



## Eye Tracking Sensors Data Analysis with Deep Learning Methods

Guest Editor:

**Dr. Pawel Kasprowski**

Department of Applied  
Informatics, Silesian University of  
Technology, Akademicka 16, 44-  
100 Gliwice, Poland

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### Message from the Guest Editor

Eye tracking has many applications, including psychology, cognitive science, neurology, ophthalmology, marketing, and human–computer interfaces. There are many different eye-tracking sensors measuring video signals, electric potential, light reflection, or coil movement. The aim of this Special Issue is to gather different applications of deep learning and machine learning techniques that may be used for data obtained from eye tracking sensors.

We expect valuable papers that show novel machine learning methods for eye movement data analysis in different areas, including (but not limiting to):

- data acquisition (feature-based and appearance-based methods);
- calibration (explicit and implicit);
- events detection (such as fixations and saccades);
- analysis of the processed signal to detect saliency;
- finding differences among people;
- finding differences depending on stimuli;
- analyzing the influence of other properties such as tiredness or anxiety.





*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 Bari, Italy

## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

## Author Benefits

**Open Access** : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility**: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)