

CURRICULUM VITAE

Erik D. Reichle

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Department of Psychology
University of Pittsburgh
635 LRDC, 3939 O'Hara St.
Pittsburgh, PA 15260

Office: (412) 624-7457
Fax: (412) 624-9149
E-mail: reichle@pitt.edu
Web-site: www.pitt.edu/~reichle

EDUCATION

- Ph.D., Cognitive Psychology, University of Massachusetts at Amherst, 1997
- M.S., Cognitive Psychology, University of Massachusetts at Amherst, 1993
- B.S., Psychology, Iowa State University, 1990

ACADEMIC EMPLOYMENT HISTORY

- Associate Professor of Psychology, University of Pittsburgh, 2006-present
- Assistant Professor of Psychology, University of Pittsburgh, 2001-2006
- Research Scientist, Learning Research & Development Center (LRDC), University of Pittsburgh, 2001-present
- Post-Doctoral Fellow, University of Pittsburgh, 2000-2001
- Post-Doctoral Fellow, Carnegie Mellon University, 1997-2000

INTERESTS

- Research: (1) attention; (2) computational models; (3) eye-movement control; (4) reading; and (5) word identification
- Teaching: (1) *Cognitive Psychology*; (2) *Computational Modeling*; (3) *Research Methods*; (4) *Sensation & Perception*; and (5) *Statistics*

PROFESSIONAL AFFILIATIONS

- *Association for Psychological Science*, Member
- *Behavioral and Brain Sciences*, Associate
- *Center for Neuroscience*, University of Pittsburgh, Training Faculty
- *Center for the Neural Basis of Cognition*, Faculty Affiliate
- *Cognitive Science Society*, Member
- *Experimental Psychology Society*, Associate
- *Psychonomic Society*, Member

HONORS & FELLOWSHIPS

- Leverhulme 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

BOOKS

- **Reichle, E. D.** (2012). *Computational models of reading*. Oxford University Press. Manuscript in preparation.

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

- **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.
- **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*. Manuscript in press.
- 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*. Manuscript in press.
- *Vanyukov, P. M., Warren, T., Wheeler, M. E., & **Reichle, E. D.** (2012). The emergence of frequency effects in eye movements. *Cognition*. Manuscript in press.
- **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.
- 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.
- 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.
- 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*. Manuscript in press.
- *Liu, Y. & **Reichle, E. D.** (2010). The emergence of adaptive eye movements in reading. In S. Ohlsson & R. Catrbone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 1136-1141). Austin, TX: Cognitive Science Society.
- Rayner, K. & **Reichle, E. D.** (2010). Models of the reading process. *WIREs Cognitive Science*, *1*, 787-799.
- **Reichle, E. D.**, *Reineberg, A. E., & Schooler, J. W. (2010). An eye-movement study of mindless reading. *Psychological Science*, *21*, 1300-1310.
- 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.
- 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.
- **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.

- **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.
- 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.
- Warren, T., White, S. J., & **Reichle, E. D.** (2009). Wrap up effects can be independent of interpretative processing: Evidence from eye movements. *Cognition*, *111*, 132-137.
- 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.
- **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.]
- 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.
- 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.
- Pollatsek, A., **Reichle, E. D.**, & Rayner, K. (2006b). Attention to one word at a time is still a viable hypothesis: Rejoinder to Inhoff, Eiter, and Radach. *Journal of Experimental Psychology: Human Perception and Performance*, *32*, 1496-1500.
- 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.
- 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.
- **Reichle, E. D.** (2006). Theories of the “eye-mind” link: Computational models of eye-movement control during reading. *Cognitive Systems Research*, *7*, 2-3.
- **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.
- **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.
- 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.
- Rayner, K., Pollatsek, A., & **Reichle, E. D.** (2003). Eye movements in reading: Models and data. *Behavioral and Brain Sciences*, *26*, 507-518.

- **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.
- **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.
- **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.
- 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.
- **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.
- **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.
- **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

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

- 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: MIT Press.
- 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, England: Elsevier.
- **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: Kluwer Academic.
- 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, England: Elsevier.
- 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: Routledge.
- 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, England: Elsevier.

SUBMITTED MANUSCRIPTS (Note: * indicates student co-authors)

- Laurent, P. A. & **Reichle, E. D.** Motor and non-motor reward-related signals in the striatum. Manuscript submitted for review.
- *Liu, Y. & **Reichle, E. D.**, & Gao, D.-G. Using reinforcement learning to examine dynamic attention allocation during reading. Manuscript submitted for review.
- *Vanyukov, P. M., **Reichle, E. D.**, Warren, T., & *Degani, T. Serial vs. Parallel? Using visual search to examine attention allocation during reading. Manuscript submitted for review.
- Williams, C. C., Pollatsek, A., & **Reichle, E. D.** Examining eye movements in visual search through clusters of objects in a circular array. Manuscript submitted for review.

