Special Issue

Eye Tracking Sensors Data Analysis with Deep Learning Methods

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.

Guest Editor

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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.

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