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# **Experimental Mechanics of Micro-Nano Scale Spectroscopy**

Guest Editor:

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closed (20 November 2022)

# **Message from the Guest Editor**

The experimental investigation on mechanical behavior around various new materials and structures is a hot field in materials science and engineering, which requires the continuous development of new methods technologies of experimental mechanics. In recent years, micro and nano spectral technologies, such as microspectroscopy and micro fluorescence spectroscopy, have seen many influential achievements in frontier applications of mechanical studies. A new subbranch of experimental mechanics is forming, namely, spectral experimental mechanics. This Special Issue intends to gather the recent results of spectral in the methodological research technologies experimental mechanics and the frontier field mechanics at the micro and nano scale. We look forward to contributions including, but not limited to, the following fields

- Experimental theory of spectral–mechanical characterization;
- New methods or techniques of mechanical measurement using spectroscopy;
- New development of spectral instruments for the experimental study of mechanics;
- Application of spectral analysis on the mechanical behaviors of advanced materials.













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# **Message from the Editor-in-Chief**

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