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

- *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.
- *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.
- **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.

- 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.
- *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.
- 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.
- *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.
- *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.
- 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.
- 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.
- *Liu, Y. & **Reichle, E. D.** (2010, August). The emergence of adaptive eye movements in reading. Paper presented at the Annual Meeting of the Cognitive Science Society, Portland, OR, USA.
- **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.
- **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.
- *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.
- *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.
- *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.
- *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.
- **Reichle, E. D.** & Warren, T. (2009, August). Modeling the interface between higher-level language processing and eye-movement control in reading. In E. D. Reichle & T. Warren

(Chairs), *Higher order influences on reading?* Symposium conducted at the 15th European Conference on Eye Movements, Southampton, UK.

- *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.
- Warren, T., **Reichle, E. D.**, & White, S. J. (2009, August). Wrap-up effects in reading: Evaluating E-Z Reader 10. In E. D. Reichle & T. Warren (Chairs), *Higher order influences on reading?* Symposium conducted at the 15th European Conference on Eye Movements, Southampton, UK.
- 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.
- **Reichle, E. D.** (2009, April). Eye movements in reading: A functional role for split-foveal processing? 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.
- **Reichle, E. D.**, *Reineberg, A. E., & Schooler, J. W. (2009, March). An eye-movement study of mindless reading. In K. Arrington (Chair), *Where cognitive flexibility meets mind wandering.* Symposium conducted at the Annual Meeting of the Eastern Psychological Association, Pittsburgh, PA, USA.
- *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.
- Warren, T., *Patson, N. D., *Laurent, P. A., & **Reichle, E. D.** (2008, November). Revisiting length and predictability effects on eye movements in reading. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL, USA.
- *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.
- **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.
- **Reichle, E. D.** (2008, March). Computational models of reading: Linking eye movements to sentence processing. Paper presented at the CUNY Conference on Human Sentence Processing, Chapel Hill, NC, USA.
- 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.
- *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.
- **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.

- *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.
- 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.
- 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.
- **Reichle, E. D.** (2007, July). The E-Z Reader model of eye-movement control during reading: Models and data. 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.
- *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 2006, Nijmegen, The Netherlands.
- *Nelson, J. R., Perfetti, C. A., & **Reichle, E. D.** (2006, June). Orthography and decisions about when to move the eyes during reading. In P. Reitsma (Chair), *Orthographic learning*. Symposium conducted at the 13th Annual Meeting of the Society for the Scientific Study of Reading, Vancouver, Canada.
- **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.
- **Reichle, E. D.**, Tokowicz, N., Liu, Y., & Perfetti, C. A. (2006, June). Using ERP to examine when the eyes move during reading. 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.
- 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.
- *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.
- 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.
- **Reichle, E. D.** & *Laurent, P. A. (August, 2005). Using reinforcement learning to understand the emergence of “intelligent” eye-movement control during reading. Paper to be presented at the 13th European Conference on Eye Movements, Bern, Switzerland.

- **Reichle, E. D.**, Tokowicz, N., Liu, Y., & Perfetti, C. A. (August, 2005). Using ERP to examine the “eye-mind” link during reading. Paper to be presented at the 13th European Conference on Eye Movements, Bern, Switzerland.
- **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.
- **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.
- *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.
- **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.
- *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.
- **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.
- *Nelson, J. R., **Reichle, E. D.**, & Perfetti, C. A. (2004, June). Components of word familiarity. 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, The Netherlands.
- **Reichle, E. D.**, Tokowicz, N., & Perfetti, C. A. (2004, June). Using ERP to examine eye-movement control during reading. 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, The Netherlands.
- **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.
- 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.
- **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, Scotland.
- **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.

