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Theory and Design of Vibration Sensing and Gyroscopic Systems

Guest Editor:

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Deadline for manuscript submissions:

closed (15 February 2023)

Message from the Guest Editor

This Special Issue is aimed at reporting new research directions for one of the most useful sensors to emerge this century. Vibratory angular rate sensors, also referred to as Coriolis Vibratory Gyroscopes (CVG), have found several engineering applications in inertial navigation and stabilization for military, aerospace as well as entertainment industries. Thus far, this class of sensors has made the most noteworthy use of the Coriolis acceleration (or its inertial force counterpart), originally observed by the French scientist Gaspard-Gustave Coriolis. Original as well as review articles in the areas of mechanics, component design, fabrication as well as testing are welcome. Research on structural configurations related to resonator design/fabrication, frequency tuning, characterization and other pertinent areas associated with both micro-scale (MEMS-based) as well as macro-scale sensors are encouraged.



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Special Issue



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Message from the Editor-in-Chief

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