Special Issue

Optical Methods in Applied Mechanics

Message from the Guest Editor

I am pleased to announce the Special Issue "Optical Methods in Applied Mechanics", which will appear in *Applied Sciences* this year. Currently, many issues are being addressed and solved by automated and user-friendly optical methods. Optical methods allow us to perform full-field displacement and strain analysis of structures under static or dynamic loading. Due to their noncontact nature, they do not influence the response of the investigated objects. Therefore, the results obtained by optical methods represent reality, and can be used to validate computational models. This Special Issue intends to collect advances in the development and use of full-field optical methods such as digital image correlation, photoelasticity, holography, speckle interferometry etc. It is open to innovative contributions involving but not limited to the following topics: solid mechanics, structural dynamics, fatigue and fracture, mechanics of composite materials, residual stress quantification, and experimental fluid mechanics. I would be delighted if you submit an article for this Special Issue or inform your colleagues working in applied mechanics about this Special Issue.

Guest Editor

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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.

Editor-in-Chief

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