applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

# Optical In-Process Measurement Systems

Guest Editor:

**Prof. Dr. Andreas Fischer**
Bremen Institute for Metrology,
Automation and Quality Science
(BIMAQ), University of Bremen,
28359 Bremen, Germany

Deadline for manuscript submissions:
**closed (1 January 2022)**

## Message from the Guest Editor

We are interested in articles that investigate in-process measurements by means of optical principles (VIS, IR, UV). Potential topics include, but are not limited to, the following:

- innovative measurement principles using visible, infrared, or ultraviolet light;
- model-based measurement approaches and/or data fusion that enable new measurands;
- scaling of the measurement range from the lab to the app;
- knowledge extraction from less-reproducible in-process measurement conditions;
- fast measurements using scanning and multiplexing techniques;
- measurement systems with adaptive components;
- investigation and correction of cross-sensitivities;
- limits of measurability by studying the minimal achievable measurement uncertainty;
- novel findings about the investigated process due to in-process measurements;
- application case studies; and
- applicability of a single measurement principle for different in-process applications and vice versa.

Original work highlighting the latest research and technical development is encouraged, but review papers and comparative studies are also welcome.

mdpi.com/si/63919

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.
**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

*Applied Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci