

Krista A. Ehinger

Senior Lecturer, School of Computing and Information Systems
University of Melbourne

Melbourne Connect, floor 3, 3333
700 Swanston St, Parkville VIC 3010 Australia
+61 3 90354962

kehinger@unimelb.edu.au | www.kehinger.com

Citizenship: USA, Permanent Resident: Canada, Australia

Education

- 2007-2013 Massachusetts Institute of Technology, Ph.D. in Cognitive Science
Advisor: Dr. Ruth Rosenholtz
Thesis: *Visual features for scene recognition and reorientation*
- 2004-2007 University of Edinburgh, B.Sc. (Hons) in Psychology
Advisor: Dr. James Brockmole
Thesis: *Role of low- and high-spatial-frequency information in real-world scene contextual cueing*
- 1999-2003 California Institute of Technology, B.S. in Engineering & Applied Science

Professional Appointments

- 2019- Senior Lecturer in Digital Health
School of Computing and Information Systems
University of Melbourne, Melbourne, Australia
- 2016-2019 Postdoctoral Fellow, Human and Computer Vision Laboratory
PI: Dr. James Elder
Centre for Vision Research, York University, Toronto, Canada
- 2016 Independent contractor, data analysis and statistics
Digital Cognition Technologies, 210 Bear Hill Rd, Waltham, USA
- 2014-2015 Instructor, Department of Brain & Cognitive Sciences
Massachusetts Institute of Technology, Cambridge, USA
- 2013-2016 Postdoctoral Fellow, Visual Attention Lab
PI: Dr. Jeremy Wolfe
Harvard Medical School and Brigham & Women's Hospital, Cambridge, USA

Grants & Fellowships

| | |
|-----------|--|
| 2021-2024 | DP210100433 "Heat transfer and fluid flow in geomaterials: Physics-inspired AI framework" (\$388,735 AUD) |
| 2021 | MEL/BER Partnership Program "Artificial Intelligence to advance Cognitive Training Adherence and Compliance at Home (AI-COACH)" (\$81,725 AUD) |
| 2020 | MSE Platform Interdisciplinary Grant "Reducing risk and improving safety on construction sites by computer vision and AI" (\$30,000 AUD) |
| 2017-2019 | Vision: Science to Applications (VISTA) Postdoctoral Fellowship, York University |
| 2012-2013 | P.E.O. Scholar Award, Philanthropic Educational Organization |
| 2009-2012 | Graduate Research Fellowship, National Science Foundation |

Awards & Honors

| | |
|------|--|
| 2019 | Facebook Reality Labs award for best Human Vision poster, ICPV2019 (2 nd place) |
| 2011 | Walle Nauta Award for Continued Dedication to Teaching |
| 2010 | Angus MacDonald Award for Excellence in Undergraduate Teaching |
| 2009 | Elsevier/Vision Research Travel Award |
| 2008 | NSF Graduate Research Fellowship Honorable Mention |
| 2007 | NSF Graduate Research Fellowship Honorable Mention |
| 2007 | Drever Prize (top undergraduate in Psychology), University of Edinburgh |

Publications

Anderson, M., Graf, E. W., Elder, J. H., **Ehinger, K. A.**, & Adams, W. J. (2021). Category systems for real-world scenes. *Journal of Vision*.

Zhang, R., Madumal, P., Miller, T., **Ehinger, K. A.**, & Rubinstein, B. I. P. (2021). *Invertible concept-based explanations for CNN models with non-negative concept activation vectors*. AAAI Conference on Artificial Intelligence (AAAI).

Rashidi, S., **Ehinger, K. A.**, Turpin, A., & Kulik, L. (2020). Optimal visual search based on a model of target detectability in natural images. *Neural Information Processing Systems (NeurIPS)*.

Spratley, S., **Ehinger, K. A.**, & Miller, T. (2020). A closer look at generalisation in RAVEN. *European Conference on Computer Vision (ECCV)*.

Zhang, J., Fang, S., **Ehinger, K. A.**, Haikun, W., Yang, W., Zhang, K., & Yang, J. (2018). Hypergraph optimization for salient region detection based on foreground and background queries. *IEEE Access*, 6, 26729-26741.

Ehinger, K. A., Adams, W. J., Graf, E. W., & Elder, J. H. (2017). Local depth edge detection in humans and deep neural networks. *International Conference on Computer Vision (ICCV) Workshop on Mutual Benefits of Cognitive and Computer Vision*, 2681-2689.

