can be simulated by observing symmetry and finding relationships between geographic variables. Due to the complex nature of physical geographic variables, it is important to consider symmetry in the time series forecasting of these variables...



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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