Special Issue

Eye-Tracking Techniques and Its Applications

Message from the Guest Editors

This Special Issue's focus is to present breakthroughs in eye-tracking hardware and software and to discuss the development of more accurate and user-friendly eye-tracking systems; it also seeks to explore how eye-tracking can enhance user experience, product design, and interactive systems. Moreover, it aims to explore novel methods for data collection, analysis, and interpretation in eye-tracking studies, highlighting techniques to improve the accuracy and reliability of eye-tracking data. Furthermore, the application of eye-tracking technology spans a wide range of disciplines, including psychology, neuroscience, marketing, education, and HCI. Topics include but are not limited to:

- Technical developments in eye-tracking hardware and software
- Innovations in calibration and validation techniques
- Novel algorithms and models for the interpretation of eye-tracking data
- HCI and Educational technology using eye-tracking
- Integration of eye-tracking with virtual reality
- Clinical and medical applications of eye-tracking
- Practical challenges and solutions for conducting eye-tracking studies in real-world settings.

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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.

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