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Development of Advanced Eye-tracking Technologies and Applications

Guest Editor:

Prof. Dr. Moshe Eizenman

Department of Ophthalmology and Vision Sciences, Department of Electrical and Computer Engineering, Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, ON, Canada

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Message from the Guest Editor

Eye tracking technology is being used in research domains that include neuroscience, psychology, ophthalmology, human factors and marketing. Applications in these domains have been demonstrated largely by experts using specialized and expensive technology. Recent technological advances in computational resources and sensors make it feasible to implement eye-tracking technology on general-purpose low-cost platforms that are widely available. Moreover, advances in machine learning algorithms and visualization techniques improve the capacity to extract information from eye movements and visual scanning patterns. The combined effect of these two technological advances support expanded use of eye tracking technology in vision research, clinical diagnosis and man-machine interfaces.



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Special Issue



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Editor-in-Chief

Prof. Dr. Andrew Parker

Department of Physiology,
Anatomy and Genetics, University
of Oxford, Oxford OX1 3PT, UK

Message from the Editor-in-Chief

Vision research has developed tremendously over the last years and has been well served by some of the available journals. We feel that a new journal, with no historical or societal affiliations, offers a chance for a broad interdisciplinary coverage and a means of highlighting the increasing number of interesting results and ideas. We are therefore convinced that the launch of a truly interdisciplinary journal in the area of vision science is worthwhile, timely and necessary. *Vision* is a journal for, and by, all vision scientists, committed to the advancement of their field of interest.

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Contact Us

Vision Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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