CURRICULUM VITAE

Erik D. Reichle

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CONTACT INFORMATION

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EDUCATION

- PhD, Cognitive Psychology, University of Massachusetts at Amherst, 1997
- MS, Cognitive Psychology, University of Massachusetts at Amherst, 1993
- BS, Psychology, Iowa State University, 1990

ACADEMIC EMPLOYMENT HISTORY

- Professor of Cognitive Psychology, Macquarie University, Sydney, Australia, 2017-present
- Head of School, School of Psychological Sciences, Macquarie University, Sydney, Australia, 2021-2022
- Head of Department, Department of Psychology, Macquarie University, Sydney, Australia, 2017-2021
- Head of Department, Department of Psychology, University of Southampton, Southampton, UK, 2015-2017
- Professor of Cognitive Psychology, University of Southampton, Southampton, UK, 2013-2017
- Associate Professor of Psychology, University of Pittsburgh, Pittsburgh, PA, USA, 2006-2013
- Training Faculty, Center for Neuroscience, University of Pittsburgh, Pittsburgh, PA, USA, 2005-2013
- Assistant Professor of Psychology, University of Pittsburgh, Pittsburgh, PA, USA, 2001-2006
- Faculty Affiliate, Center for the Neural Basis of Cognition (*CNBC*), University of Pittsburgh, Pittsburgh, PA, USA, 2001-2013
- Research Scientist, Learning Research & Development Center (*LRDC*), University of Pittsburgh, Pittsburgh, PA, USA, 2001-2013
- Post-Doctoral Research Scientist, LRDC, University of Pittsburgh, Pittsburgh, PA, USA, 2000-2001
- Post-Doctoral Research Scientist, Center for Cognitive Brain Imaging, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA, USA, 1997-2000

INTERESTS

- *Research:* (1) attention; (2) brain imaging; (3) cognitive architecture; (4) computer/mathematical models; (5) episodic long-term memory; (6) eye-movement control; (7) reading; (8) word identification
- *Teaching*: (1) cognitive psychology; (2) computer modeling; (3) psychology of reading; (4) research methods; (5) statistics

PROFESSIONAL AFFILIATIONS

- Association for Reading and Writing in Asia (*ARWA*), Member
- Cognitive Science Society, Member
- Psychonomic Society, Fellow
- Society for the Scientific Study of Reading (*SSSR*), Member

HONORS & FELLOWSHIPS

- Student Nomination for Macquarie University Vice Chancellor's Teaching Award, 2023
- Sigma Xi Scientific Research Honor Society, 2021
- Leverhulme Visiting Professorship, University of Southampton, Southampton, UK, 2012
- Honorary Member of Golden Key International Honor Society, 2011
- Fellow, Hanse-Wissenschaftskolleg (Hanse Institute for Advanced Study), Delmenhorst, Germany, 2008
- NIMH National Research Service Award Grant, Training in Applied & Basic Cognition, 1990, 1994, 1995, 1996
- Psi Chi National Honor Society in Psychology, 1989

BOOKS

(2) **Reichle, E. D.** & Yu, L. (2024). *The psychology of reading: Insights from Chinese*. Cambridge, UK: Cambridge University Press. Manuscript in press.

(1) **Reichle, E. D.** (2021). *Computational models of reading: A handbook*. Oxford, UK: Oxford University Press.

PEER-REVIEWED JOURNAL ARTICLES (*Note*: * student co-authors)

(86) Liu, Y., Yu, L., & **Reichle, E. D.** (2023). Towards a model of eye-movement control in Chinese reading. Manuscript submitted for review.

(85) Warrington, K., Wu, S., **Reichle, E. D.**, Sheridan, H., Paterson, K. B., & White, S. J. (2023). Eye movements during reading and skimming: Effects of word length and frequency. Manuscript invited for resubmission.

(84) Wegener, S., Castles, A., Beyersmann, E., Nation, K., & **Reichle, E. D.** (2023). Eye tracking and simulating the spacing effect during orthographic learning. Manuscript submitted for review.

(83) *Xia, X., *Liu, Q., **Reichle, E. D.**, & Liu, Y. (2023). Saccadic targeting in the Landolt-C task: Implications for Chinese reading. Manuscript invited for resubmission.

(82) Andrews, S., Veldre, A., *Wong, R., Yu, L., & **Reichle, E. D.** (2023). How do task demands and aging affect lexical prediction during online reading of natural texts? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *49*, 407-430.

(81)   Liao, S., Kruger, J.-L., Yu, L., & **Reichle, E. D.** (2023). Dynamic reading in the digital age: New insights on cognition. *Trends in Cognitive Sciences*, *10*, 721-724.

(80)   *Mézière, D., Yu, L., McArthur, G., **Reichle, E. D.**, & von der Malsburg, T. (2023). Scanpath regularity as an index of reading comprehension. *Scientific Studies of Reading*. Manuscript in press.

(79)   *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2023). Using eye-tracking to predict reading comprehension. *Reading Research Quarterly*, *58*, 425-449.

(78)   Veldre, A., **Reichle, E. D.**, Yu, L., & Andrews, S. (2023). Lexical processing across the visual field. *Journal of Experimental Psychology: Human Perception and Performance*. Manuscript in press.

(77)   Veldre, A., **Reichle, E. D.**, Yu, L., & Andrews, S. (2023). Understanding the visual constraints on lexical processing: New empirical and simulation results. *Journal of Experimental Psychology: General*, *152*, 693-722.

(76)   Wegener, S., Wang, H.-C., Beyersmann, E., **Reichle, E. D.**, Nation, K., & Castles, A. (2023). The effect of spacing versus massing on orthographic learning. *Reading Research Quarterly*, *58*, 361-372.

(75)   *Xia, X., Liu, Y., Yu, L., & **Reichle, E. D.** (2023). Are there preferred viewing locations in Chinese reading? Evidence from eye-tracking and computer simulations. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *49*, 607-625.

(74)   Xiong, J., Yu, L., Veldre, A., **Reichle, E. D.**, & Andrews, S. (2023). A multi-task comparison of word- and character-frequency effects in Chinese reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *49*, 793-811.

(73)   *Liao, S., Yu, L., Kruger, J.-L., & **Reichle, E. D.** (2022). The impact of audio on the reading of intralingual versus interlingual subtitles: Evidence from eye movements. *Applied Psycholinguistics*, *43*, 237-269.

(72)   Nalepka, P., *Prants, M., *Stening, H., *Simpson, J., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S. G., Best, C., & Richardson, M. J. (2022). Assessing team situational awareness by how players structure their search in a first-person multiplayer video game. *Cognitive Science*, *46*, e13204.

(71)   *Simpson, J., Nalepka, P., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S. G., Best, C., Richards, D., & Richardson, M. J. (2022). Conversation dynamics in a multiplayer video game with knowledge asymmetry. *Frontiers in Psychology*, *13*, doi: 10.3389/fpsyg.2022.1039431.

(70)   *Liao, S., Yu, L., **Reichle, E. D.**, & Kruger, J.-L. (2021). Using eye movements to study the reading of subtitles in video. *Scientific Studies of Reading*, *25*, 417-435.

(69)   Yu, L., Liu, Y., & **Reichle, E. D.** (2021). A corpus-based vs. experimental examination of word- and character-frequency effects in Chinese reading: Theoretical implications for models of reading. *Journal of Experimental Psychology: General*, *150*, 1612-1641.

(68)   Hermena, E. W. & **Reichle, E. D.** (2020). Insights from the study of Arabic reading. *Language and Linguistic Compass*, *14*, 1-26.

(67)   Veldre, A., **Reichle, E. D.**, *Wong, R., & Andrews, S. (2020). Contextual plausibility effects on word skipping during reading. *Cognition*, *197*, 1-14.

(66)   Liu, Y., Yu, L., *Fu, L., *Li, W., *Duan, Z., & **Reichle, E. D.** (2019). The effects of parafoveal word frequency and segmentation on saccade targeting during Chinese reading. *Psychonomic Bulletin & Review*, *26*, 1367-1276.

(65)   Liu, Y., *Yu, L., & **Reichle, E. D.** (2019b). The influence of parafoveal preview, character transposition, and word frequency on saccadic targeting in Chinese reading. *Journal of Experimental Psychology: Human Perception and Performance*, *45*, 537-552.

(64)   Liu, Y., *Yu, L., & **Reichle, E. D.** (2019a). The dynamic adjustment of saccades during reading: Evidence from eye movements and simulations. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *45*, 535-543.

(63)   Yu, L., Xiong, J., Zhang, Q., Dreighe, D., & **Reichle, E. D.** (2019). Eye-movement evidence for the mental representation of strokes in Chinese characters. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *45*, 544-551.

(62)   Liu, Y. & **Reichle, E. D.** (2018a). Eye movement evidence for object-based attention in reading. *Psychological Science*, *29*, 278-287.

(61)   Liu, Y. & **Reichle, E. D.** (2018b). Using eye movements to understand the leakage of information during Chinese reading. *Psychonomic Bulletin & Review*, *25*, 2323-2329.

(60)   Liu, Y., *Guo, S., *Yu, L., & **Reichle, E. D.** (2018). Word predictability affects saccade length in Chinese reading: An evaluation of the dynamic-adjustment model. *Psychonomic Bulletin & Review*, *25*, 1981-1899.

(59)   McGowan, V. A. & **Reichle, E. D.** (2018). The "risky" reading strategy revisited: New simulations using E-Z Reader. *The Quarterly Journal of Experimental Psychology*, *71*, 179-189.

(58)   **Reichle, E. D.** & Yu, L. (2018). Models of Chinese reading: Review and analysis. *Cognitive Science*, *42*, 1154-1165.

(57)   Yu, L., Zhang, Q., *Priest, C., **Reichle, E. D.**, & Sheridan, H. (2018). Character-complexity effects in Chinese reading and visual search: A comparison and theoretical implications. *The Quarterly Journal of Experimental Psychology*, *71*, 140-151.

(56)   Godwin, H. J., **Reichle, E. D.**, & Menneer, T. (2017). Modeling lag-2 revisits to understand trade-offs in mixed control of fixation termination during visual search. *Cognitive Science*, 41, 996-1019.

(55)   Liu, Y., *Huang, R., Gao, D.-G., & **Reichle, E. D.** (2017). Further tests of a dynamic-adjustment account of sacccade targeting during the reading of Chinese. *Cognitive Science*, *41*, 1264-1287.

(54)   Menneer, T., Godwin, H. J., Liversedge, S. P., Hillstrom, A. P., Benson, V., **Reichle, E. D.**, & Donnelly, N. (2017). The FVF framework and target prevalence effects. *Behavioral and Brain Sciences*, *40*, 34-35.

(53)   Yu, L. & **Reichle, E. D.** (2017). Chinese vs. English: Insights on cognition during reading. *Trends in Cognitive Sciences*, *21*, 721-724.

(52)   Liu, Y. & **Reichle, E. D.**, & Li, X. (2016). The effect of word frequency and parafoveal preview on saccade length during the reading of Chinese. *Journal of Experimental Psychology: Human Perception and Performance*, *42*, 1008-1025.