Aizenman, A. M., Drew, T., **Ehinger, K. A.**, Georgian-Smith, D., & Wolfe, J. M. (2017). Comparing search patterns in digital breast tomosynthesis and full-field digital mammography: an eye tracking study. *Journal of Medical Imaging*, 4(4):045501, doi: 10.1117/1.JMI.4.4.045501.

Ehinger, K. A. & Rosenholtz, R. (2017). A general account of peripheral encoding also predicts scene perception performance. *Journal of Vision*, 16:13, doi:10/1167/16.2.13.

Zhang, J., **Ehinger, K. A.**, Wei, H., Zhang, K., & Yang, J. (2017). A novel graph-based optimization framework for salient object detection. *Pattern Recognition*, 64(C), 39-50.

Ehinger, K. A. & Wolfe, J. M. (2016). When is it time to move to the next map? Optimal foraging in guided search. *Attention, Perception & Psychophysics*, 78(7), 2135-2151.

Ehinger, K. A., Allen, K., & Wolfe, J. M. (2016). Change blindness for cast shadows in natural scenes: Even informative shadow changes are missed. *Attention, Perception & Psychophysics*, 78(4), 978-987.

Xiao, J., **Ehinger, K. A.**, Hays, J., Torralba, A., & Oliva, A. (2016). SUN Database: Exploring a large collection of scene categories. *International Journal of Computer Vision*, 119(1), 3-22.

Sareen, P., **Ehinger, K. A.**, & Wolfe, J. M. (2016). A Change Detection Database for objects in natural indoor scenes. *Behavior Research Methods*, 48(4), 1343-1348.

Sareen, P., **Ehinger, K. A.**, & Wolfe, J. M. (2015). Through the looking-glass: Objects in the mirror are less real. *Psychonomic Bulletin & Review*, 22(4), 980-986.

Zhang, J., **Ehinger, K. A.**, Ding, J., & Yang, J. (2014). A prior-based graph for salient object detection. *Proc. 21st IEEE International Conference on Image Processing (ICIP)*.

Xiao, J., Hays, J., Russell, B. C, Patterson, G., **Ehinger, K. A.**, Torralba, A., & Oliva, A. (2013). Basic level scene understanding: Categories, attributes and structures. *Frontiers in Psychology*, 4. doi: 10.3389/fpsyg.2013.00506

Xiao, J., **Ehinger, K. A.**, Oliva, A., & Torralba, A. (2012). Recognizing scene viewpoint using panoramic place representation. *Proceedings of 25th IEEE Conference on Computer Vision and Pattern Recognition*.

Goujon, A., Brockmole, J. R., & **Ehinger, K. A.** (2012). How visual and semantic information influence learning in familiar contexts. *Journal of Experimental Psychology: Human Perception and Performance*, 38, 1315-1327.

Rosenholtz, R., Huang, J., & **Ehinger, K. A.** (2012). Rethinking the role of top-down attention in vision: Effects attributable to a lossy representation in peripheral vision. *Frontiers in Consciousness Research*, 3. doi: 10.3389/fpsyg.2012.00013

Ehinger, K. A. & Oliva, A. (2011). Canonical views of scenes depend on the shape of the space. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 2114-2119). Austin, TX: Cognitive Science Society.

Ehinger, K. A., Xiao, J., Torralba, A., & Oliva, A. (2011). Estimating scene typicality from human ratings and image features. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 2562-2567). Austin, TX: Cognitive Science Society.

Ehinger, K. A. & Altschuler, E. L. (2011). What did the early American presidents really look like? Gilbert Stuart portraits as a "Rosetta Stone" to the pre-photography era. *Perception*, 40(1), 91-94.

Xiao, J., Hays, J., **Ehinger, K. A.**, Oliva, A., & Torralba, A. (2010). SUN Database: Large scale scene recognition from abbey to zoo. In *Proc. 23rd IEEE Conference on Computer Vision and Pattern Recognition*, 3485-3492.

Judd, T., **Ehinger, K.**, Durand, F., Torralba, A. (2009). Learning to predict where people look. In *12th IEEE International Conference on Computer Vision*, 2106-2113.

Ehinger, K. A., Hidalgo-Sotelo, B., Torralba, A., & Oliva, A. (2009). Modeling search for people in 900 Scenes: A combined source model of eye guidance. *Visual Cognition*, 17, 945-978.

