

## Special Issue

# Fracture and Fatigue Assessments of Structural Components

### Message from the Guest Editor

Dealing with fracture and fatigue assessments of structural components, different approaches have been proposed in the literature. They are usually divided into three subgroups: Stress-based, strain-based and energy-based criteria. The aim of this Special Issue is to provide an update to the state-of-the-art on these approaches. The topics which deserve particular interest for this Special Issue are: Applications to new advanced materials, such as additive materials; applications to complex and real structures; recent advanced criteria for fracture and fatigue predictions under complex loading conditions, such as multiaxial constant amplitude and random fatigue loadings.

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### Guest Editor

Dr. Alberto Campagnolo  
Department of Industrial Engineering, University of Padova, Padova, Italy

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### Deadline for manuscript submissions

closed (31 March 2020)



## Applied Sciences

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## About the Journal

### 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,  
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