

Curriculum Vitae (updated July 4, 2008)

David E. Huber

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Research Areas

- Explicit and implicit forms of memory and perception
- Computational models of behavior (Bayesian and neural network)
- Neural dynamics (ERP and MEG)

Education

- Ph.D. Joint degree in Cognitive Psychology and Cognitive Science with a minor in Neuroscience and a certificate in mathematical modeling and another in dynamical systems. Indiana University, 2000.
Advisor: Richard M. Shiffrin.
- B.A. in Psychology and Physics with Honors, Williams College, 1991.

Professional Employment

- Assistant Professor. University of California, San Diego, Department of Psychology. 2006-
- Assistant Professor. University of Maryland, Department of Psychology. 2003-2005.
- Postdoctoral Fellow. University of Colorado, Institute of Cognitive Science. Advisors: Randy O'Reilly, Michael C. Mozer & Tim Curran 1999-2003.
- Research Assistant, Jeroen G. W. Raaijmakers, 1994
- Research Assistant, Richard M. Shiffrin, 1991-1993

Honors

- “Featured Presenter” at 2nd annual Science Leadership Conference, hosted by APA’s Science Directorate and the Board of Scientific Affairs, 2006
- “Early Investigator Award”, Society of Experimental Psychologists, 2006
- “New Investigator Award”, American Psychological Association, for an article appearing in *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 2003
- “Young Investigator Award”, Society of Mathematical Psychology, 2001
- “Outstanding Dissertation Award”, Indiana University Cognitive Science Program, 2000

Honorary Societies

- Member of the Society of Experimental Psychologists (SEP)

Current Funding

- PI, Academic Senate Bridge Funding, “A stochastic judgment model of recall: Separating memory, confidence, and correlation”, RH174G-HUBER, 2008 (\$25,000 direct costs over 1 year).
- PI, Academic Senate award, “Semantic Satiation: Simulating MEG data”, RH174G-HUBER, 2008 (\$2,581 direct costs over 1 year).

Previous Funding/Fellowships

- co-PI, NIH R01, “Modeling Perception and Memory: Studies in Priming”, MH063993-04, 2004-2007 (\$675,000 direct costs over 3 years).
- PI, Academic Senate award, “Measuring Behavioral Inhibition: Deciding versus Braking”, RH237G-HUBER, 2007-2008 (\$10,000 direct costs over 1 year).
- PI, Academic Senate award, “The Dynamics of Face Perception”, RF839C-HUBER, 2006-2007 (\$7,638 direct costs over 1 year).
- co-PI, NIH R01, “Modeling Perception and Memory: Studies in Priming”, MH63993-01, 2001-2004 (\$450,000 direct costs over 3 years).
- University of Colorado, Institute of Cognitive Science, Postdoctoral Fellowship, 1999-2001
- Indiana University College of Arts and Sciences (COAS) Dissertation Year Research Fellowship 1998
- National Science Foundation (NSF) Graduate Research Fellowship (DGE-9253867 006), 1995 – 1998

Peer Reviewed Research Papers (* corresponding author)

Published Research Articles (21 total: 11 first author, 3 advised student author)

Book chapters (3 total: 1 first author)

Submitted or in revision (4 total: 1 first author, 3 advised student author)

Priming

- Rieth, C. A., & Huber, D. E. (submitted). Priming and habituation for faces: Individual differences and inversion effects.
- *Huber, D. E., Winkielman, P., Parsa, A., & Chun, W. Y. (in revision). Too much of a good thing: Testing a Bayesian model of evaluative priming.
- *Huber, D. E. (2008). Immediate Priming and Cognitive Aftereffects. *Journal of Experimental Psychology: General*, 137, 324-347.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2008). Prime diagnosticity in short-term repetition priming: Is primed evidence discounted even when it reliably indicates the correct answer? *Journal of Experimental Psychology: Learning Memory and Cognition*, 34(2), 257-281.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2005). Confusion and compensation in visual perception: Effects of spatiotemporal proximity and selective attention. *Journal of Experimental Psychology: Human Perception and Performance*, 31, 40-61.
- *Huber, D. E., Shiffrin, R. M., Lyle, K. B., & Quach, R. (2002). Mechanisms of source confusion and discounting in short-term priming 2: Effects of prime similarity and target duration. *Journal of Experimental Psychology: Learning Memory and Cognition*, 28, 1120-1136.
- *Huber, D. E., Shiffrin, R. M., Quach, R., & Lyle, K. B. (2002). Mechanisms of source confusion and discounting in short-term priming 1: Effects of prime duration and prime recognition. *Memory & Cognition*, 30, 745-757.
- *Huber, D. E., Shiffrin, R. M., Lyle, K. B., & Ruys, K. I. (2001). Perception and preference in short-term word priming. *Psychological Review*, 108(1), 149-182.

Memory

- Jang, Y., Wixted, J., Huber, D. E. (submitted). Testing signal-detection models of yes/no and two-alternative forced-choice recognition memory.
- Tomlinson, T. D., Huber, D. E., Rieth, C. A., & Davelaar, E. J. (in revision). An interference account of forgetting in the no-think paradigm.