(51)   Sheridan, H. & **Reichle, E. D.** (2016). An analysis of the time course of lexical processing during reading. *Cognitive Science*, *40*, 522-553.

(50)   Sheridan, H., **Reichle, E. D.**, & Reingold, E. M. (2016). Why does removing inter-word spaces produce reading deficits? The role of parafoveal processing. *Psychonomic Bulletin & Review*, *23*, 1543-1552.

(49)   Clifton, C., Jr., Ferreira, F., Henderson, J., Inhoff, A., Liversedge, S. P., **Reichle, E. D.**, & Schotter, E. R. (2015). Eye movements in reading and information processing: Keith Rayner's 40 year legacy. *Journal of Memory and Language*, *86*, 1-19.

(48)   *Mancheva, M., **Reichle, E. D.**, Lemaire, B., Valdois, S., Ecalle, J., & Guérin-Dugué, A. (2015). An analysis of reading skill development using E-Z Reader. *Journal of Cognitive Psychology*, *27*, 657-676.

(47)   Liu, Y., **Reichle, E. D.**, Li, X. (2015). Parafoveal processing affects outgoing saccade length during the reading of Chinese. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*, 1229-1236.

(46)   **Reichle, E. D.** (2015). Computational models of reading: A primer. *Language and Linguistic Compass*, *9*, 271-284.

(45)   **Reichle, E. D.** & Drieghe, D. (2015). Using E-Z Reader to examine the consequences of fixation-location measurement error. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*, 262-270.

(44)   *Yu, L., **Reichle, E. D.**, Jones, M., & Liversedge, S. P. (2015). RadicalLocator: A software tool for identifying the radicals in Chinese characters. *Behavior Research Methods*, *47*, 826-836.

(43)   Godwin, H. J., **Reichle, E. D.**, & Menneer, T. (2014). Coarse-to-fine eye-movement behavior during visual search. *Psychonomic Bulletin & Review*, *21*, 1244-1249.

(42)   Schotter, E. R., **Reichle, E. D.**, & Rayner, K. (2014). Re-thinking parafoveal processing in reading: Serial-attention models can explain semantic preview benefit and N+2 preview effects. *Visual Cognition*, *22*, 309-333.

(41)   Williams, C. C., Pollatsek, A., & **Reichle, E. D.** (2014). Examining eye movements in visual search through clusters of objects in a circular array. *Journal of Cognitive Psychology*, *26*, 1-14.

(40)   *Liu, Y., **Reichle, E. D.**, & Gao, D.-G. (2013). Using reinforcement learning to examine dynamic attention allocation during reading. *Cognitive Science*, *37*, 1507-1540.

(39)   **Reichle, E. D.** & Drieghe, D. (2013). Using E-Z Reader to examine word skipping during reading. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39, 1311-1320.

(38)   **Reichle, E. D.**, Liversedge, S. P., Drieghe, D., Blythe, H. I., Joseph, H. S. S. L., White, S. J., & Rayner, K. (2013). Using E-Z Reader to examine the concurrent development of eye-movement control and reading skill. *Developmental Review*, *33*, 110-149.

(37)   **Reichle, E. D.** & Reingold, E. M. (2013). Neurophysiological constraints on the eye-mind link. *Frontiers in Human Neuroscience*, *7*, doi: 10.3389/fnhum.2013.00361.

(36)   **Reichle, E. D.**, Pollatsek, A., & Rayner, K. (2012). Using E-Z Reader to simulate eye movements in non-reading tasks: A unified framework for understanding the eye-mind link. *Psychological Review*, *119*, 155-185.

(35)   **Reichle, E. D.**, Rayner, K., & Pollatsek, K. (2012). Eye movements in reading versus non-reading tasks: Using E-Z Reader to understand the role of word/stimulus familiarity. *Visual Cognition*, *20*, 360-390.

(34)   Reingold, E. M., **Reichle, E. D.**, Glaholt, M. G., & *Sheridan, H. (2012). Direct lexical control of eye movements in reading: Evidence from survival analysis of fixation durations. *Cognitive Psychology*, *65*, 177-206.

(33)   *****Vanyukov, P. M., Warren, T., Wheeler, M. E., & **Reichle, E. D.** (2012). The emergence of frequency effects in eye movements. *Cognition*, *123*, 185-189.

(32)   **Reichle, E. D.**, Tokowicz, N., Liu, Y., & Perfetti, C. A. (2011). Testing an assumption of the E-Z Reader model of eye-movement control during reading: Using event-related potentials to examine the familiarity check. *Psychophysiology*, *48*, 993-1003.

(31)   Schooler, J. W., Smallwood, J., Christoff, K., Handy, T. C., **Reichle, E. D.**, & Sayette, M. A. (2011). Meta-awareness, perceptual decoupling and the wandering mind. *Trends in Cognitive Sciences*, *15*, 319-326.

(30)   Warren, T., **Reichle, E. D.**, *Patson, N. D. (2011). Lexical and post-lexical complexity effects on eye movements in reading. *Journal of Eye Movement Research*, *4*, 1-10.

(29)   White, S. J., Warren, T., & **Reichle, E. D.** (2011). Parafoveal preview during reading: Effects of sentence position. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 1221-1238.

(28)   Rayner, K. & **Reichle, E. D.** (2010). Models of the reading process. *WIREs Cognitive Science*, *1*, 787-799.

(27)   **Reichle, E. D.**, *Reineberg, A. E., & Schooler, J. W. (2010). Eye movements during mindless reading. *Psychological Science*, *21*, 1300-1310.

(26)   Sayette, M. A., Schooler, J. W., & **Reichle, E. D.** (2010). Out for a smoke: The impact of cigarette craving on zoning-out during reading. *Psychological Science*, *21*, 26-30.

(25)   Rayner, K., Pollatsek, A., Liversedge, S. P., & **Reichle, E. D.** (2009). Eye movements and non-canonical reading: Comments on Kennedy and Pynte (2008). *Vision Research*, 49, 2232-2236.

(24)   **Reichle, E. D.**, Liversedge, S. P., Pollatsek, A., & Rayner, K. (2009). Encoding multiple words simultaneously in reading is implausible. *Trends in Cognitive Sciences*, *13*, 115-119.

(23)   **Reichle, E. D.**, Warren, T., & *McConnell, K. (2009). Using E-Z Reader to model the effects of higher-level language processing on eye movements during reading. *Psychonomic Bulletin & Review*, *16*, 1-21.

(22)   Sayette, M. A., **Reichle, E. D.**, & Schooler, J. W. (2009). Lost in the sauce: The effects of alcohol on mind-wandering. *Psychological Science*, *20*, 747-752.

(21)   Warren, T., White, S. J., & **Reichle, E. D.** (2009). Investigating the causes of wrap-up effects: Evidence form eye movements and E-Z Reader. *Cognition*, *111*, 132-137.

(20)   Pollatsek, A., Juhasz, B. J., **Reichle, E. D.**, Machacek, D., & Rayner, K. (2008). Immediate and delayed effects of word frequency and word length on eye movements in reading: A delayed effect of word length. *Journal of Experimental Psychology: Human Perception and Performance*, *34*, 726-750.

(19) **Reichle, E. D.**, *Vanyukov, P. M., *Laurent, P. A., & Warren, T. (2008). Serial or parallel? Using depth-of-processing to examine attention allocation during reading. *Vision Research*, *48*, 1831-1836. [Corrigendum in: *Vision Research*, *50*, 2028.]

(18) Rayner, K., Pollatsek, A., Drieghe, D., Slattery, T. J., & **Reichle, E. D.** (2007). Tracking the mind during reading via eye movements: Comments on Kliegl, Nuthmann, and Engbert (2006). *Journal of Experimental Psychology: General*, *136*, 520-529.

(17) Pollatsek, A., **Reichle, E. D.**, & Rayner, K. (2006a). Tests of the E-Z Reader model: Exploring the interface between cognition and eye-movement control. *Cognitive Psychology*, *52*, 1-56.

(16) Pollatsek, A., **Reichle, E. D.**, & Rayner, K. (2006b). Attention to one word at a time is still a viable hypothesis: Rejoinder to Inhoff, Radach, and Eiter (2006). *Journal of Experimental Psychology: Human Perception and Performance*, *32*, 1496-1500.

(15) Pollatsek, A., **Reichle, E. D.**, & Rayner, K. (2006c). Serial processing is consistent with the time course of linguistic information extraction from consecutive words during eye fixations in reading: A response to Inhoff, Eiter, and Radach (2005). *Journal of Experimental Psychology: Human Perception and Performance*, *32*, 1485-1489.

(14) Rayner, K., **Reichle, E. D.**, Stroud, M. J., Williams, C. C., & Pollatsek, A. (2006). The effects of word frequency, word predictability, and font difficulty on the eye movements of young and elderly readers. *Psychology and Aging*, *21*, 448-465.

(13) **Reichle, E. D.** (2006). Computational models of eye-movement control during reading: Theories of the "eye-mind" link. *Cognitive Systems Research*, *7*, 2-3.

(12) **Reichle, E. D.** & *Laurent, P. A. (2006). Using reinforcement learning to understand the emergence of "intelligent" eye-movement behavior during reading. *Psychological Review*, *113*, 390-408.

(11) **Reichle, E. D.**, Pollatsek, A., & Rayner, K. (2006). E-Z Reader: A cognitive-control, serial-attention model of eye-movement control during reading. *Cognitive Systems Research*, *7*, 4-22.

(10) Rayner, K., Ashby, J., Pollatsek, A., & **Reichle, E. D.** (2004). The effects of frequency and predictability on eye fixations in reading: Implications for the E-Z Reader model. *Journal of Experimental Psychology: Human Perception and Performance*, *30*, 720-732.

(9) Rayner, K., Pollatsek, A., & **Reichle, E. D.** (2003). Eye movements in reading: Models and data. *Behavioral and Brain Sciences*, *26*, 507-518.

(8) **Reichle, E. D.** & *Nelson, J. R. (2003). Local vs. global attention: Are two states necessary? Comment on Liechty et al., 2003. *Psychometrika*, *68*, 543-549.

(7) **Reichle, E. D.**, Rayner, K., & Pollatsek, A. (2003). The E-Z Reader model of eye movement control in reading: Comparisons to other models. *Behavioral and Brain Sciences*, *26*, 445-476.

(6) **Reichle, E. D.** & Perfetti, C. A. (2003). Morphology in word identification: A word experience model that accounts for morpheme frequency effects. *Scientific Studies of Reading*, *7*, 219-237.

(5) Carpenter, P. A., Just, M. A., & **Reichle, E. D.** (2000). Working memory and executive function: Evidence from neuroimaging. *Current Opinion in Neurobiology*, *10*, 195-199.

(4)   **Reichle, E. D.**, Carpenter, P. A., & Just, M. A. (2000). The neural bases of strategy and skill in sentence-picture verification. *Cognitive Psychology*, *40*, 261-295.

(3)   **Reichle, E. D.**, Rayner, K., & Pollatsek, A. (1999). Eye movement control in reading: Accounting for initial fixation locations and refixations within the E-Z Reader model. *Vision Research*, *39*, 4403-4411.