Ehinger, K. A. & Brockmole, J. R. (2008). The role of color in visual search in real-world scenes: Evidence from contextual cueing. *Perception & Psychophysics*, 70(7), 1366-1378.

Manuscripts

Xu, P., **Ehinger, K. A.**, Zhang, Y., Finkelstein, A., Kulkarni, S. R., & Xiao, J. (2015). TurkerGaze: Crowdsourcing saliency with webcam based eye tracking. arXiv:1504.06755.

Xiao, J., Russell, B. C., Hays, J., **Ehinger, K. A.**, Oliva, A., & Torralba, A. (2012). Basic level scene understanding: From labels to structure and beyond. In *SIGGRAPH Asia 2012 Technical Briefs (SA '12)*, Article 36. ACM: New York, NY.

Conference Presentations

2020

Rashidi, S., **Ehinger, K. A.**, Turpin, A., & Kulik, L. (2020). Optimal visual search based on a model of target detectability in natural images. Poster presented at Neural Information Processing Systems (NeurIPS).

Spratley, S., **Ehinger, K. A.**, & Miller, T. (2020). A closer look at generalisation in RAVEN. Poster presented at European Conference on Computer Vision (ECCV).

2019

Ehinger, K. A., Qian, Y., Wilcox, L. M., & Elder, J. M. (2019). Influence of 2D shape on contour depth perception. Poster presented at the International Conference on Predictive Vision, June 13, 2019.

Vilankar, K., Xiang, H., **Ehinger, K. A.**, Adams, W. J., Graf, E. W., & Elder, J. H. (2019). Monocular depth discrimination in natural scenes: Humans vs. deep networks. Poster presented at Vision Sciences Society annual meeting, May 20, 2019.

Ehinger, K. A., Qian, Y., Wilcox, L. M., & Elder, J. M. (2019). Influence of 2D shape on contour depth perception. Talk presented Vision Sciences Society annual meeting, May 18, 2019.

2018

Ehinger, K. A. (2018). Motion Processing. Talk presented at CVPR 2018 Tutorial: A Crash Course in Computer Vision, June 18, 2018.

Ehinger, K. A. (2018). Perceiving Depth and Size. Talk presented at CVPR 2018 Tutorial: A Crash Course in Computer Vision, June 18, 2018.

Ehinger, K. A., Adams, W. J., Graf, E. W., & Elder, J. H. (2018). Use of local image information in depth edge classification by humans and neural networks. Poster presented at Vision Sciences Society annual meeting, May 19, 2018.

Ehinger, K. A., Adams, W. J., Graf, E. W., & Elder, J. H. (2018). Use of local image information in depth edge classification by humans and neural networks. Talk presented at MODVIS (Computational and Mathematical Models in Vision), May 17, 2018.

2017

Ehinger, K. A., Adams, W. J., Graf, E. W., & Elder, J. H. (2017). Detecting depth edges in spherical imagery with LiDAR ground truth. Talk presented at 2017 GIS in Education and Research Conference, Oct. 11, 2017.

Ehinger, K. A., Joseph, K. T., Adams, W. J., Graf, E. W., & Elder, J. H. (2017). Detecting depth edges in real-world scenes with 3D ground truth. Poster presented at 2017 CVR International Conference on Vision in the Real World, June 15, 2017.

Ehinger, K. A., Joseph, K. T., Adams, W. J., Graf, E. W., & Elder, J. H. (2017). Learning to identify depth edges in real-world images with 3D ground truth. Poster presented at Vision Sciences Society annual meeting, May 20, 2017.

Ehinger, K. A., Joseph, K. T., Adams, W. J., Graf, E. W., & Elder, J. H. (2017). Learning to identify depth edges in real-world images with 3D ground truth. Talk presented at MODVIS (Computational and Mathematical Models in Vision), May 19, 2017.

2016

Ehinger, K. A. & Wolfe, J. M. (2016). How is visual search guided by shape? Using features from deep learning to understand preattentive "shape space". Poster presented at Vision Sciences Society annual meeting, May 15, 2016.

Micheletto, R., **Ehinger, K. A.**, & Wolfe, J. M. (2016). Role of simple primitive shapes in complex distractors: Do shared features affect search times? Poster presented at Vision Sciences Society annual meeting, May 15, 2016.