- *Huber, D. E., Clark, T. F., Curran, T., & Winkielman, P. (in press). Effects of repetition priming on recognition memory: Testing a perceptual fluency-disfluency model. *Journal of Experimental Psychology: Learning Memory and Cognition*
- Jang, Y. & *Huber, D. E. (2008). Context retrieval and context change in free recall: Recalling from long-term memory drives list isolation. *Journal of Experimental Psychology: Learning Memory and Cognition*, 34, 112-127.
- Shiffrin, R. M., Huber, D. E., & Marinelli, K. (1995). Effects of category length and strength on familiarity in recognition. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, Vol. 21, No. 2, 267-287.
- *Huber, D. E., Marinelli, K., Ziemer, H. E., & Shiffrin, R. M. (1992). Does memory activation grow with list strength and/or length? *Proceedings of the 14th Annual Conference of the Cognitive Science Society*, (pp 147-152). Hillsdale, NJ: Erlbaum Associates. [40% acceptance rate]

Cognitive Neuroscience

- *Huber, D. E., Tian, X., Curran, T., O'Reilly, C., & Woroch, B. (in press). Interpreting ERPs with a biologically-based neural network: The dynamics of integration and separation: ERP, MEG, and neural network studies of immediate repetition effects. *Journal of Experimental Psychology: Human Perception and Performance*.
- Tian, X. & Huber, D. E. (2008). Measures of spatial similarity and response magnitude in MEG and scalp EEG. *Brain Topography*, 20(3), 131-141.
- Zhang, H., Liu, J., Huber, D.E., Rieth, C., Stiles, J., Tian, J., Lee, K. (2008). Detecting faces in pure noise images: An fMRI study on top-down perception. *Neuroreport*, 19, 229-233.

Theoretical / Computational

- *Huber, D. E. (2008). Causality in time: Explaining away the future and the past. In M. Oaksford and N. Chater (Eds.). *The probabilistic mind: Prospects for rational models of cognition*. Oxford University Press. 351-376.
- *Huber, D. E. (2006). Computer simulations of the ROUSE model: an analytic method and generally applicable techniques for producing parameter confidence intervals. *Behavior Research Methods*, 38, 557-568.
- Rieth, C. A., & Huber, D. E. (2005). Using a neural network model with synaptic depression to assess the dynamics of feature-based versus configural processing in face identification. *Proceedings of the 27th Annual Conference of the Cognitive Science Society*. (pp 1856-1861). Hillsdale, NJ: Erlbaum Associates. [26% acceptance rate].
- *Huber, D. E., & Cousineau, D. (2004). A race model of perceptual forced choice reaction time. *Proceedings of the 25th Annual Conference of the Cognitive Science Society*. (pp 687-692). Hillsdale, NJ: Erlbaum Associates. [24% acceptance rate].
- Colagrosso, M. D., Mozer, M. C., & Huber, D. E. (2004). Mechanisms of skill refinement: A model of long-term repetition priming. *Proceedings of the 25th Annual Conference of the Cognitive Science Society*. (pp 316-321). Hillsdale, NJ: Erlbaum Associates. [24% acceptance rate]
- *Huber, D. E., & O'Reilly, R. C. (2003). Persistence and accommodation in short-term priming and other perceptual paradigms: Temporal segregation through synaptic depression. *Cognitive Science: A Multidisciplinary Journal*, 27, 403-430.
- Mozer, M. C., Colagrosso, M. D., & Huber, D. E. (2002). A rational analysis of cognitive control in a speeded discrimination task. In T. Dietterich, S. Becker, & Ghahramani, Z. (Eds.) *Advances in Neural Information Processing Systems XIV* (pp. 51-57). Cambridge, MA: MIT Press. [30% acceptance rate; impact rating (CiteSeer): 1.06, top 20.96%].

- *Huber, D. E. (1998). The development of synchrony between oscillating neurons. *Proceedings of the 20th Annual Conference of the Cognitive Science Society*, (502-507). Hillsdale, NJ: Erlbaum Associates. [acceptance rate not available].
- Nobel, P. A. & Huber, D. E. (1993). Modeling forced-choice associative recognition through a hybrid of global recognition and cued-recall. *Proceedings of the 15th Annual Conference of the Cognitive Science Society*, (pp 783-788). Hillsdale, NJ: Erlbaum Associates.[22% acceptance rate]

Review Articles

- Winkielman, P. & Huber, D. E. (in press). Dynamics and evaluation: The warm glow of processing fluency. In Meyers, R. A. (Ed.), *Encyclopedia of Complexity and Systems Science*. Springer Verlag.
- Wagenmakers, E. M., Zeelenberg, R., Huber, D. E., Raaijmakers, J. G. W., Shiffrin, R. M., & Schooler, L. J. (2003). REMI and ROUSE: Quantitative Models for Long-Term and Short-Term Priming in Perceptual Identification. In Marsolek, C. J., & Bowers, J. S. (Eds.), *Rethinking Implicit Memory*. Oxford University Press.

