



## Gyroscopes and Accelerometers

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### Message from the Guest Editors

Dear Colleagues,

Inertial sensors, such as gyroscopes and accelerometers, are important components of inertial measurement units (IMUs). Inertial sensors provide an output that is proportional to angular velocity or angular acceleration. The output signal is corrupted by additive noise plus a random drift component. Many modeling, sensor fusion and calibration techniques are used to estimate and remove sensor bias. The objective of this Special Issue is to present significant work in this field. Papers will address wide range of applications such as gyroscope and accelerometer error modeling, modeling of array of low-cost sensors, calibration, bias estimation with Kalman filter or other techniques, GPS and/or other long-term bias-free integration methods with IMUs.

Dr. Ahmed Zaki  
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*Guest Editors*





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## Message from the Editor-in-Chief

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