- **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.
- 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.
- 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.
- **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.
- **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.
- **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.
- **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.
- **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.
- 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.
- **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.
- 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.
- **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.
- **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

- 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)
- Florida State University, Tallahassee, FL, USA
- Gettysburg College, Gettysburg, PA, USA
- Hanse-Wissenschaftskolleg, Delmenhorst, Germany

- Kent State University, Kent, OH, USA
- Max Planck Institut für Psycholinguistik, Neijmegen, The Netherlands
- Michigan State University, East Lansing, MI, USA
- The Pennsylvania State University, State College, PA, USA
- Poznan University of Technology, Poznan, Poland
- Sun Yat-Sen University, Guangzhou, China (2-day cognitive modeling workshop)
- Sun Yat-Sen University, Zhouhai, China
- University of Leicester, Leicester, United Kingdom
- University of North Carolina at Chapel Hill, Chapel Hill, NC, USA
- University of Oregon, Eugene, OR, USA
- University of Pittsburgh, Pittsburgh, PA, USA
- Universität Potsdam, Potsdam, Germany

TEACHING EXPERIENCE

Instructor:

- *Cognitive Psychology*, University of Massachusetts at Amherst, University of Pittsburgh
- *Graduate Seminar: Computational Modeling*, University of Pittsburgh
- *Graduate Seminar: Neuroscience Journal Club*, University of Pittsburgh
- *Graduate Statistics*, University of Pittsburgh
- *Honors Cognitive Psychology*, University of Massachusetts at Amherst
- *Research Methods*, University of Pittsburgh

Guest Lecturer:

- *Graduate Seminar: Memory*, University of Pittsburgh, lecture: memory models
- *Graduate Research Methods*, University of Pittsburgh, lectures: (1) eye-tracking methods; (2) computational modeling; (3) advanced statistical methods

GRANT SUPPORT

- National Institute of Health (RO1HD053639) 2007-2012
Eye Movement Control: Coordinating Perception, Cognition, and Action in Reading
Projected total costs: \$1,125,000 (\$1,069,406 direct costs; \$455,954 indirect costs)
Project title: P.I. (Warren, T., Co-P.I.)
- Pittsburgh Science of Learning Center 2006-2007
A Word-Experience Model of Chinese Character Learning
Projected total costs: \$46,830 (\$34,629 direct costs; \$12,202 indirect costs)
Project title: P.I. (Perfetti, C. A., Co-P.I.; Liu, Y., Co-P.I.)
- Institute of Education Sciences (R305H030235) 2002-2005
Lapses in Meta-Cognition During Reading: Understanding Comprehension Failure
Total costs: \$690,658 (\$490,604 direct costs; \$199,964 indirect costs)
Project title: P.I. (Schooler, J. W., Co-P.I.)
- Institute of Educational Sciences (R305G020006) 2001-2004
Learning Words: Antecedents and Consequences of Word Knowledge
Total costs: \$609,996 (\$431,152 direct costs; \$178,844 indirect costs)
Project title: Co-P.I. (Perfetti, C.A., P.I.; Beck, I. L., Co-P.I.; McKeown, M. G., Co-P.I.)
- Alexander von Humboldt Foundation: Trans-Coop Programme 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

Project title: Co-P.I. (Schmalhofer, F., P.I.; Perfetti, C. A., Co-P.I.; Griego, J., Co-P.I.)

SERVICE

Editorial:

- Editorial Board, *Journal of Eye Movement Research*: 2011-present
- Editorial Board, *Psychological Review*: 2004-2009, 2010-present
- Editorial Board, *Visual Cognition*: 2005-present
- Ad hoc reviewer for the following journals: (1) *Acta Psychologica*; (2) *Applied Cognitive Psychology*; (3) *Attention, Perception, & Psychophysics*; (4) *Canadian Journal of Experimental Psychology*; (5) *Cerebral Cortex*; (6) *Cognition*; (7) *Cognitive, Affective, and Behavioral Neuroscience*; (8) *Cognitive Science*; (9) *Consciousness and Cognition*; (10) *Current Directions in Psychological Science*; (11) *Emotion*; (12) *Human Factors*; (13) *Journal of Cognitive Neuroscience*; (14) *Journal of Experimental Psychology: Human Perception and Performance*; (15) *Journal of Experimental Psychology: Learning, Memory, and Cognition*; (16) *Journal of Eye Movement Research*; (17) *Journal of Neuroscience, Psychology, and Economics*; (18) *Memory & Cognition*; (19) *Neuropsychologia*; (20) *Neuropsychology*; (21) *Perception & Psychophysics*; (22) *Psychological Science*; (23) *Psychonomic Bulletin & Review*; (24) *Psychophysiology*; (25) *Quarterly Journal of Experimental Psychology*; (26) *Science*; and (27) *Vision Research*

Other Misc. Professional:

- Program committee, 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA
- Reviewer, Institute of Education Sciences (full proposal review panel): 2005, 2007
- Scientific Advisory Board, 16th European Conference on Eye Movements, Marseilles, France
- Symposium organizer and co-chair, *Higher order influences on reading*, 15th European Conference on Eye Movements, Southampton, UK
- Symposium organizer and chair, *Models of eye-movement control during reading*, 6th International Conference on Cognitive Modeling, Pittsburgh, PA, USA
- Symposium organizer and chair, *Models of eye-movement control during reading*, 12th European Conference on Eye Movements, Dundee, UK

