



materials



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Deformation, Fatigue and Fracture of Materials

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Message from the Guest Editor

Aim of this Special Issue is to provide an update to the state-of-the-art on these problems, showing a clear link between material micro-nano behavior and the behavior of a real structure. Multiscale approaches are usually employed to capture these features in a unified way. Recent advanced criteria for fracture and fatigue predictions are fully considered in this Special Issue, keeping in mind the introduction and use of new advanced materials as additive materials, functionally graded materials, and multifunctional materials.

Keywords

- local approaches
- fatigue assessment
- advanced design
- multiscale approach
- new materials



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Special Issue



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Message from the Editor-in-Chief

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