(2)   **Reichle, E. D.**, Carpenter, P. A., & Just, M. A. (1998). The cortical systems mediating two sentence-picture verification strategies. *NeuroImage*, 7, p. S182.

(1)   **Reichle, E. D.**, Pollatsek, A., Fisher, D. L., & Rayner, K. (1998). Toward a model of eye movement control in reading. *Psychological Review*, *105*, 125-157.

INVITED ARTICLES, BOOK CHAPTERS, & CONFERENCE PROCEEDINGS (*Note*: * student co-authors)

(28)   Wegener, S., Yu, L., **Reichle, E. D.**, Beyersmann, E., Parrila, R., & Castles, A. (2023). Eye movements during reading. *Frontiers for Young Minds*, *11*, 1-8.

(27)   Nalepka, P. *Stening, H. *Simpson, J., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, C. B., & Richardson, M. (2022). Gauging situation awareness by the complexity of personnel movement. *Journal of Science and Medicine in Sport*, *25*, S16-S17.

(26)   **Reichle, E. D.**, Veldre, A., Yu, L., & Andrews, S. (2022). A neural implementation of MINERVA 2. *Proceedings of the 44th Annual Conference of the Cognitive Science Society*, 2278-2284

(25)   *Simpson, J., *Stening, H., Nalepka, P., Dras, M., **Reichle, E. D.**, Hosking, C. B., Best, C. J., Richards, D., & Richardson, M. (2022). DesertWoZ: A Wizard of Oz environment to support the design of collaborative conversational agents. *CSCW'22 Companion: Companion Publication on Computer Supported Cooperative Work and Social Computing*, 188-192.

(24)   *Simpson, J., Nalepka, P., *Crone, C. L., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S., Best., C., Richards, D., & Richardson, M. J. (2021). Tip of the finger or tip of the tongue? The effects of verbal communication on online multi-player team performance. *CSCW '21: Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing* (pp. 175-178).

(23)   *Pratts, M., *Simpson, J., Nalepka, P., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S., Best., C., & Richardson, M. J. (2021). The structure of team search behaviors with varying access to information. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 805-811).

(22)   **Reichle, E. D.**, Yu, L., *Liao, S., & Kruger, J.-L. (2021). Using simulations to understand the reading of rapidly displayed subtitles*. Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 445-451).

(21)   **Reichle, E. D.** & Schotter, E. R. (2020). A computational analysis of the constraints on parallel word identification. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 164-170).

(20)   Veldre, A. & **Reichle, E. D.**, Yu, L., & Andrews, S. (2020). Towards a complete model of reading: Simulating lexical decision, word naming, and sentence reading with Über-Reader. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 151-157).

(19)   Andrews, S. & **Reichle, E. D.** (2019). The cognitive architecture of reading: The organziation of an acquired skill. In P. Hagoort (Ed.), *Human language: From genes and brains to behavior* (pp. 51-66). Boston, MA, USA: MIT Press.

(18)   Liversedge, S. P., Castelhano, M., **Reichle, E. D.**, & Ferreira, F. (2018). Editorial: Special issue in honor of Keith Rayner (1943-2015). *The Quarterly Journal of Experimental Psychology*, *71*, 1-2.

(17)   **Reichle, E. D.** & Sheridan, H. (2015). E-Z Reader: An overview of the model and two recent applications. In A. Pollatsek & R. Treiman (Eds.), *Oxford handbook of reading* (pp. 277-292). Oxford, UK: Oxford University Press.

(16)   Reingold, E. M., Seridan, H., & **Reichle, E. D.** (2015). Direct lexical and non-lexical control of fixation duration in reading. In A. Pollatsek & R. Treiman (Eds.), *Oxford handbook of reading* (pp. 261-276). Oxford, UK: Oxford University Press.

(15)   **Reichle, E. D.** (2013). The development of eye-movement control and reading skill. In B. Miller, L. Cutting, & P. McCardle (Eds.), *Unraveling reading comprehension: Behavioral, neurobiological, and genetic components* (pp. 112-122). Baltimore, MD, USA: Brookes.

(14)   **Reichle, E. D.** (2011). Serial attention models of reading. In S. P. Liversedge, I. D. Gilchrist, & S. Everling (Eds.), *Oxford handbook of eye movements* (pp. 767-786). Oxford, UK: Oxford University Press.

(13)   **Reichle, E. D.**, *Liu, Y., & Laurent, P. A. (2011). The emergence of adaptive eye movement control in reading: Theory and data. *Studies of Psychology and Behavior*, *9*, 45-52. (*Note*: This is a special issue of a journal published in China.)

(12)   *Liu, Y. & **Reichle, E. D.** (2010). The emergence of adaptive eye movements in reading. In S. Ohlsson & R. Catrabone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 1136-1141). Austin, TX: Cognitive Science Society.

(11)   Pollatsek, A., Rayner, K., & **Reichle, E. D.** (2008). The E-Z Reader model of eye movement control in reading. In K. Rayner, D. Shen, X. Bai, & G. Yan (Eds.), *Cognitive and cultural influences on eye movements* (pp. 37-64). Tianjin, China: Tianjin's People Publishing.

(10)   **Reichle, E. D.** & Mason, R. A. (2007). The neural signatures of causal inferences: A preliminary computational account of brain-imaging and behavioral data. In F. Schmalhofer & C. A. Perfetti (Eds.), *Higher level language processes in the brain: Inference and comprehension processes* (pp. 211-232). Mahwah, NJ, USA: Erlbaum.

(9)   **Reichle, E. D.**, Pollatsek, A., & Rayner, K. (2007). Modeling the effects of lexical ambiguity on eye movements during reading. In R. P. G. Van Gompel, M. F. Fischer, W. S. Murray, & R. L. Hill (Eds.), *Eye movements: A window on mind and brain* (pp. 271-292) Oxford, UK: Elsevier.

(8)   Rayner, K., **Reichle, E. D.**, Pollatsek, A. (2006). Cognitive processes in reading: The E-Z Reader model of eye-movement control. In S. Andrews (Ed.), *From inkmarks to ideas: Challenges and controversies about word recognition and reading* (pp. 122-148). New York, NY, USA: Psychology Press.

(7)   Rayner, K., **Reichle, E. D.**, & Pollatsek, A. (2005). Eye movement control in reading and the E-Z Reader model. In G. Underwood (Ed.), *Cognitive processes in eye guidance* (pp. 131-162). New York, NY, USA: Oxford University Press.

(6)   Schooler, J. W., **Reichle, E. D.**, & Halpern, D. V. (2004). Zoning out while reading: Evidence for dissociations between experience and metaconsciousness. In D. T. Levin (Ed.), *Thinking and seeing: Visual metacognition in adults and children* (pp. 203-226). Cambridge, MA, USA: MIT Press.

(5)   Pollatsek, A., **Reichle, E., D.**, & Rayner, K. (2003). Modeling eye movements in reading: Extensions of the E-Z Reader model. In J. Hyönä, R. Radach & H. Deubel (Eds.), *The mind's eyes: Cognitive and applied aspects of oculomotor research* (pp. 361-390). Oxford, UK: Elsevier.

(4)   **Reichle, E. D.** & Rayner, K. (2002). Cognitive processing and models of reading. In G. K. Hung & K. J. Ciuffreda (Ed.), *Models of the visual system* (pp. 565-604). New York, NY, USA: Kluwer Academic.

(3)   Rayner, K., **Reichle, E. D.**, & Pollatsek, A. (2000). Eye movement control in reading: Updating the E-Z Reader model to account for initial fixation locations and refixations. In A. Kennedy, R. Radach, D. Heller, & J. Pynte (Eds.), *Reading as a perceptual process* (pp. 701-719). Oxford, UK: Elsevier.

(2)   Pollatsek, A., Rayner, K., Fischer, M. H., & **Reichle, E. D.** (1999). Attention and eye movements in reading. In J. Everatt (Ed.), *Reading and dyslexia: Visual and attentional processes* (pp. 179-209). London, UK: Routledge.

(1)   Rayner, K., **Reichle, E. D.**, & Pollatsek, A. (1998). Eye movement control in reading: An overview and model. In G. Underwood (Ed.), *Eye guidance in reading and scene perception* (pp. 243-268). Oxford, UK: Elsevier.

CONFERENCE PRESENTATIONS (*Note*: * student co-authors)

(150)   Veldre, A., Yu, L., Wong, R., & **Reichle, E. D.** (2023, November). The influence of sentence context on letter position coding during reading. Paper presented at the 64th Annual Meeting of the Psychonomics Society, San Francisco, CA, USA.

(149)   Liao, S., Yu, L., Kruger, J.-L., & **Reichle, E. D.** (2023, July). Semantic congruency influences eye movements when reading subtitles in video. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(148)   Mézière, D., Yu, L., von der Malsburg, T., **Reichle, E. D.**, & McArthur, G. (2023, July). Predicting recall performance from eye movements during normal reading. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(147)   **Reichle, E. D.**, Liao, S., Yu, L., & Kruger, J.-L. (2023, July). Using a dual-task paradigm, eye movements, and simulations to understand the reading of subtitles in film. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(146)   Wegener, S., **Reichle, E. D.**, Beyersmann, E., Nation, K., & Castles, A. (2023, July). Tracking and modelling the spacing effect during orthographic learning. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(145)   Veldre, A., **Reichle, E. D.**, Yu, L., & Andrews, S. (2023, July). The influence of task demands on lexical processing across the visual field. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(144) Yu, L., Dang, G. T. H., & **Reichle, E. D.** (2023, July). The effect of auditory information and its rate on reading. Paper presented at the 30th Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.

(143) Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2022, September). Eye tracking measures as predictors of reading comprehension. Paper presented in Lena Jäger & Titus von der Malsburg (Chairs), *Predicting Reading Comprehension from Eye Movements*, Zurich, Switzerland.

(142) **Reichle, E. D.** (2023, June). Using computer models of reading to understand reading comprehension: Exploratory simulations. Paper presented in Lena Jäger & Titus von der Malsburg (Chairs), *Predicting Reading Comprehension from Eye Movements*, Zurich, Switzerland.

(141) Wu, S., Qahtani, F. S., Warrington, K. L., **Reichle, E. D.**, Paterson, K. B., & White, S. J. (2023, January). Eye movement control during rapid reading: Evidence from empirical studies and computational modelling. Paper to be presented at the Meeting of the Experimental Psychology Society, London, UK.

(140) Veldre, A., **Reichle, E. D.**, Yu, L., & Andrews, S. (2023, April). The influence of task demands on lexical processing across the visual field. Paper presented at the 50th Annual Conference of the Australasian Society for Experimental Psychology, Canberra, Australia.

(139) Veldre, A., Wong, R., Yu, L., **Reichle, E. D.**, & Andrews, S. (2022, November). Age differences in the extraction and integration of parafoveal information during reading. Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Boston, MA, USA.