Wolfe, J. M., Aizenman, A., Park, J., & **Ehinger, K. A.** (2016). How did you hide my bunny? Using a genetic algorithm to investigate preattentive processing of shape in visual search. Talk presented at Vision Sciences Society annual meeting, May 15, 2016.

2015

Mullins, R. S., **Ehinger, K. A.**, Aizenmann, A. M., Weiss, C. A., Wolfe, J. M., Fouse, A., & Pfautz, S. (2015). Geographic analysis in context: A visual search task comparing zooming metaphors. Paper session at North American Cartographic Information Society (NACIS) annual meeting, Oct. 15, 2015.

Aizenman, A. M., Thompson, M. B., **Ehinger, K. A.**, & Wolfe, J. M. (2014). Visual search through a 3D volume: Studying novices in order to help radiologists. Talk presented at Vision Sciences Society annual meeting, May 19, 2015.

Ehinger, K. A. & Wolfe, J. M. (2015). Foraging in satellite imagery: When is it time to move to the next map? Talk presented at Vision Sciences Society annual meeting, May 18, 2015.

Josephs, E., Cain, M. S., Hidalgo-Sotelo, B., Cook, G., Chang, N., **Ehinger, K. A.**, Oliva, A., Wolfe, J. M. (2015). When is stereopsis useful in visual search? Poster presented at Vision Sciences Society annual meeting, May 20, 2015.

Wolfe, J. M., Cain, M. S., **Ehinger, K. A.**, & Drew, T. (2014). Guided Search 5.0: Meeting the challenge of hybrid search and multiple-target foraging. Talk presented at Vision Sciences Society annual meeting, May 19, 2015.

Xiao, J., Xu, P., Zhang, Y., **Ehinger, K. A.**, Finkelstein, A., & Kulkarni, S. (2015). What can we learn from eye tracking data on 20,000 images? Poster presented at Vision Sciences Society annual meeting, May 18, 2015.

2014

Ehinger, K. A. & Wolfe, J. M. (2014). Foraging and navigating in a virtual orchard: Which tree do you visit next? Talk presented at Vision Sciences Society annual meeting, May 19, 2014.

Sareen, P., **Ehinger, K. A.**, & Wolfe, J. M. (2014). Through the looking glass: Are objects in mirrors really objects? Poster presented at Vision Sciences Society annual meeting, May 17, 2014.

2013

Ehinger, K. A. & Rosenholtz, R. (2013). Texture statistics predict human performance on a range of scene-perception tasks. Poster presented at the Vision Sciences Society annual meeting, May 14, 2013.

2012

Ehinger, K. A. & Rosenholtz, R. (2012). Quantifying boundary extension in scenes. Poster presented at Vision Sciences Society annual meeting, May 15, 2012.

2011

Ehinger, K. A. & Oliva, A. (2011). What determines the canonical view of a scene? Talk presented at Vision Sciences Society annual meeting, May 8, 2011.

Ehinger, K. A. & Oliva, A. (2011). Canonical views of scenes. Poster presented at the MIT Scene Understanding Symposium, Jan 28, 2011.

2010

Ehinger, K. A., Haggerty, K. M., & Oliva, A. (2010). Canonical views of scenes depend on the shape of the space. Poster presented at Object Perception, Attention, & Memory, Nov, 18, 2010.

Ehinger, K. A., Torralba, A., & Oliva, A. (2010). Building a taxonomy of visual scenes: Typicality ratings and hierarchical classification. Poster presented at Vision Sciences Society annual meeting, May 9, 2010.

Hays, J., Xiao, J., **Ehinger, K. A.**, Oliva, A., & Torralba, A. (2010). Scene categorization and detection: the power of global features. Talk presented at Vision Sciences Society annual meeting, May 8, 2010.

2009

Ehinger, K. A., Hidalgo-Sotelo, B., Torralba, A., & Oliva, A. (2009). Modeling search for people in 900 Scenes: The roles of saliency, target features, and scene context. Talk presented at Vision Sciences Society annual meeting, May 10, 2009.

Ehinger, K. A., Hidalgo-Sotelo, B., Torralba, A., & Oliva, A. (2009). Modeling search for people in 900 Scenes: A combined source model of eye guidance. Poster presented at the MIT Scene Understanding Symposium, Jan 30, 2009.

Oliva, A., **Ehinger, K. A.**, Hidalgo-Sotelo, B., & Torralba, A. (2009). Context rules supreme in visual search through real-world scenes. Talk presented at the MIT Scene Understanding Symposium, Jan 30, 2009.

