

## Special Issue

# Brillouin Scattering and Optomechanics

### Message from the Guest Editors

The science of the interaction of sound and light, including acousto-optics, has recently witnessed the emergence of new topics and directions that lead to novel fundamental effects and applications. Optomechanical structures, including phoxonic crystals—also known as simultaneous photonic and phononic crystals—are presently being investigated in order to obtain very efficient interactions in tiny volumes. They allow for the control of phonons with photons, but also for ultimate sensing applications. Concurrently, opto-acoustical interactions in micro- and nanoscale optical resonators, fibers, and waveguides are being seen in a new light thanks to new materials and structures, leading to a renewed view of Brillouin scattering.

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### Guest Editors

Dr. Jean-Charles Beugnot

Dr. Vincent Laude

Dr. Thibaut Sylvestre

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### Deadline for manuscript submissions

closed (31 May 2018)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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