



Sensors and Methods for Dynamic Measurement

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Message from the Guest Editors

In dynamic measurement, the measurand varies during the observation time, and the investigation of such variations is the main goal. This is the object of increasing attention today, due to its application importance and to the scientific and technological challenges it poses. Main current investigation topics include:

- New or improved sensors or measuring principles;
- Dynamic calibration, shock testing;
- Methods for improving the quality of the results (dynamic compensation, filtering) and for uncertainty evaluation;
- Methods for highlighting the useful information (spectrum analysis, parametrical identification, modal analysis);
- Dynamic assessment in social sciences;
- Special application areas, such as vibrations and vibro-acoustics, biomechanics of human movement, full-scale monitoring of civil structures, aerodynamics and wind tunnel testing, unsteady fluid dynamics, image-based measurements.





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Message from the Editor-in-Chief

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