(138) Wu, S., Warrington, K. L., Qahtani, F. S., **Reichle, E. D.**, Patterson, K. B., & White, S. (2022, September). Effects of reading goals on eye movement behavior, lexical processing and sentence processing. Paper presented at the Annual Conference on Architectures and Mechanisms for Language Processing, York, UK.

(137) Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2022, September). Scanpath regularity as a measure of reading comprehension ability. Paper presented in N. McIntyre, I. Coombs, A. Peters, T. Törmänen, & L. Catrysse (Chairs), *Proceedings of the EARLI Special Interest Group on Online Measures of Learning Processes (SIG27)*, Southampton, UK.

(136) **Reichle, E. D.** & Boag, S. (2022, August). Towards a model of the reconstructed self: Exploratory simulations. Paper presented at the Personality and its Disorders Conference, Sydney, Australia.

(135) Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2022, August). Scanpath regularity as a predictor of performance on reading comprehension assessments. Paper presented at the 21st European Conference on Eye Movements, Leicester, UK.

(134) Veldre, A., **Reichle, E. D.**, Yu, L., & Andrews, S. (2022, August). The influence of task demands on word identification across the visual field. Poster presented at the 22nd Annual Conference of the European Society for Cognitive Psychology, Lille, France.

(133) Wu, S., Warrington, K. L., **Reichle, E. D.**, Paterson, K. B., & White, S. J. (2022, August). Eye movement control during reading and skimming: Effects of word length. Talk presented at the 21st European Conference on Eye Movements, Leicester, UK.

(132) **Reichle, E. D.**, Veldre, A., Yu, L., & Andrews, S. (2022, July). A neural implementation of MINERVA 2. Poster presented at the 44th Annual Meeting of the Cognitive Science Society, Toronto, Canada.

(131) **Reichle, E. D.** (2022, February). Towards a model of Chinese reading. Keynote paper presented at the 6th Annual Conference for the Association for Reading and Writing in Asia, Virtual Meeting.

(130) *Simpson, J., Nalepka, P., *Crone, C. L., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S., Best., C., Richards, D., & Richardson, M. J. (2021, October). Tip of the finger or tip of the tongue? The effects of verbal communication on online multi-player team performance. Paper presented at the 24th ACM Conference on computer-supported cooperative work and social computing, Virtual Meeting.

(129) *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2021, September). Can eye movements be used to predict reading comprehension ability? Paper presented at the Annual Conference on Architectures and Mechanisms for Language Processing, Paris, France.

(128) *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2021, July). Using eye movements to predict reading comprehension scores. Paper presented at the 28th Annual Meeting of the Society for the Scientific Study of Reading, Virtual Meeting.

(127) *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2021, July). Exploring recall as an ecologically valid measure of reading comprehension. Poster presented at the 28th Annual Meeting of the Society for the Scientific Study of Reading, Virtual Meeting.

(126) *Pratts, M., *Simpson, J., Nalepka, P., Kallen, R. W., Dras, M., **Reichle, E. D.**, Hosking, S., Best., C., & Richardson, M. J. (2021, July). The structure of team search behaviors with varying access to information. Paper presented at the 43rd Annual Meeting of the Cognitive Science Society, Vienna, Austria.

(125) **Reichle, E. D.**, Yu, L., *Liao, S., & Kruger, J.-L. (2021, July). Using simulations to understand the reading of rapidly displayed subtitles. Paper presented at the 43rd Annual Meeting of the Cognitive Science Society, Vienna, Austria.

(124) *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2021, March). Using eye movements to predict performance on reading comprehension tests. Paper presented at the 34th Annual CUNY Conference on Human Sentence Processing, Philadelphia, PA, USA.

(123) **Reichle, E. D.**, Liu, Y., & Yu, L. (2021, March). Simulations to examine eye-movement control during the reading of Chinese. Paper presented at the 5th Annual Conference for the Association for Reading and Writing in Asia, Taipei, Taiwan.

(122) Andrews, S. *Wong, R., Yu, L., Veldre, A., **Reichle, E. D.** (2020, November). How do task demands influence predictability effects during online text reading? Paper presented at the Annual Meeting of the 61st Psychonomics Society, Virtual Psychonomics.

(121) Liu, Y., **Reichle, E. D.**, & Yu, L. (2020, November). Towards a comprehensive model of Chinese reading. Paper presented at the 61st Annual Meeting of the Psychonomics Society, Virtual Psychonomics.

(120)   Veldre, A., Yu, L., Andrews, S., & **Reichle, E. D.** (2020, November). The effect of foveal eccentricity on word identification: Theory and data. Paper presented at the 61st Annual Meeting of the Psychonomics Society, Virtual Psychonomics.

(119)   Xiong, J., Yu, L., Veldre, A., Drieghe, D., **Reichle, E. D.**, & Andrews, S. (2020, November). A multi-task examination of word- and character-frequency effects in Chinese. Poster presented at the 61st Annual Meeting of the Psychonomics Society, Virtual Psychonomics.

(118)   *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2020, September). Using eye movements to index reading comprehension ability. Poster presented at the Annual Conference on Architectures and Mechanisms for Language Processing, Potsdam, Germany.

(117)   *Mézière, D., Yu, L., **Reichle, E. D.**, von der Malsburg, T., & McArthur, G. (2020, July). A comparison of three reading comprehension tests using eye movements. Paper was accepted for presentation at the 27th Annual Meeting of the Society for the Scientific Study of Reading, Newport Beach, CA, USA. [Conference was canceled due to COVID-19.]

(116)   **Reichle, E. D.** & Schotter, E. R. (2020, July). A computational analysis of the constraints on parallel word identification. Paper presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.

(115)   Veldre, A. & **Reichle, E. D.**, Yu, L., & Andrews, S. (2020, July). Towards a complete model of reading: Simulating lexical decision, word naming, and sentence reading with Über-Reader. Paper presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.

(114)   **Reichle, E. D.** (2019, November). Towards a model of reading. Paper presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Canada.

(113)   Veldre, A., Andrews, S., Yu, L., Drieghe, D., & **Reichle, E. D.** (2019, November). Towards a model of reading: Evaluating lexical decision performance of Über-Reader. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Canada.

(112)   **Reichle, E. D.** & Schotter, E. R. (2019, August). Using simulations to understand parafoveal preview and the nature of lexical processing during reading. Paper presented in E. Schotter & B. Payne (Chairs), *Word processing across space and time: Insights from eye tracking, electrophysiology, and computational model*. Symposium conducted at the 20th European Conference on Eye Movements, Alicante, Spain.

(111)   Veldre, A., **Reichle, E. D.**, *Wong, R. & Andrews, S. (2019, August). Contextual plausibility effects on word skipping during reading. Paper presented in E. Schotter & B. Payne (Chairs), *Word processing across space and time: Insights from eye tracking, electrophysiology, and computational model*. Symposium conducted at the 20th European Conference on Eye Movements, Alicante, Spain.

(110)   Yu, L., Liu, Y., & **Reichle, E. D.** (2019, August). A large-scale eye-movement study of Chinese reading: Implications for models of reading. Paper presented at the 20th European Conference on Eye Movements, Alicante, Spain.

(109)   Kruger, J.-L., *Liao, S., Yu, L., & **Reichle, E. D.** (2019, July). How the reading architecture adapts to dynamic multimodal contexts. Paper presented in E. Reichle (Chair), *The cognitive architecture of reading*. Symposium conducted at the 26th Annual Meeting of the Society for the Scientific Study of Reading, Toronto, Canada.

(108)   **Reichle, E. D.** Towards a model of the reading architecture. (2019, July). Paper presented in E. Reichle (Chair), *The cognitive architecture of reading*. Symposium conducted at the 26th Annual Meeting of the Society for the Scientific Study of Reading, Toronto, Canada.

(107)   *Liao, S., Kruger, J.-L., Yu, L., & **Reichle, E. D.** (2019, June). The impact of multiple redundancies on subtitle processing and cognitive load. Paper presented at the 8th Media for All International Conference, Stockholm University, Stockholm, Sweden.

(106)   **Reichle, E. D.** (2019, April). Towards a model of reading. Paper presented at the 46th Annual Conference of the Australasian Society for Experimental Psychology, Wellington, New Zealand.

(105)   Veldre, A., **Reichle, E. D.**, *Wong, R., & Andrews, S. (2019, April). Contextual plausibility effects on word skipping during reading. Paper presented at the 46th Annual Conference of the Australasian Society for Experimental Psychology, Wellington, New Zealand.

(104)   **Reichle, E. D.** (2018, April). The development of reading expertise: Exploratory analyses using E-Z Reader. Paper presented at the Center for Elite Performance, Expertise, and Training workshop, Macquarie University, Sydney, Australia.

(103)   Yu, Y. & **Reichle, E. D.** (2018, April). Eye-movement evidence for the mental representation of strokes in Chinese characters. Paper presented at the Australian Eye-Tracking Conference, Sydney, Australia.

(102)   **Reichle, E. D.** (2018, January). Towards a computational model of reading. Paper presented at the 2nd National Training Course for Psychological Statistics and Psychometric Teachers, Guangzhou, China.

(101)   *Walenchok, S. C., **Reichle, E. D.**, & Goldinger, S. G. (2017, November). Investigating the relationship between attention and occulomotor programming using lexical decision. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada.

(100)   Yu, L., Zhang, Q., *Priest, C., Sheridan, H., & **Reichle, E. D.** (2017, November). Character complexity effects in reading and visual search. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada.

(99)   Liu, Y. & **Reichle, E. D.** (2017, August). Eye-movement evidence for object-based attention in reading. Paper presented at the presented at the 19th European Conference on Eye Movements, Wuppertal, Germany.

(98)   **Reichle, E. D.** (2016, June). Towards a complete model of reading: Why it's important, preliminary results, and future endeavors. Paper presented at the First International Workshop of Reading Science: Our Current Understanding and Future Directions on Chinese Reading, Guangzhou, China.

(97)   Liu, Y. & **Reichle, E. D.** (2016, May). Further tests of a dynamic-adjustment account of saccade targeting during the reading of Chinese. Paper presented at the 7th China International Conference on Eye Movements, Changchun, China.

(96)   **Reichle, E. D.** (2016, May). Towards a complete model of reading. Keynote paper presented at the 7th China International Conference on Eye Movements, Changchun, China.

(95)   Yu, L., Zhang, Q., *Priest, C., Sheridan, H, & **Reichle, E. D.** (2016, May). Character complexity effects in reading and visual search: A comparison and theoretical implications. Paper presented at the 7th China International Conference on Eye Movements, Changchun, China.

(94) Sheridan, H., Reingold, E. M., & **Reichle, E. D.** (2015, November). Why does removing inter-word spaces produce reading deficits? Paper presented at the 56th Annual Meeting of the Psychonomics Society, Chicago, IL, USA.

(93) Menneer, T., Godwin, H. J., & **Reichle, E. D.** (2015, August). Manipulating lag-2 revisits during visual search reveals evidence for mixed influences for fixation termination during visual search. Paper presented at the 18th European Conference on Eye Movements, Vienna, Austria.

(92) **Reichle, E. D.** (2015, August). Computational modeling of reading: The "whole burrito". Paper presented at the 18th European Conference on Eye Movements, Vienna, Austria.