2008

Ehinger, K. A. (2008). Modeling sources of visual attention guidance in real-world search. Talk presented at MIT Cognitive Lunch, Oct 21, 2008.

Ehinger, K. A. & Oliva, A. (2008). Characterizing the shape and texture of natural objects using Active Appearance Models. Poster presented at the Vision Sciences Society annual meeting, May 11, 2008.

Ehinger, K. A. & Brockmole, J. R. (2008). The role of color in real-world scene contextual cueing. Poster presented at the MIT Scene Understanding Symposium, Feb 1, 2008.

Invited Talks

2019

Panel presentation at *Losing Lena* at the University of Melbourne, December 19, 2019.

“Learning from large image datasets,” Talk and panel participant at the Finding Ways to Make Unstructured Data Usable symposium presented by Data, Systems and Society Research Network (DSSRN) at the University of Melbourne, November 28, 2019.

Teaching

Courses Taught

| | |
|---------|--|
| 2020-21 | Machine Learning (COMP30027) (coordinator, co-instructor Ling Luo) Melbourne School of Engineering, The University of Melbourne |
| 2019-20 | Data Structures and Algorithms (COMP20003) (with co-instructor Nir Lipovetzky) Melbourne School of Engineering, The University of Melbourne |

Courses Developed & Taught

Spring 2015 Computational Perception (9.77) (with co-instructor Edward Adelson)

Department of Brain & Cognitive Sciences, MIT

Spring 2014 Computational Perception (9.77) (with co-instructor Edward Adelson)
Department of Brain & Cognitive Sciences, MIT

Tutorials / Short courses

- 2018 A Crash Course in Human Vision
Full-day tutorial at CVPR 2018 (sites.google.com/view/cvpr2018cchv)
- 2014 Introduction to Computer Vision
5-lecture course for Frank S. Levy, Dept. of Urban Studies & Planning, MIT
- 2011 Programming Experiments in MATLAB PsychToolbox
Tutorial for MIT 9.63 (kehinger.com/PTBexamples.html)

Guest Lectures

- Spring 2016 Principles of Neural Coding (GS/PSYC 6256), York University
“Signal detection theory and Bayesian decision theory”
“Deep learning”

Statistical Modelling of Perception and Cognition (PSYC 6229), York University
“Models of visual search”
- Fall 2016 Applications in Vision Science (BIOL 5149/KAHS 5149/PSYC 6228), York University
“Deep belief nets and object recognition”
- Fall 2012 Special Topics in Vision Science (9.357), MIT
“‘Stuff’ approaches to scene perception”
- Spring 2012 Computational Perception (9.77/9.777), MIT
“Gradients, edges, SIFT, and HOG”
“Texture analysis and synthesis”
- Fall 2010 Computational Visual Cognition Lab tutorial series, MIT
“Mechanical Turk: Advanced experiment programming”
- Fall 2009 Computational Perception (9.77), MIT
“Image analysis: Principles of saliency”
“Computational models: Visual search”
“Active Appearance Models”
- Fall 2008 Laboratory in Visual Cognition (9.63), MIT
“Applying the Active Appearance Model to animal objects”

Teaching Assistantships

| | |
|-------------|--|
| Spring 2012 | Computational Perception (9.77/9.777), MIT |
| Fall 2011 | Laboratory in Visual Cognition (9.63), MIT |
| Fall 2010 | Laboratory in Visual Cognition (9.63), MIT |
| Fall 2009 | Computational Perception (9.77), MIT |
| Fall 2009 | Laboratory in Visual Cognition (9.63), MIT |
| Spring 2009 | Introduction to Psychology (9.00), MIT |

Students Mentored

PhD

| | | |
|-------|--------------------|---|
| 2019- | Shima Rashidi | “A cognitive model of Visual search in natural images, from neural circuits to search strategies” (co-supervisors: Andrew Turpin, Lars Kulik) |
| 2019- | Steven R. Spratley | “Abstraction and analogy in vision systems” (co-supervisor: Tim Miller) |
| 2019- | Ruihan Zhang | “Explainability based on human understandable features for CNN models” (co-supervisors: Tim Miller, Ben Rubinstein) |

MA / MSc / MPhil

| | | |
|---------|-----------------------|--|
| 2019 | Dmitry Grebenyuk | “Learning to generalise through features” |
| 2018-20 | Maryam Taheri-Shirazi | “Deep networks for assisted target detection in airborne search and rescue” |
| 2018 | Khushbu Patel | “Perception of lighting and reflectance in real and stimuli” (supervised thesis writing) |

