

SCIENTIFIC MACHINE LEARNING FOR GEOPHYSICAL APPLICATIONS

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MINISYMPOSIUM

This mini-symposium focuses on scientific machine learning (ML) methods for geophysical applications for both Earth- and space-borne applications. These include earthquake science, weather, climate, ocean sciences/engineering, and oceanography, as well as solar physics, and space weather, among others. Novel scientific ML methods, and benchmarking against established techniques are sought for, as well as applications of scientific ML to new applications. The aim of this mini-symposium is to provide a platform for investigators to disseminate and discuss scientific ML methods within the broad area of geophysics on both Earth- and space-related applications. Interdisciplinary data-driven methods and their integration with scientific machine learning, along with new ideas in terms of efficient software implementation are encouraged. Novel datasets for benchmarking scientific machine learning techniques are also welcome.