(91) Loboda, T. D. & **Reichle, E. D.** (2015, March). An eye-movement analysis of the visual and cognitive processes during mindful versus mindless reading. Paper presented at the Visual Aspects of Reading workshop, Grasmere, UK.

(90) **Reichle, E. D.** (2015, March). Computational modeling of reading. Paper presented at the Visual Aspects of Reading workshop, Grasmere, UK.

(89) Sheridan, H. & **Reichle, E. D.**, & Reingold, E. M. (2015, March). Using E-Z Reader to model fixation-duration distributions. Paper presented at the Visual Aspects of Reading workshop, Grasmere, UK.

(88) Godwin, H. J., & **Reichle, E. D.**, & Menneer, T. (2014, November). Modelling fundamental components of eye-movement control during visual search. Poster presented at the 22nd Annual Workshop on Object Perception, Attention, and Memory, Long Beach, CA, USA.

(87) Loboda, T. D. & **Reichle, E. D.** (2014, November). Detecting mindless reading from eye movements. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA, USA.

(86) *Mancheva, L., **Reichle, E. D.**, Guérin-Dugué, A., Lemaire, B., & Valdois, S. (2014, November). The development of reading skill: Exploratory analyses using the E-Z Reader model. Paper presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA, USA.

(85) Sheridan, H., **Reichle, E. D.**, Reingold, E. (2014, November). Using E-Z Reader to model distributions of fixation durations. Paper presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA, USA.

(84) *Walenchok, S. C., **Reichle, E. D.**, Goldinger, S. D. (2014, November). Dissociating attention and saccades: Evidence against a strict premotor theory of attention. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA, USA.

(83) *Mancheva, L., **Reichle, E. D.**, Guérin-Dugué, A., Lemaire, B., & Valdois, S. (2014, July). An analysis of reading skill development using the E-Z Reader model of eye-movement control in reading. Paper presented at the Meeting of the Experimental Psychology Society, Newcastle, UK.

(82) Sheridan, H. & **Reichle, E. D.** (2014, July). Using E-Z Reader to examine the time course of lexical effects on fixation durations during reading. Paper presented at the Meeting of the Experimental Psychology Society, Newcastle, UK.

(81) Liu, Y., **Reichle, E. D.**, & Li, X. (2014, May). Parafoveal processing affects out-going saccade length during the reading of Chinese. Paper presented at the 6th China International Conference on Eye Movements, Beijing, China.

(80)   **Reichle, E. D.** & Sheridan, H. (2014, May). Using E-Z Reader to examine the time course of lexical processing. Paper presented at the 6th China International Conference on Eye Movements, Beijing, China.

(79)   **Reichle, E. D.** (2013, October). Using E-Z Reader to simulate the eye movements of Chinese, English, and Finnish readers. Paper presented at the Symposium on Modeling Chinese Reading, Maynooth, Ireland.

(78)   **Reichle, E. D.** (2013, October). Practical example: Using E-Z Reader to examine developmental and cultural influences on readers' eye movements. Paper presented at the Symposium on Developmental Eye-Tracking Research in Reading, Hanover, Germany.

(77)   **Reichle, E. D.** (2013, September). The development of eye-movement control and reading skill. Paper presented at the Annual Meeting of the British Psychological Society's Cognitive and Developmental Sections, Reading, UK.

(76)   **Reichle, E. D.** & Dreighe, D. (2013, August). Using E-Z Reader to examine fixation-location measurement error. Paper presented at the 17th European Conference on Eye Movements, Lund, Sweden.

(75)   **Reichle, E. D.**, Liversedge, S. P., Dreighe, D., Blythe, H. I., Joseph, H. S. S. L., White, S. J., & Rayner, K. (2013, August). Using E-Z Reader to examine the concurrent development of eye-movement control and reading skill. Poster presented at the 17th European Conference on Eye Movements, Lund, Sweden.

(74)   **Reichle, E. D.** (2012, October). The use of eye movements to study L2 comprehension. Paper presented at the 31st Second Language Research Forum, Pittsburgh, PA, USA.

(73)   *Vanyukov, P. M., Warren, T., & **Reichle, E. D.** (2012, September). Effects of statistical learning in eye movement behavior during a visual search task. Poster presented at the 20th Annual Conference on Architectures and Mechanisms for Language Processing, Riva del Garda, Italy.

(72)   **Reichle, E. D.** & Drieghe, D. (2012, July). Using E-Z Reader to examine word skipping during reading. Paper presented at the Meeting of the Experimental Psychology Society, Bristol, UK.

(71)   **Reichle, E. D.** (2012, June). The development of eye-movement control during reading. Paper presented at the 5th China International Conference on Eye Movements, Dalian, China.

(70)   **Reichle, E. D.** (2012, June). Using E-Z Reader to examine the concurrent development of eye-movement control and reading skill. Paper presented in L. Cunning & B. Miller (Chairs), *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension.* Symposium conducted at Meeting of the Dyslexia Foundation, Tallinn, Estonia.

(69)   *Loboda, T. D. & **Reichle, E. D.** (2011, August). The effects of mind-wandering and working memory capacity on text comprehension. Poster presented at the 16th European Conference on Eye Movements, Marseilles, France.

(68)   *Loboda, T. D. & **Reichle, E. D.** (2011, August). Lag and successor effects during mindless reading. Paper presented at the 16th European Conference on Eye Movements, Marseilles, France.

(67)   **Reichle, E. D.**, Pollatsek, A., & Rayner, K. (2011, August). Using E-Z Reader to simulate eye movements in reading and non-reading tasks. Paper presented at the 16th European Conference on Eye Movements, Marseilles, France.

(66)   Reingold, E. M., **Reichle, E. D.**, Glaholt, M. G., & *Sheridan, H. (2011, August). Direct lexical control of eye movements in reading: Evidence from survival analyses of fixation durations. Paper presented at the 16th European Conference on Eye Movements, Marseilles, France.

(65)   *Vanyukov, P. M., Warren, T., & **Reichle, E. D.** (2011, August). Effect of frequency on eye movements in reading and visual search. Poster presented at the 16th European Conference on Eye Movements, Marseilles, France.

(64)   *Vanyukov, P. M., Warren, T., & **Reichle, E. D.** (2011, August). Emergence of frequency effects in eye movements. Paper presented at the 16th European Conference on Eye Movements, Marseilles, France.

(63)   White, S. J., Warren, T., Staub, A., & **Reichle, E. D.** (2011, August). The distribution of fixation durations during reading: Effects of stimulus quality and sentence wrap-up. Poster presented at the 16th European Conference on Eye Movements, Marseilles, France.

(62)   *Reineberg, A. E., **Reichle, E. D.**, Solomon, S. (2011, May). Reminders of death affect metaconsciousness during reading. Poster presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC, USA.

(61)   Williams, C. A., Pollatsek, A., & **Reichle, E. D.** (2011, May). Examining eye movements in visual search through clusters of objects in a circular array. Poster presented at the 11th Annual Meeting of the Vision Sciences Society, Naples, FL, USA.

(60)   Laurent, P. A. & **Reichle, E. D.** (2010, November). The localization of physical and cognitive reinforcement signals in the striatum. Paper presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, USA.

(59)   *Liu, Y. & **Reichle, E. D.** (2010, August). The emergence of adaptive eye movements in reading. Paper presented at the 32nd Annual Meeting of the Cognitive Science Society, Portland, OR, USA.

(58)   **Reichle, E. D.** (2010, May). The emergence of adaptive eye movements in reading. Paper presented at the 4th China International Conference on Eye Movements, Tianjin, China.

(57)   **Reichle, E. D.**, *Reineberg, A. E., & Schooler, J. W. (2009, November). Eye movements during mindless reading. Paper presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA, USA.

(56)   *Vanyukov, P. M., Warren, T., & **Reichle, E. D.** (2009, November). Searching for O: Evidence for cognitive control in eye-movement behavior. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA, USA.

(55)   *Laurent, P. A. & **Reichle, E. D.** (2009, August). Evaluating reinforcement learning of hand movements, eye movements, and covert shifts of attention in humans: A model-based fMRI study. Paper presented at the 15th European Conference on Eye Movements, Southampton, UK.

(54)   *Laurent, P. A. & **Reichle, E. D.** (2009, August). Using reinforcement learning to examine word-based parsing strategies in the reading of Chinese. Paper presented at the 15th European Conference on Eye Movements, Southampton, UK.

(53)   *Patson, N. D., Warren, T., & **Reichle, E. D.** (2009, August). Lexical and post-lexical complexity effects on eye movements in reading. Poster presented at the 15th European Conference on Eye Movements, Southampton, UK.

(52)   **Reichle, E. D.** & Warren, T. (2009, August). Modeling the interface between higher-level language processing and eye-movement control in reading. Paper presented in E. D. Reichle & T. Warren (Chairs), *Higher order influences on reading?* Symposium conducted at the 15th European Conference on Eye Movements, Southampton, UK.

(51)   *Vanyukov, P. M., **Reichle, E. D.,** Warren, T., & *Degani, T. (2009, August). Examining attention allocation in gaze-contingent visual search tasks using diffusion models. Paper presented at the 15th European Conference on Eye Movements, Southampton, UK.

(50)   Warren, T., **Reichle, E. D.**, & White, S. J. (2009, August). Wrap-up effects in reading: Evaluating E-Z Reader 10. Paper presented in E. D. Reichle & T. Warren (Chairs), *Higher order influences on reading?* Symposium conducted at the 15th European Conference on Eye Movements, Southampton, UK.

(49)   White, S. J., Warren, T., & **Reichle, E. D.** (2009, August). Effects of sentence position on parafoveal preview. Poster presented at the 15th European Conference on Eye Movements, Southampton, UK.

(48)   **Reichle, E. D.** (2009, April). Eye movements in reading: A functional role for split-foveal processing? Paper presented in T. Jordan & K. B. Paterson (Chairs), *Is there a role for split fovea processing in word recognition and reading?* Symposium conducted at the Meeting of the Experimental Psychology Society, Leicester, UK.

(47)   **Reichle, E. D.**, *Reineberg, A. E., & Schooler, J. W. (2009, March). An eye-movement study of mindless reading. Paper presented in K. Arrington (Chair), *Where cognitive flexibility meets mind wandering*. Symposium conducted at the Annual Meeting of the Eastern Psychological Association, Pittsburgh, PA, USA.

(46)   *Laurent, P. A., **Reichle, E. D.**, & Fiez, J. A. (2008, November). Does parallel anatomy translate to parallel computation in the basal ganglia? Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, USA.

(45)   Warren, T., *Patson. N. D., *Laurent, P. A., & **Reichle, E. D.** (2008, November). Revisting length and predictability effects on eye movements in reading. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL, USA.

(44)   *Vanyukov, P. M., *Degani, T., Warren, T., & **Reichle, E. D.** (2008, November). Examining attention allocation in visual search tasks. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL, USA.

