



## Modeling and Analysis of Damage and Failure of Concrete-Like, Brittle and Quasi-brittle Materials

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Dear Colleagues,

Modeling and analysis of damage and failure of materials and structures is an active and persistent challenge in computational mechanics, materials, and various scientific and industrial fields. This Special Issue provides an informative and stimulating forum to enhance academic communications on this challenging topic, focusing on the development and applications of computational theories, numerical and experimental methods, models, and algorithms for modeling and analyzing damage and failure of concrete-like, brittle, and quasi-brittle materials and structures.

Potential topics include—but are not limited to—failure mechanisms and experimental and numerical analyses of concrete-like, brittle, and quasi-brittle materials and structures; multi-scale models and methods for deformation and failure analysis; fluid–structure interaction; concrete corrosion; durability of concrete-like materials and structures; thermomechanical coupling and other multi-physics fracture modeling; dynamic fracture studies; numerical methods and approaches for damage and failure modeling; and data-driven computational mechanics and modeling.





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## Message from the Editor-in-Chief

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