Masters Projects

| | | |
|------|--------------|---|
| 2020 | Yu Bai | “Depth estimation from image normal” (M-CS) |
| 2020 | Hai Ho Dac | “Understanding how object detectors search for targets in scenes” (M-IT) |
| 2020 | Hangyu Pan | “Facial expression classification” (M-CS) |
| 2020 | Yuhan Zhang | “Retinopathy detection based on ensembled multi-type convolutional neural network” (M-CS) |
| 2019 | David Watson | “Do CNNs search like humans?” (M-IT) |

Visiting Scholar

| | | |
|-----------|---------------|------------------------------|
| 2019-2020 | Khushbu Patel | VISTA Travel Award recipient |
|-----------|---------------|------------------------------|

Undergraduate

| | | |
|------|----------------------|--|
| 2018 | David Kennedy | Lassonde Undergraduate Summer Research |
| 2015 | Kala Allen | CELEST Summer Program, Boston University |
| 2014 | Pascale Chataigne | CELEST Summer Program, Boston University |
| 2014 | Trevor Stubbs-Stroud | CELEST Summer Program, Boston University |

| | | |
|------|------------------|--|
| 2013 | Bria Bugg | CELEST Summer Program, Boston University |
| 2013 | Celeste Rousseau | CELEST Summer Program, Boston University |

Service

| | |
|-----------|--|
| 2021- | AI co-lead, School of Computing and Information Systems, The University of Melbourne |
| 2020- | Program coordinator, Master of Information Technology (AI stream) School of Computing and Information Systems, The University of Melbourne |
| 2020- | Human Research Ethics Committee member, The University of Melbourne |
| 2019 | Organizer, Mutual Benefits of Computational and Computer Vision workshop at CVPR 2019 (sites.google.com/view/mbccv19) |
| 2018 | Organizer, Mutual Benefits of Computational and Computer Vision workshop at CVPR 2018 (sites.google.com/site/mbcc2018w) |
| 2018 | Organizer, A Crash Course in Human Vision tutorial at CVPR 2018 (sites.google.com/view/cvpr2018cchv) |
| 2017 | Program committee member, Mutual Benefits of Computational and Computer Vision workshop at ICCV 2017 (sites.google.com/site/mbcc2017w) |
| 2015 | Program committee member, Conference on Sensorimotor, Perceptual Learning and Training |
| 2008-2009 | Graduate student representative, Department of Brain & Cognitive Sciences, MIT |

Additional Training

| | |
|-----------|--|
| 2016-2017 | CREATE Postdoctoral Training program in Vision Science & Applications, York University |
| 2012 | Computational Vision Summer School, Bernstein Center Tübingen |

Science Outreach

| | |
|-----------|---|
| 2021 | Mentor for Techgirls national competition |
| 2017-2018 | Cooperative Education mentor for Northville Heights Secondary School, Toronto |
| 2017 | Volunteer tutor for Ladies Learning Code, Toronto |
| 2015 | Mentor for Harvard Medical School's Project SUCCESS, summer program for high school science students from underrepresented / disadvantaged groups |
| 2014-2016 | Scholar Award search committee, Philanthropic Educational Organization |

Editorships

| | |
|-------|--|
| 2020- | Associate Editor, <i>Visual Cognition</i> (Taylor & Francis, UK) |
|-------|--|

Ad-Hoc Reviewer

ACM SIGCHI
ACM Transactions on Applied Perception

Attention, Perception, & Psychophysics
Cognitive Research: Principles and Implications
Evolutionary Psychology
Frontiers in Psychology
IEEE Access
IEEE Transactions on Applied Perception
IEEE Transactions on Image Processing
IEEE Transactions on Pattern Analysis and Machine Intelligence
Journal of Artificial Intelligence Research
Journal of Experimental Psychology: Human Perception and Performance
Journal of Vision
Pattern Recognition
Perception
PLOS One
Psychonomic Bulletin & Review
Quarterly Journal of Experimental Psychology
Vision Research
Visual Cognition

Professional Memberships

| | |
|-------|--|
| 2018- | Association for Computing Machinery (ACM) |
| 2017- | Institute for Electrical and Electronic Engineers (IEEE) |
| 2008- | Vision Sciences Society |