

## Special Issue

# The Future Challenges of Eye Tracking Technologies

### Message from the Guest Editors

This Special Issue aims to garner empirical research, methodological developments, and applied studies that demonstrate how eye movement measures contribute to understanding and improving human performance. Contributions may address questions of usability, training, safety, clinical assessment, or design evaluation where eye tracking serves as the primary input or a complementary research tool. Research areas may include (but are not limited to) the following:

- Eye tracking in transportation contexts, including driving, aviation, maritime operations, and rail.
- Gaze-based evaluations of human-computer interfaces, digital products, and interactive systems.
- Methods for the gaze-based modeling of human behavior and performance.
- Clinical and healthcare applications, including diagnostic screening, surgical performance, and patient assessment.
- Eye tracking in educational settings, training environments, and simulation-based learning.
- Applications in process control, industrial inspection, and safety-critical operations.
- Media, advertising, and visual communication research.
- Sport performance analysis and expertise studies.
- Consumer behavior and retail research.

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### Guest Editors

Dr. Nathan Lau  
Dr. Brendan David-John  
Michael Hildebrandt

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### Deadline for manuscript submissions

31 August 2026



## Journal of Eye Movement Research

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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