



Viscoelastic Solids: Mechanical Behaviour, Contact Mechanics, Fracture and Wear

Guest Editors:

Prof. Dr. Giuseppe Carbone

Department of Mechanics,
Mathematics and Management,
Polytechnic University of Bari,
Bari, Italy

Dr. Carmine Putignano

Department of Mechanics,
Mathematics and Management,
Politecnico di Bari, 70126 Bari,
Italy

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Message from the Guest Editors

Dear Colleagues,

Assessing the mechanics and the physics of viscoelastic solids is a crucial issue in current engineering research and in applied science. Indeed, a variety of physical phenomena, including inter alia friction, adhesion, wear, are deeply influenced by viscoelasticity and determine in turn the behavior and the efficiency of a number of engineering systems, like adhesives, protective coatings, tires, seals, brakes, and clutches.

We invite authors to submit original research and review articles, which stimulate the continuing efforts to understand and improve the knowledge in these fields. Potential topics include, but are not limited to:

- rheology and mechanical behavior of viscoelastic solids
- fracture, fatigue and wear of viscoelastic materials
- contact, lubrication and friction of viscoelastic randomly rough and micro- and nano-structured surfaces
- contact failures of biomimetic materials and surfaces
- adhesive contacts
- advanced numerical techniques to study contact and friction of randomly rough surfaces





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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

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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Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
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