(43)   **Reichle, E. D.** & Warren, T. (2008, June). Computational models of reading: Linking eye movements to sentence processing. Paper presented at the Third China International Conference on Eye Movement Studies, Zhuhai, China.

(42)   **Reichle, E. D.** (2008, March). Computational models of reading: Linking eye movements to sentence processing. Keynote paper presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC, USA.

(41)   Warren, T., White, S., & **Reichle, E. D.** (2008, March). Evidence for pausing, not wrap-up, effects in reading and implications for E-Z Reader 10. Poster presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC, USA.

(40)   *Laurent, P. A. & **Reichle, E. D.** (2007, August). Serial or parallel? Using reinforcement learning to examine attention allocation during reading. Paper presented at the 14th European Conference on Eye Movements, Potsdam, Germany.

(39)   **Reichle, E. D.**, Pollatsek, A., Juhasz, B. J., & Rayner, K. (2007, August). Higher-level language processing during reading: Using the E-Z Reader model to examine post-lexical integration. Paper presented at the 14th European Conference on Eye Movements, Potsdam, Germany.

(38)   *Vanyukov, P. M., **Reichle, E. D.**, *Laurent, P. A., *Morales, F. J., & Warren, T. (2007, August). Serial or parallel? Using depth of processing to examine attention allocation during reading. Poster presented at the 14th European Conference on Eye Movements, Potsdam, Germany.

(37)   Warren, T., *McConnell, K., & **Reichle, E. D.** (2007, August). Factors influencing effects of implausibility on eye movements during reading: Empirical results and implications for the E-Z Reader model. Paper presented at the 14th European Conference on Eye Movements, Potsdam, Germany.

(36)   White, S. J., Warren, T., & **Reichle, E. D.** (2007, August). Sentence wrap-up and parafoveal processing of sentence-initial words. Paper presented at the 14th European Conference on Eye Movements, Potsdam, Germany.

(35)   **Reichle, E. D.** (2007, July). The E-Z Reader model of eye-movement control during reading: Models and data. Paper presented in S. Liversedge (Chair), *Eye movements in reading and scene perception*. Symposium conducted at the Joint Meeting of the Society of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, UK.

(34)   *Laurent, P. A. & **Reichle, E. D.** (2006, September). Using reinforcement-learning agents to examine the allocation of attention during reading. Poster presented at 12th Annual Conference on Architectures and Mechanisms for Language Processing, Nijmegen, Netherlands.

(33)   *Nelson, J. R., Perfetti, C. A., & **Reichle, E. D.** (2006, June). Orthography and decisions about when to move the eyes during reading. Paper presented in P. Reitsma (Chair), *Orthographic learning*. Symposium conducted at the 13th Annual Meeting of the Society for the Scientific Study of Reading, Vancouver, Canada.

(32)   **Reichle, E. D.** & *Laurent, P. A. (2006, June). Using reinforcement learning to examine eye-movement control during reading. Paper presented at the European Collaborative Research Project, Potsdam, Germany.

(31)   **Reichle, E. D.**, Tokowicz, N., Liu, Y., & Perfetti, C. A. (2006, June). Using ERP to examine when the eyes move during reading. Paper presented in F. Hutzler & R. Radach (Chairs), *Spatial-temporal dynamics of information processing during reading*. Symposium conducted at the 13th Annual Meeting of the Society for the Scientific Study of Reading, Vancouver, Canada.

(30)   Schooler, J. W., Smallwood, J., McSpadden, M., *Halpern, D. V., & **Reichle, E. D.** (2006, June). Mind wandering during reading: An under appreciated source of comprehension failure. Paper presented at the 18th Annual Convention of the Association for Psychological Science, New York, NY, USA.

(29)   *Nelson, J. R., **Reichle, E. D.**, & Perfetti, C. A. (November, 2005). Components of word familiarity: Orthography controls eye movements during reading. Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.

(28)   Schooler, J. W., Smallwood, J., McSpadden, M., *Halpern, D. V., & **Reichle, E. D.** (November, 2005). Zoning out during reading: An under appreciated source of comprehension failure. Paper presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.

(27)   **Reichle, E. D.** & *Laurent, P. A. (August, 2005). Using reinforcement learning to understand the emergence of "intelligent" eye-movement control during reading. Paper presented at the 13th European Conference on Eye Movements, Bern, Switzerland.

(26)   **Reichle, E. D.**, Tokowicz, N., Liu, Y., & Perfetti, C. A. (August, 2005). Using ERP to examine the "eye-mind" link during reading. Paper presented at the 13th European Conference on Eye Movements, Bern, Switzerland.

(25)   **Reichle, E. D.**, *Landi, N., & Perfetti, C. A. (November, 2004). Emerging morpheme knowledge: Implications for reading skill. Paper presented at the 55th Annual Meeting of the International Dyslexia Association, Philadelphia, PA, USA.

(24)   **Reichle, E. D.** & *Laurent, P. A. (September, 2004). The emergence of "intelligent" eye-movement control during reading: A computational account. Poster presented at 10th Annual Conference on Architectures and Mechanisms for Language Processing 2004, Aix-en-Provence, France.

(23)   *Kim, S. Y., *Morales, F. J., & **Reichle, E. D.** (August, 2004). Exploring the bases of causal inferences. Poster presented at the 26th Annual Meeting of the Cognitive Science Society, Chicago, IL, USA.

(22)   **Reichle, E. D.** & Schooler, J. W. (August, 2004). Lapses in meta-cognition during reading. Paper presented at the 14th Annual Meeting for the Society for Text and Discourse, Chicago, IL, USA.

(21)   *Costello, M. C. & **Reichle, E. D.** (July, 2004). LSDNet: A neural network for multisensory perception. Poster presented at the 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA.

(20)   **Reichle, E. D.** (July, 2004). An overview of the E-Z Reader model: Comparisons to other models of eye-movement control. Paper presented at the 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA.

(19)   *Nelson, J. R., **Reichle, E. D.**, & Perfetti, C. A. (2004, June). Components of word familiarity. Paper presented in F. Hutzler (Chair), *Eye movements and reading*. Symposium conducted at the 11th Annual Meeting of the Society for the Scientific Study of Reading, Amsterdam, Netherlands.

(18)   **Reichle, E. D.**, Tokowicz, N., & Perfetti, C. A. (2004, June). Using ERP to examine eye-movement control during reading. Paper presented in F. Hutzler (Chair), *Eye movements and reading*. Symposium conducted at the Eleventh Annual Meeting of the Society for the Scientific Study of Reading, Amsterdam, Netherlands.

(17)   **Reichle, E. D.**, Pollatsek, A., & Rayner, K. (2004, May). Eye-movement control during reading: New simulations to evaluate core assumptions of the E-Z Reader model. Paper presented at the 6th European Workshop on Language Comprehension, Oléron, France.

(16)   Rayner, K., **Reichle, E. D.**, & Pollatsek, A. (2004, February). The E-Z Reader model of eye movement control in reading: Recent experiments and new simulations. Paper presented at the 33rd Conference on Perception and Cognition, Niagara Falls, Canada.

(15)   **Reichle, E. D.**, Rayner, K., & Pollatsek, A. (2003, August). Modeling eye movements in reading: Serial vs. parallel processing of words. Paper presented at the 12th European Conference on Eye Movements, Dundee, UK.

(14)   **Reichle, E. D.** & Mason, R. A. (2003, June). A computational account of neural signatures. Paper presented at the International Hanse-Conference on Higher Level Language Processes in the Brain: Inference and Comprehension Processes, Delmenhorst, Germany.

(13)   **Reichle, E. D.** (2002, September). E-Z Reader 7: Fleshing out a functional model with biological constraints. Paper presented at the Annual Retreat of the Center for the Neural Basis of Cognition, Seven Springs, PA, USA.

(12)   Perfetti, C. A., *Hart, L. A., & **Reichle, E. D.** (2001, November). Lexical quality and reading skill. Paper presented at the 42nd Annual Meeting of the Psychonomic Society, Orlando, FL, USA.

(11)   Schooler, J. W., **Reichle, E. D.**, & *Halpern, D. V. (2001, November). "Zoning out" during reading: Evidence for dissociations between experience and meta-awareness. Paper presented at the 42nd Annual Meeting of the Psychonomic Society, Orlando, FL, USA.

(10)   **Reichle, E. D.** & Perfetti, C. A. (2001, June). Modeling lexical constituent availability during visual word identification. Poster presented at the Annual Meeting of the Society for the Scientific Study of Reading, Boulder, CO, USA.

(9)   **Reichle, E. D.** (2000, November). A reconstructive theory of serial-order memory. Paper presented at the 41st Annual Meeting of the Psychonomic Society, New Orleans, LO, USA.

(8)   **Reichle, E. D.**, Just, M. A., & Carpenter, P. A. (2000, April). Cognitive workload and cortical activation in problem solving. Poster presented at the 7th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.

(7)   **Reichle, E. D.**, Carpenter, P. A., & Just, M. A. (1999, November). The cortical bases of strategy and skill in sentence-picture verification. Poster presented at the 40th Annual Meeting of the Psychonomic Society, Los Angeles, CA, USA.

(6)   **Reichle, E. D.**, Carpenter, P. A., & Just, M. A. (1998, June). The cortical systems mediating two sentence-picture verification strategies. Poster presented at the 4th International Conference on Functional Mapping of the Human Brain, Montreal, Canada.

(5)   Rayner, K., Pollatsek, A., & **Reichle, E. D.** (1998, April). Eye movement control in reading: Modeling and data. Paper presented at the 5th European Workshop on Language Comprehension, Luminy, France.

(4)   **Reichle, E. D.**, Pollatsek, A., Fisher, D. L., & Rayner, K. (1996, August). A model of eye movements in reading. Paper presented at the 29th Annual Meeting of the Society of Mathematical Psychology, Chapel Hill, NC, USA.

(3)   Jones, C. M. & **Reichle, E. D.** (1995, November). An exemplar based model of spatial inferences. Poster presented at the 36th Annual Meeting of the Psychonomic Society, Los Angeles, CA, USA.

(2)   **Reichle, E. D.**, Pollatsek, A., Fisher, D. L., & Rayner, K. (1995, November). Toward a model of eye movements in reading. Paper presented at the 36th Annual Meeting of the Psychonomic Society, Los Angeles, CA, USA.

(1)   **Reichle, E. D.** & Dark, V. J. (1990, May). Semantic priming does not require a deep level of processing. Paper presented at the Midwestern Psychological Association Convention, Chicago, IL, USA.

