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## Attitude Sensors

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Deadline for manuscript  
submissions:

**closed (30 September 2020)**

### Message from the Guest Editor

Dear Colleagues,

Attitude, that is, the knowledge of the pointing orientation in space, is the most important information for any space vehicle. The performance of space communication, observation, and navigation systems all strongly depend on how fast, reliably, and optimal the attitude information is estimated to be. This estimation comes from attitude sensors through two subsequent processes: (1) sensor data processing and (2) attitude estimation. These are the two tracks of this Special Issue on “Attitude Sensors”.

**Track I: Sensor data processing**. This track is particularly interested in novel ideas of attitude sensors and new approaches to increase measurement accuracy and robustness as, for instance, techniques to perform star-identification with poor knowledge of star tracker parameters and autonomous recalibration.

**Track II: Attitude Estimation**. This track welcomes new contributions related to both single-point and filtered attitude determination techniques. This involves, for instance, the use of dual quaternions or SVD filtering to estimate attitude and attitude rate.

Prof. Dr. Daniele Mortari

*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

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