

Special Issue

Recent Advances in Quantum Machine Learning

Message from the Guest Editors

This Special Issue invites contributions that explore the full spectrum of recent advances in quantum machine learning, including, but not limited to, novel quantum learning algorithms, hybrid quantum–classical models, quantum optimization methods, theoretical analyses using information and entropy measures, and practical implementations on near-term quantum devices. We welcome both theoretical and applied work and encourage submissions that bridge quantum information theory with machine learning practice.

- quantum machine learning
- variational quantum circuits
- quantum neural networks
- hybrid quantum–classical models
- quantum optimization
- quantum gradient descent
- quantum information theory
- quantum entropy
- near-term quantum devices
- quantum computing

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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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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