

Special Issue

Machine Learning Applied to Prediction of Brittle Fracture Processes

Message from the Guest Editors

This Special Issue concentrates on gathering the latest and greatest advances in the application of machine learning techniques to the resolution, study, and classification of fracture processes (initiation, propagation, arrest, interaction, etc.) in brittle materials. Original contributions from engineers, mechanical materials scientists, computer scientists, physicists, chemists, and mathematicians are encouraged. Both experimental and theoretical papers are welcome.

Keywords

- Fracture
- Fragmentation
- Machine learning
- Data assimilation
- Parameter sensitivity
- Brittle materials
- Reduced-order models

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closed (31 October 2019)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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