INVITED COLLOQUIA

- Bournemouth University, Bournemouth, UK
- Florida State University, Tallahassee, FL, USA
- Gettysburg College, Gettysburg, PA, USA
- Hanse-Wissenschaftskolleg, Delmenhorst, Germany
- Institute of Psychology, Chinese Academy of Sciences, Beijing, China ($\times$ 2)
- Kent State University, Kent, OH, USA
- Macquarie University, Sydney, Australia ($\times$ 4)
- Max Planck Institut für Psycholinguistik, Neijmegen, Netherlands
- Michigan State University, East Lansing, MI, USA
- Pennsylvania State University, State College, PA, USA
- Poznan University of Technology, Poznan, Poland
- Sun Yat-Sen University, Zhouhai, China ($\times$ 2)
- Tianjin Normal University, Tianjin, China
- Universität Potsdam, Potsdam, Germany
- University of Dundee, Dundee, UK
- University of Edinburgh, Edinburgh, UK
- University of Exeter, Exeter, UK
- University of Glasgow, Glasgow, UK
- University of Grenoble, Grenoble, France
- University of Leicester, Leicester, UK ($\times$ 2)
- University of North Carolina at Chapel Hill, Chapel Hill, NC, USA
- University of Oregon, Eugene, OR, USA
- University of Oxford, Oxford, UK
- University of Pittsburgh, Pittsburgh, PA, USA ($\times$ 2)
- University of Southampton, Southampton, UK ($\times$ 4, Leverhulme lecture series)
- University of Sydney, Sydney, Australia
- University of Western Sydney, Sydney, Australia
- University of Wollongong, Wollongong, Australia

INVITED WORKSHOPS

- Arizona State University, Tempe, AZ, USA (2-day cognitive modeling workshop)
- City University of Hong Kong, Hong Kong, China (2-day seminar on reading research)
- Macquarie University, Department of Cognitive Science, North Ryde, NSW, Australia (2-day cognitive modeling workshop for IDEALAB)
- Sun Yat-Sen University, Guangzhou, China (2-day cognitive modeling workshop)
- University of Dundee, Dundee, UK (2-day cognitive modeling workshop)
- University of Southampton, Southampton (2-day cognitive modeling workshop)

TEACHING EXPERIENCE

Instructor, Macquarie University (2017-present):
    • *Honor's Seminar: Computational Models in Psychology*

- *Design and Statistics III*

Guest Lecturer, Macquarie University (2017-present):
- *Undergraduate Seminar: Advanced Topics (Reading in the Past, Present, and Future)*; lecture: Super Models of Reading
- *Undergraduate Seminar: Cognitive Processes II*; lecture: Reading in Humans and Machines

Instructor, University of Southampton (2013-2017):
- *Graduate Seminar: Computational Modeling*
- *Language & Memory*, University of Southampton

Guest Lecturer, University of Southampton (2013-2017):
- *Undergraduate Seminar: Eye Movements and Visual Cognition*; lecture: Modeling Eye-Movement Control in Reading

Instructor, University of Pittsburgh (2001-2013):
- *Cognitive Psychology*
- *Graduate Seminar: Computational Modeling*
- *Graduate Seminar: Neuroscience Journal Club*
- *Graduate Statistics*
- *Research Methods*

Guest Lecturer, University of Pittsburgh (2001-2013):
- *Graduate Seminar: Memory*; lecture: Memory Models
- *Graduate Research Methods*; lectures: (1) Eye-Tracking Methods; (2) Computational Modeling; (3) Advanced Statistical Methods

Instructor, University of Massachusetts at Amherst (1990-1997):
- *Cognitive Psychology*
- *Honors Cognitive Psychology*

EXTERNAL GRANT SUPPORT

- Australian Research Council, Australia (DP200100311)   2020-2022
  When reading takes off: Children's word learning during independent reading
  Total costs: $755,422 AUD
  Project role: Co-PI (Castles, A., Co-PI; Beyersmann, L., Co-I; Nation, K., Co-I)

- Australian Research Council, Australia (DP190100719)   2019-2021
  Tracking towards a complete model of skilled reading comprehension
  Total costs: $366,513 AUD
  Project role: Co-PI (Andrews, S. J., Co-PI; Drieghe, D., Co-I)

- Australian Government, Department of Defense, DSTG   2019-2021
  Developing responsive and adaptive artificial-agents for team training
  Total costs: $483,674 AUD
  Project role: Co-I (Richardson, M., PI; Kallen, R., PI; Dras, M., Co-I; Nalepka, P., Co-I)

- Biotext, Ltd., Australia   2019
  Developing a clear communication index for health information
  Total costs: $46,525 AUD
  Project role: Co-I (Kruger, J.-L., PI; Peters, P., Co-I; Stanford, R., Co-I; Irish, J., Co-I; Yu, L., Co-I)

- Economic and Social Research Council, UK   2018-2020

Revealing the implications of reading strategy for reading behavior and comprehension
Total costs: £387,136
Project role: Co-I (White, S. J., Primary Investigator; Paterson, K., Co-I)

- National Institute of Health, USA (RO1HD075800)   2013-2018
Cognitive load in the bilingual brain: Insights from disengaged reading
Total costs: $3,194,540 US
Project role: Co-I (Goldinger, S. D., PI; Papesh, M. H., Co-I; Tokowicz, N., Co-I)

- National Institute of Health, USA (RO1HD053639)   2007-2012
Eye movement control: Coordinating perception, cognition, and action in reading
Total costs: $1,125,000 US
Project role: PI (Warren, T., Co-I)

- Institute of Education Sciences, USA (R305H030235)   2002-2005
Lapses in meta-cognition during reading: Understanding comprehension failure
Total costs: $690,658 US
Project role: Co-PI (Schooler, J. W., Co-PI)

- Institute of Educational Sciences, USA (R305G020006)   2001-2004
Learning words: Antecedents and consequences of word knowledge
Total costs: $609,996 US
Project role: Co-I (Perfetti, C. A., PI; Beck, I. L., Co-I; McKeown, M. G., Co-I)

- Alexander von Humboldt Foundation: Trans-Coop Program, Germany   2002-2005
Towards a unified theory of inferencing: Relating on- and off-Line measures of text comprehension to the foundational theoretical positions of the field as well as to each other
Total costs: $37,790 US
Project role: Co-I (Schmalhofer, F., PI; Perfetti, C. A., Co-I; Griego, J., Co-I)

INTERNAL GRANT SUPPORT

- Macquarie University, Faculty Research Infrastructure Fund, Australia   2019
Portable, VR, and multi-agent eye-tracking
Total costs: $144,786 AUD
Project role: Co-I (Richardson, M., PI; Yu, L., Co-I; Kallen, R., Co-I; Nalepka, P., Co-I; Patil, G., Co-I; Kruger, J.-L., Co-I; Ryan, M., Co-I)

- Macquarie University, ARC Legacy Support Scheme, Australia   2019
Tracking and modeling the acquisition of morphological knowledge when learning to read novel words
Total costs: $14,412 AUD
Project role: Co-I (Beyersmann, L., PI; Castles, A., Co-I)

- Macquarie University, Faculty Research Infrastructure Fund, Australia   2018
FHS eye-tracking facilities
Total costs: $144,786 AUD
Project role: PI (Kruger, J.-L., Co-I; McArthur, G., Co-I; Ryan, M., Co-I; Wiggins, M., Co-I)

- Macquarie University, Strategic Priority Grants Scheme, Australia   2018
Student engagement in online learning – Psychology via OUA
Total costs: $150,000 AUD
Project role: Co-I (Beath, A., PI; Irwin, J., Co-I)

- Zayed University, Research Incentive Fund (RIF), UAE   2017-2019
  An eye-tracking and computational modeling investigation of Arabic word identification and sentence reading
  Total costs: $41,000 US
  Project role: Co-I (Hermena, E. W., PI; Jordan, T. R., Co-I; Sheen, M., Co-I)

- Strategic Interdisciplinary Research Development Fund (SIRDF), UK   2014-2015
  The "Modeling Our World" seminar series
  Total costs: £10,000
  Project title: PI (Glautier, S. P., Co-I; Niblo, G. A., Co-I; Pitarakis, J.-Y., Co-I)

- Pittsburgh Science of Learning Center, USA   2006-2007
  A word-experience model of Chinese character learning
  Total costs: $46,830 US ($34,629 direct costs; $12,202 indirect costs)
  Project role: PI (Perfetti, C. A., Co-I; Liu, Y., Co-I)

SERVICE

Editorial:
- Editorial Board, *Journal of Eye Movement Research*: 2011-present
- Editorial Board, Cognitive Science of Language section of *Language and Linguistics Compass*: 2015-present
- Editorial Board, *Psychological Review*: 2004-2009, 2010-2015
- Editorial Board, *Scientific Reports*: 2023-present
- Editorial Board, *Visual Cognition*: 2005-2011, 2012-present
- Guest Editor, *Cognitive Systems Research*: 2006 special issue on computational models of eye-movement control during reading
- Guest Associate Editor, *Quarterly Journal of Experimental Psychology*: 2017 special issue in honor of Keith Rayner
- Ad hoc reviewer for the following funding agencies: (1) Australian Research Council; (2) Economic and Social Research Council (UK); (3) Institute of Education Sciences (USA); (4) Leverhulme Trust (UK)
- Ad hoc reviewer for the following journals: (1) *Acta Psychologica*; (2) *Applied Cognitive Psychology*; (3) *Attention, Perception, & Psychophysics*; (4) *Behavior Research Method*; (5) *British Journal of Psychology*; (6) *Canadian Journal of Experimental Psychology*; (7) *Cerebral Cortex*; (8) *Child Development*; (9) *Cognition*; (10) *Cognitive, Affective, and Behavioral Neuroscience*; (11) *Cognitive Psychology*; (12) *Cognitive Science*; (13) *Computational Brain & Behavior*; (14) *Consciousness and Cognition*; (15) *Current Directions in Psychological Science*; (16) *Emotion*; (17) *Experimental Brain Research*; (18) *Human Factors*; (19) *i-Perception*; (20) *Journal of Cognitive Neuroscience*; (21) *Journal of Cognitive Psychology*; (22) *Journal of Cognitive Science*; (23) *Journal of Experimental Psychology:* General; (24) Journal *of Experimental Psychology: Human Perception and Performance*; (25) *Journal of Experimental Psychology: Learning, Memory, and Cognition*; (26) *Journal of Eye Movement Research*; (27) *Journal of Memory and Language;* (28) *Journal of Neuroscience, Psychology, and Economics*; (29) *Journal of Psycholinguistics Research*; (30) *Journal of Vision*; (31) *Language and Linguistics Compass*; (32) *Language, Cognition and Neuroscience*; (33) *Language Learning and Development*; (34) *Memory & Cognition*; (35) *Nature Communications*; (36) *Neuropsychologia*; (37) *Neuropsychology*; (38) *PeerJ*; (39) *Perception & Psychophysics*; (40) *PLOS ONE*; (41) *Proceedings of the National Academy of Sciences*; (42) *Psychological Science*; (43) *Psychology and Aging*; (44) *Psychonomic Bulletin & Review*; (45) *Psychophysiology*; (46) *Quarterly*

Journal of Experimental Psychology; (47) *Schizophrenia Bulletin*; (48) *Science*; (49) *Scientific Data*; (50) *Vision Research*; (51) *Visual Cognition*

