

## CURRICULUM VITAE

July, 2007

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### DAVID FENCSEK

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#### Academic Appointments

2003–2007 Research Fellow, Visual Attention Laboratory, Brigham and Women's Hospital and Harvard Medical School, Boston, MA

#### Education

1996–2003 University of Michigan, Ann Arbor, Michigan  
Ph.D. in Psychology, 2003  
M.A. in Psychology, 1999  
M.A. in Statistics, 1999

1992–1996 Lewis & Clark College, Portland, OR  
B.S. in Psychology, 1996

#### Awards

2004 National Institutes of Health National Research Service Award Postdoctoral Fellowship  
2003 Horace H. Rackham Dissertation Fellowship  
1997 National Science Foundation Graduate Fellowship  
1996 Horace H. Rackham First-Year Graduate Fellowship

#### Teaching Experience

2002 Cognitive Psychology Research Lab  
Graduate Student Instructor, University of Michigan  
2000–2001 Advanced Statistical Methods  
Graduate Student Instructor, University of Michigan  
2000 Human Neuropsychology  
Graduate Student Instructor, University of Michigan  
1999 Introduction to Psychology  
Graduate Student Instructor, University of Michigan

### **Publications**

Fencsik, D. E., Klieger, S. B., & Horowitz, T. S. (2007). The role of location and motion information in the tracking and recovery of moving objects. *Perception & Psychophysics*, *69*, 567–577.

Horowitz, T. S., Fine, E. M., Fencsik, D. E., Yurgenson, S., & Wolfe, J. M. (2007). Fixational eye movements are not an index of covert attention. *Psychological Science*, *18*, 356–363.

Horowitz, T. S., Fencsik, D. E., Fine, E. M., Yurgenson, S., & Wolfe, J. M. (2007). Microsaccades and attention: Does a weak correlation make an index? Reply to Laubrock, Engbert, Rolfs, & Kliegl (2007). *Psychological Science*, *18*, 367–368.

Horowitz, T. S., Klieger, S. B., Fencsik, D. E., Yang, K. K., Alvarez, G. A., & Wolfe, J. M. (2007). Tracking unique objects. *Perception & Psychophysics*, *69*, 172–184.

Fencsik, D. E., Urrea, J., Place, S. S., Wolfe, J. M., & Horowitz, T. S. (2006). Velocity cues improve visual search and multiple object tracking. *Visual Cognition*, *14*, 92–95.

Horowitz, T. S., Birnkrant, R. S., Fencsik, D. E., Tran, L., & Wolfe, J. W. (2006). How do we track invisible objects? *Psychonomic Bulletin & Review*, *13*, 516–523.

Gehring, W. J. & Fencsik, D. E. (2001). Functions of the medial frontal cortex in the processing of conflict and errors. *Journal of Neuroscience*, *21*, 9430–9437.

Schumacher, E. H., Seymour, T. L., Glass, J. M., Fencsik, D. E., Lauber, E. J., Kieras, D. E., & Meyer, D. E. (2001). Virtually perfect timesharing in dual-task performance: Uncorking the central cognitive bottleneck. *Psychological Science*, *12*, 101–108.

### **Manuscripts in Preparation**

Fencsik, D. E., Place, S. S., & Horowitz, T. S. *Rapid recovery of moving targets following task disruption*. (in preparation)

Fencsik, D. E., Seymour, T. L., Mueller, S. T., Kieras, D. E., & Meyer, D. E. *Representation and processing of objects and object features in visual working memory*. (submitted)

Wolfe, J. M., Fencsik, D. E., Horowitz, T. S., & Flusberg, S. J. *Visual search has no foresight: An event-related measure of sensitivity during search*. (submitted)

### **Doctoral Dissertation**

*Representation and Processing of Objects and Object Features in Visual Working Memory*. Committee: David Meyer (chair), William Gehring, David Kieras, and Patricia Reuter-Lorenz.

### **Conference Presentations**

Fencsik, D. E., Place, S. S., Wolfe, J. M., & Horowitz, T. S. (2007). *Faster is not neces-*

*sarily better in visual search.* Poster presented at the 7th Annual Meeting of the Vision Sciences Society, Sarasota, FL, May 11–16.

Fencsik, D. E., Horowitz, T. S., Flusberg, S. J., & Wolfe, J. M. (2006). *Change detection has no foresight: Measuring advanced knowledge of changes across displays.* Talk presented at the 6th Annual Meeting of the Vision Sciences Society, Sarasota, FL, May 5–10.

