

## 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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### Guest Editors

Dr. Esteban Rougier

Earth and Environmental Sciences Division, Los Alamos National Laboratory, Los Alamos, NM 87545, USA

Dr. Abigail Hunter

Computational Physics Division, Los Alamos National Laboratory, USA

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### Deadline for manuscript submissions

closed (31 October 2019)



## Applied Sciences

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CiteScore 5.5



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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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