Macquarie University (2017-present):
• Center for Emotional Health - Advisory Committee: 2022-2023
• Department of Linguistics - Course Reaccreditation Review Panel: 2023
• Faculty of Human Sciences - Internationalization Committee: 2018-2019
• Faculty of Medicine, Health, and Human Sciences - Work Health Safety Committee: 2020-2022
• Macquarie University - Level E Promotions Committee: 2021-present
• Macquarie University - "Your Say" Survey Champion: 2019
• Macquarie University Center for Elite Performance, Expertise, and Training - Member: 2017-2022
• Macquarie University Center for Reading - Executive Committee: 2019-2022
• MEG Executive Committee - Chair: 2023-present
• School of Psychological Sciences - Emergency First Aid Responder: 2022-present

University of Southampton (2013-2017):
• Center for Vision and Cognition - Co-Director: 2015
• Psychology - Athena SWAN Committee on Equity: 2015-2016
• Psychology - Chair, Search Committee for Head of School of Psychology: 2015
• Psychology - Post-Graduate Training Coordinator: 2013-2015
• Psychology - Research Ethics Committee: 2017
• Psychology - Well-being Implementation Team: 2017
• University of Southampton - "Modeling Our World" Seminar Series Steering Committee: 2014-2016
• University of Southampton - Staff-Engagement Committee: 2017

University of Pittsburgh (2001-2013):
• CNBC - Annual Retreat Co-Organizer: 2002
• CNBC - Education Committee: 2001-2002, 2002-2003, 2003-2004
• CNBC - Executive Committee: 2001-2002, 2002-2003, 2003-2004
• Cognitive Program - Chair: 2008-2009
• Cognitive Program - Graduate Admissions Committee: 2003-2004, 2004-2005
• Cognitive Program - Graduate Curriculum Committee: 2005-2006 (chair), 2006-2007
• LRDC - Computer Services Committee: 2001-2002
• LRDC - Technology Committee Faculty Liaison: 2011-2013
• LRDC / Education - Senior Reading Faculty Search Committee: 2006-2007
• LRDC / Psychology - High-Level Cognition Faculty Search Committee: 2010-2011
• LRDC / Psychology - Reading/Language Faculty Search Committee (chair): 2003-2004
• LRDC / Psychology - Senior Reading/Language Faculty Search Committee: 2001-2002
• LRDC / Psychology / C.N.B.C. - Cognitive-Neuroscience Faculty Search Committee: 2001-2002, 2002-2003, 2003-2004
• Psychology - Colloquium Committee: 2011-2012
• Psychology - Executive Committee: 2008-2009
• Psychology - Graduate Education Committee: 2008-2009
• Psychology - Quantitative/Statistics Faculty Search Committee: 2003-2004
• Psychology - Representative, University of Pittsburgh Applied Statistics Education Committee: 2001-2002
• Psychology - Space Committee: 2005-2007
• Psychology - Website Committee: 2005-2007
• Psychology - Director of *Tim Post Award for Research Excellence*: 2005-2011

- University of Pittsburgh - Competitive Medical Research Fund, Reviewer: 2007

Other Misc. Professional:
- Program Committee, 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA: 2004
- Reviewer, Institute of Education Sciences (full proposal review panel): 2005, 2007
- Scientific Advisory Board, 16th European Conference on Eye Movements, Marseilles, France: 2011
- Symposium Organizer and Chair, *The cognitive architecture of reading*, 26th Annual Meeting of the Society for the Scientific Study of Reading, Toronto, Canada: 2019
- Symposium Organizer and Co-Chair, *Higher order influences on reading*, 15th European Conference on Eye Movements, Southampton, UK: 2009
- Symposium Organizer and Chair, *Models of eye-movement control during reading*, 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA: 2004
- Symposium Organizer and Chair, *Models of eye-movement control during reading*, 12th European Conference on Eye Movements, Dundee, UK: 2003
- Treasurer, The Psychology Foundation of Australia: 2020-present

POST-DOCTORATE MENTORING

- Tomek Loboda, PhD (2013-2018)
- Sixin Liao, PhD (2022-present)
- Heather Sheridan, PhD (2013-2015)
- Aaron Veldre, PhD (2017-present)
- Roslyn Wong, PhD (2023-present)

POST-GRADUATE STUDENT MENTORING

Macquarie University (2017-present):
- Amber Bunting - psychology (co-supervisor)
- Sixin Liao, PhD - linguistics (co-supervisor)
- Diane Mézière, PhD - cognitive science (co-supervisor)
- Myriam Pitre - psychology (co-supervisor)
- Mathew Pratts, MRes - psychology (co-supervisor)
- Jin Tian - MRes research rotation (2023) (primary supervisor)
- Andrew Tran, PhD - psychology (primary supervisor)
- Joshua Vinson, MRes - psychology (co-supervisor)
- Xin Yi Yap - MRes (secondary supervisor)

University of Southampton (2013-2017):
- Sheenie Au-Yeung, PhD - cognitive psychology (viva internal examiner)
- Nicholas Hedger, PhD - cognitive psychology (viva internal examiner)
- Caspian (Imogen) Priest, MSc - cognitive psychology (co-supervisor)

University of Pittsburgh (2001-2013):
- Michal Balass, PhD - cognitive psychology (committee member)
- Donald Bolger, PhD - cognitive psychology (committee member)
- Karin Cox, PhD - cognitive psychology (committee member)
- Trinity Crapse, PhD - neuroscience (committee member)
- Tamar Degani, PhD - cognitive psychology (committee member)
- Susan Dunlap, PhD - cognitive psychology (committee member)
- Rhiannon Ellis, PhD - cognitive psychology (committee member)

- Charles Grier, PhD - cognitive psychology (committee member)
- Sara Guediche, PhD - neuroscience (committee member)
- David Halpern, MS - cognitive psychology (committee member)
- Anthony Harrison, PhD - cognitive psychology (committee member)
- Lesley Hart, PhD - cognitive psychology (committee member)
- Say Young Kim, MS - cognitive psychology (supervisor)
- Nicole Landi, PhD - cognitive psychology (committee member, IGERT co-supervisor)
- Patryk Laurent, PhD - neuroscience (supervisor)
- Tomek Loboda, PhD - information sciences (co-supervisor)
- Katherine Martin, MA - linguistics (committee member)
- Kerry McConnell, MS - cognitive psychology (co-supervisor)
- Jessica Nelson, PhD - cognitive psychology (committee member)
- Amy Overman, PhD - cognitive psychology (committee member)
- Nikole Patson-Huffman, PhD - cognitive psychology (committee member)
- Elisabeth Ploram, PhD - cognitive psychology (committee member)
- Suzy Sherf, PhD - developmental psychology (committee member)
- Leida Tolentino, PhD - cognitive psychology (committee member)
- Elizabeth Tricomi, PhD - cognitive psychology (committee member)
- Julie Van Dyke, PhD - cognitive psychology (committee member)
- Steve Wilson, PhD - clinical psychology (committee member)

Other Misc. Universities:
- Mackenzie Glaholt, PhD - cognitive psychology, University of Toronto, Canada (external committee member)
- Michael Hout, PhD - cognitive psychology, Arizona State University, AZ, USA (external committee member)
- Yanping Liu, PhD - cognitive psychology, Sun Yat-Sen University, China (fellowship supervisor, co-supervisor)
- Lyuba Mancheva, PhD - cognitive science, University of Grenoble, France (research supervisor, external committee member)
- Megan Papesh, PhD - cognitive psychology, Arizona State University, AZ, USA (external committee member)
- Calen Walshe, PhD - cognitive psychology, University of Edinburgh, UK (viva external examiner)

UNDERGRADUATE, DIRECTED RESEARCH, & HONORS STUDENT MENTORING

Macquarie University (2017-present):
- Baxter Brown - BPsych Honors (2022) (primary supervisor)
- Pooja Chivukula - BPsych Honors (2022) (secondary supervisor)
- Eduardo Conception - BPsych Honors (2019) (primary supervisor)
- Katherine Crichton - BPsych Honors (2021) (primary supervisor)
- Leah Dawson - BPsych Honors (2022) (secondary supervisor)
- Julian Rifkin - BPsych Honors (2020) (supervisor)
- Hannah Rosmarin - BPsych Honors (2020) (supervisor)
- Isabella Rossettin - BPsych Honors (2018) (supervisor)
- Diya Sham - BPsych Honors (2023) (primary supervisor)
- Rebecca Sara - BPsych Honors (2023) (secondary supervisor)
- Michael Tafft - BPsych Honors (2021) (secondary supervisor)
- Giang Tran - BPsych Honors (2022) (secondary supervisor)

- Max Wrenn - BPsych Honors (2023) (primary supervisor)
- Xin Yi Yap - BPsych Honors (2021) (secondary supervisor)

University of Southampton (2013-2017):
- Joshua Ali - BSc Honors (2015) (supervisor)
- Nicola Baker - BSc Honors (2016) (supervisor)
- Joshua Bradley - BSc Honors (2015) (supervisor)
- Rachel Frimpong-Santeng - BSc Honors (2016) (supervisor)
- Luca Kiss - BSc Honors (2017) (supervisor)
- Laura Martinez - BSc Honors (2015) (supervisor)
- Lucia Mayer - BSc Honors (2017) (supervisor)
- Mitchell Parsons - BSc Honors (2015) (supervisor)
- Caspian (Imogen) Priest - BSc Honors (2014) (co-supervisor)
- Andy Sudgen - BSc Honors (2015) (supervisor)
- Lucy Sykes - BSc Honors (2015) (supervisor)
- Jakub Trzcinski - BSc Honors (2014) (supervisor)

University of Pittsburgh (2001-2013):
- Charles Blake - Psychology Honor's Thesis (2003) (committee member)
- Rajiv Desai - directed research (2002) (co-supervisor)
- Adrienne DiFonso - directed research (2009) (co-supervisor)
- Stephen Gonzalez - undergraduate teaching assistant (2007) (co-supervisor)
- Amanda Good - Psychology Honor's Thesis (2006) (committee member)
- Michael Hout - undergraduate teaching assistant (2005) (supervisor)
- Samantha Keller - directed research (2003) (co-supervisor)
- Hetal Kharecha - directed research (2005) (co-supervisor)
- Stephanie Lamison - internship sponsor (2003) (co-supervisor)
- Francisco Morales - directed research (2005) (supervisor)
- Alexander Mosby - directed research (2005) (supervisor)
- Marla Nathans - directed research (2004) (co-supervisor)
- Sarah Orban - directed research (2009); Psychology Honor's Thesis (2010) (supervisor)
- Alison Perch - directed research (2007) (co-supervisor)
- Andrew Reineberg - directed research (2008); Psychology Honor's Thesis (2009) (supervisor)
- Darin Roodman - undergraduate teaching assistant (2004) (co-supervisor)
- Madeline Root - Psychology Honor's Thesis (2005) (committee member) (co-supervisor)
- Courtney Smith - undergraduate teaching assistant (2005); Psychology Honor's Thesis (2007) (committee member)
- Charishma Soni - undergraduate teaching assistant (2011) (supervisor)
- Carrie Theisen - Psychology Honor's Thesis (2002) (committee member)
- Karl Wahlen - undergraduate teaching assistant (2012) (supervisor)
- Stephen Walenchok - directed research (2009); Psychology Honor's Thesis (2010) (supervisor)
- Brett Wiewiora - Psychology Honor's Thesis (2005) (supervisor)