University of Pittsburgh Community:

- 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
- 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-Level Reading/Language Faculty Search Committee: 2001-2002
- LRDC/Psychology/CNBC - Cognitive-Neuroscience Faculty Search Committee: 2001-2002, 2002-2003, 2003-2004
- 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 - Web-site Committee: 2005-2007
- Psychology - Director of *Tim Post Award for Research Excellence*, 2005-present
- University of Pittsburgh - Competitive Medical Research Fund, Reviewer, 2007

GRADUATE STUDENT MENTORING

- Michal Balass - cognitive psychology (committee member)
- Donald Bolger, Ph.D. - cognitive psychology (committee member)
- Karin Cox - cognitive psychology (committee member)
- Trinity Crapse, Ph.D. - neuroscience (2010) (committee member)
- Tamar Degani - cognitive psychology (committee member)
- Susan Dunlap - cognitive psychology (committee member)
- Rhiannon Ellis, Ph.D. - cognitive psychology (committee member)
- Mackenzie Glaholt, Ph.D. (at University of Toronto) - cognitive psychology (external committee member)
- Charles Grier, Ph.D. - cognitive psychology (committee member)
- Sara Guediche, Ph.D. - neuroscience (committee member)
- David Halpern, M.S. - cognitive psychology (committee member)
- Anthony Harrison, Ph.D. - cognitive psychology (committee member)
- Lesley Hart, Ph.D. - cognitive psychology (2005) (committee member)
- Michael Hout (at Arizona State University) - cognitive psychology (external committee member, 2010)
- Nikole Huffman - cognitive psychology (committee member)
- Say Young Kim, M.S. - cognitive psychology (**advisor**)
- Nicole Landi, Ph.D. - cognitive psychology (2005) (committee member, IGERT co-advisor)
- Patryk Laurent, Ph.D. - neuroscience (2009) (**advisor**) – currently a post-doctoral researcher at The Johns Hopkins University
- Yanping Liu (at Sun Yat-Sen University, China) - cognitive psychology (fellowship **advisor**, 2010)
- Tomek Loboda - information sciences (committee member, **co-advisor**)
- Katherine Martin - linguistics (committee member)
- Kerry McConnell, M.S. - cognitive psychology (**co-advisor**)
- Jessica Nelson - cognitive psychology (committee member)
- Amy Overman, Ph.D. - cognitive psychology (2006) (committee member)
- Nikole Patson-Huffman, Ph.D. - cognitive psychology (2011) (committee member)
- Megan Papesh (at Arizona State University) - cognitive psychology (external committee member, 2009)
- Elisabeth Ploram - cognitive psychology (committee member)
- Suzy Sherf, Ph.D. - developmental psychology (2003) (committee member)
- Leida Tolentino - cognitive psychology (committee member)
- Elizabeth Tricomi, Ph.D. - cognitive psychology (2006) (committee member)
- Julie Van Dyke, Ph.D. - cognitive psychology (2002) (committee member)
- Steve Wilson, Ph.D. - clinical psychology (committee member)

UNDERGRADUATE STUDENT MENTORING

- Charles Blake - Psychology Honor's Thesis (2003) (committee member)
- Rajiv Desai - directed research (2002)
- Adrienne DiFonso - directed research (2009)

- Stephen Gonzalez - undergraduate teaching assistant (2007)
- Amanda Good - Psychology Honor's Thesis (2006) (committee member)
- Michael Hout - undergraduate teaching assistant (2005)
- Samantha Keller - directed research (2003)
- Hetal Kharecha - directed research (2005)
- Stephanie Lamison - internship sponsor (2003)
- Francisco Morales - directed research (2005)
- Alexander Mosby - directed research (2005)
- Marla Nathans - directed research (2004)
- Sarah Orban - directed research (2009); Psychology Honor's Thesis (2010) (**advisor**)
- Alison Perch - directed research (2007)
- Andrew Reineberg - directed research (2008); Psychology Honor's Thesis (2009) (**advisor**)
- Darin Roodman - undergraduate teaching assistant (2004)
- Madeline Root - Psychology Honor's Thesis (2005) (committee member)
- Courtney Smith - undergraduate teaching assistant (2005); Psychology Honor's Thesis (2007) (committee member)
- Carrie Theisen - Psychology Honor's Thesis (2002) (committee member)
- Stephen Walenchok - directed research (2009); Psychology Honor's Thesis (2010) (**advisor**)
- Brett Wiewiora - Psychology Honor's Thesis (2005) (**advisor**)