Horowitz, T. S., Fine, E. M., Fencsik, D. E., Yurgenson, S., & Wolfe, J.M. (2006). *Fixational eye movements do not predict attentional benefits.* Talk presented at the 6th Annual Meeting of the Vision Sciences Society, Sarasota, FL, May 5–10.

Wolfe, J. M., Horowitz, T. S., Fencsik, D. E., & Flusberg, S. J. (2006). *Visual search has no foresight.* Talk presented at the 6th Annual Meeting of the Vision Sciences Society, Sarasota, FL, May 5–10.

Wolfe, J. M., Flusberg, S. J., Fencsik, D. E., & Horowitz, T. S. (2005). *Visual search has no foresight: An event-related signal detection approach to speeded visual search tasks.* Talk presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, ON, November 10–13.

Fencsik, D. E., Horowitz, T. S., Place, S. S., Klieger, S. B., & Wolfe, J. M. (2005). *Target tracking during interruption in the multiple object tracking task.* Poster presented at the 5th Annual Meeting of the Vision Sciences Society, Sarasota, FL, May 6–11.

Horowitz, T. S., Klieger, S. B., Wolfe, J. M., Fencsik, D. E., & Alvarez, G. A. (2004). *How many unique objects can you track?* Talk presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN, November 18–21.

Horowitz, T. S., Klieger, S. B., Wolfe, J. M., Alvarez, G. A., & Fencsik, D. E. (2004). *Do you know what you are tracking?* Poster presented at the 27th Annual Meeting of the European Conference on Visual Perception (ECVP), Budapest, Hungary, August 22–26.

Fencsik, D. E., Horowitz, T. S., Klieger, S. B., & Wolfe, J. M. (2004). *Target reacquisition strategies in multiple object tracking.* Poster presented at the 4th Annual Meeting of the Vision Sciences Society, Sarasota, FL, April 30–May 5.

Horowitz, T. S., Birnkrant, R. S., Wolfe, J. M., Tran, L., & Fencsik, D. E. (2004). *Tracking invisible objects.* Poster presented at the 4th Annual Meeting of the Vision Sciences Society, Sarasota, FL, April 30–May 5.

Fencsik, D. E., Seymour, T. L., Mueller, S. T., Kieras, D. E., & Meyer, D. E. (2002). *Representation, retention, and recognition of information in visual working memory.* Poster presented at the 43rd Annual Meeting of the Psychonomic Society, Kansas City, MO, November 21–24.

Meyer, D.E., Kieras, D. E., Schumacher, E. H., Fencsik, D., & Glass, J. M. B. (2001). *Prerequisites for virtually perfect time sharing in dual-task performance.* Paper presented at the annual meeting of the Psychonomic Society, Orlando, FL, November 15–18.

Gehring, W. J., & Fencsik, D. (1999). *Slamming on the brakes: An electrophysiological study of error response inhibition.* Poster presented at the annual meeting of the

Cognitive Neuroscience Society, Washington, DC, April 10–13.

Fencsik, D., & Nilsen, E. (1997). *To tap or not to tap: Button actions on a trackpad*. Paper presented at the meeting of the Western Psychological Association.

Nilsen, E., Emerson, M., Fencsik, D., & Isenberg, Z. (1997). *When relative mapping is absolutely better: A study of a hybrid input device*. Paper presented at the meeting of the Western Psychological Association.

Nilsen, E., Fencsik, D., Smith, A., Solares, L., & Stratton, S. (1995). *Reducing visual stress symptoms of VDT users with prescription eyeglasses*. Proceedings of the Conference on Human Factors in Computing, CHI '95. Denver, CO, May 7–11.

## **Research Topics**

Visual working memory

Attention in dynamic displays

Visual information accumulation during brief presentations

Executive control in multiple-task performance

Error detection and correction

## **Professional Activities**

Professional Memberships: *American Psychological Society, Vision Sciences Society*

Ad hoc Reviewer: *Acta Psychologica, Behavioural Brain Research, Cognition, Journal of Experimental Psychology: Human Perception and Performance, Perception & Psychophysics, Psychological Research, Psychological Science, Quarterly Journal of Experimental Psychology, Visual Cognition*

## **References**

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Todd Horowitz, Harvard Medical School, Boston, MA  
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David Meyer, University of Michigan, Ann Arbor, MI  
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