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Deformation, Fatigue and Fracture of Materials

Guest Editor:

Prof. Dr. Filippo Berto

Department of Chemical
Engineering, Materials and
Environment, Sapienza University
of Rome, 00184 Rome, Italy

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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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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