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

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Deadline for manuscript submissions:

closed (30 November 2017)

### **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**

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## **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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