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Eye Tracking Sensors Data Analysis with Deep Learning Methods

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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.



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Special Issue



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Message from the Editor-in-Chief

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