

Special Issue "Sensors in Automatic Control Systems"

Announcement from the Editorial Board of the A&SE journal

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Deadline for manuscript submissions: **30 April 2022**.

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SPECIAL ISSUE EDITOR

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Guest Editor

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Interests: sensors in automatic control systems; sensors in robotics; smart sensors; fast measurements; accuracy; dynamic error

SPECIAL ISSUE INFORMATION

Dear Colleagues,

Sensors in automation and robotic devices are very important. Their speed, accuracy, and measurement range in an essential part determine the characteristics of the entire automation device or robotics as a whole. The development of methods and measuring instruments for this reason determine the progress in this direction of technology. Such sensors should have the highest possible response speed and high accuracy, reliability, reproducibility of their characteristics, low noise, and displacement. The scientific exchange of information on the latest advances in high-speed sensors and their applications is extremely relevant. Of interest are reports on the expansion of the scope of sensors and on methods for improving them, as well as on technologies for creating new sensors, methods of their certification, calibration, and so on.

The purpose of this Special Issue is to present the latest advances in technology for the creation and use of physical sensors. Contributions to all areas of metrology are welcomed, including new measurement signal processing methods, sensor activation methods, methods to improve their accuracy, smart sensors, and new applications. Those include but are not limited to:

- Sensors;
- Measurements in robotics;
- Measurements in automation;
- Autonomous control systems;
- Smart sensors;
- Multichannel sensors;
- Sensors of many values;
- Active and passive measurement methods;
- New algorithms and methods for processing sensor signals;
- Methods to improve the accuracy of measurements.

Dr. Vadim Zhmud

Guest Editor

Manuscript Submission Information

Manuscripts should be submitted online at www.mdpi.com by [registering](#) and [logging in to this website](#). Once you are registered, [click here to go to the submission form](#). Manuscripts can be submitted until the deadline. All papers will be peer-reviewed. Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as

short communications are invited. For planned papers, a title and short abstract (about 100 words) can be sent to the Editorial Office for announcement on this website.

Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly refereed through a single-blind peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the [Instructions for Authors](#) page. **Sensors** is an international peer-reviewed open access semimonthly journal published by MDPI.

Please visit the [Instructions for Authors](#) page before submitting a manuscript. The [Article Processing Charge \(APC\)](#) for publication in this [open access](#) journal is 2200 CHF (Swiss Francs). Submitted papers should be well formatted and use good English. Authors may use MDPI's [English editing service](#) prior to publication or during author revisions.

KEYWORDS

- sensors
- robotics
- automatic control
- automation

PUBLISHED PAPERS

This special issue is now open for submission.