Technical Reports

- Huber, D. E., Shiffrin, R. M., Lyle, K. B., & Ruys, K. I. (1999). Perception and preference in short-term word priming. Technical Report #237, Indiana University, Cognitive Science Program.
- Shiffrin, R. M., Huber, D. E., & Marinelli, K. (1993). Effects of Length and Strength on Familiarity in Recognition. Technical Report #94, Indiana University, Cognitive Science Program.

Invited Talks

- “Connecting probabilistic models of cognition and neural networks”, Berkeley, California, 2008.
- Department of Psychology, San Diego State University, California, 2008.
- “Dynamics of cognitive processing: Choice, attention, emotion”, Birkbeck, University of London, 2006
- “The probabilistic mind: Prospects for rational models of cognition”, Gatsby Computational Neuroscience Unit, 2006
- Laboratoire de Psychologie Sociale et Cognitive, CNRS, Clermont-Ferrand, France, 2005
- Department of Psychology, Penn State University, State College, Pennsylvania, 2005
- Institute of Pure and Applied Mathematics (IPAM), “Probabilistic Models of Cognition” workshop, University of California, Los Angeles, California, 2005.
- Department of Psychology, University of California, San Diego, California, 2005.
- Department of Psychology, George Mason University, Fairfax, Virginia, 2005.
- Department of Psychology, Ohio State University, Columbus, Ohio, 2003.
- Department of Psychology, University of Bern, 2003.
- Department of Psychology, Colorado State University, Fort Collins, Colorado, 2003.
- Department of Psychology, University of Denver, Denver, Colorado, 2003.
- *35th Annual Mathematical Psychology Meeting*, Miami University, Oxford, Ohio, 2002.
- Department of Psychology, University of Maryland, College Park, Maryland, 2002.
- Department of Cognitive Sciences, University of California, Irvine, California, 2002.
- Department of Psychology, University of California, Riverside, California, 2002.

Conference Presentations (* presented)

- Tomlinson, T. D., *Huber, D. E., Rieth, C. A., & Davelaar, E. J. (2008). An Interference account of Cue-Independent Forgetting in the No-Think Paradigm. *Seventh Annual Summer Interdisciplinary Conference*, Madonna di Campiglio, Italy.

- Rieth, C. A. & *Huber, D. E. (2008). Humans in the mist: Measuring top-down face perception with noise only classification images. *Annual Meeting of the Society of Experimental Psychologists (SEP)*, Bloomington, Indiana
- Huber, D. E., Tian, X., Curran, T., O'Reilly, C., & Worocho, B. (2008). Constraining ERP source estimation with a formal model of perceptual temporal dynamics. *Perceptual Expertise Network (PEN) Workshop XVI*, Banff, Alberta, Canada.
- Finklea, K., Huber, D. E., & McKenzie, C. R. (2008). Perceptual Differences in the Own Race Bias: A Multidimensional Scaling Analysis. *Western Psychological Association Annual Conference*, Irvine, CA.
- Finklea, K., Huber, D. E., & McKenzie, C. R. (2008). Perceptual Differences in the Own Race Bias: A Multidimensional Scaling Analysis. *American Psychology-Law Society Annual Conference*, Jacksonville, FL.
- Jang, Y. & *Huber, D. E. (2008). Context retrieval and context change in free recall: Recalling form long-term memory drives list isolation. *Context and Episodic Memory Symposium*, Tampa, Florida.
- Davelaar, E. J., Tomlinson, T., Rieth, C. A., Huber, D. E. (2008). A response interference account of forgetting in the no-think paradigm. *Context and Episodic Memory Symposium*, Tampa, Florida.
- Jang, Y. Huber, D. E., & Wallsten, T. S. (2008). Improving judgments of learning: Better retrieval explains the testing-JOL effect but better judgments explains the delayed-JOL effect. *Context and Episodic Memory Symposium*, Tampa, Florida.
- *Huber, D. E., Fazendeiro, T., Curran, T., & Winkielman, P. (2007). Perceptual disfluency effects in recognition memory. *48th Annual meeting of the Psychonomic Society*, Long Beach, CA.
- Jang, Y., Wixted, J. T., Huber, D. E. (2007). The Relationship Between Old/New and Forced-Choice Recognition Memory Performance.. *48th Annual meeting of the Psychonomic Society*, Long Beach, CA.
- Jang, Y., *Huber, D. E., & Wallsten T. S. (2007). A stochastic judgment model of recall: Separating measurement, memory, and correlation. *40th Annual Mathematical Psychology Meeting*, Irvine, California.
- Jang, Y., Wixted, J. T., Huber, D. E. (2007). Testing the unequal-variance, dual-process, and mixture signal-detection models in yes/no and two-alternative forced-choice recognition. *40th Annual Mathematical Psychology Meeting*, Irvine, California.
- Jang, Y., *Huber, D. E., & Wallsten T. S. (2007). A stochastic judgment model of recall: Separating measurement, memory, and correlation. *Sixth Annual Summer Interdisciplinary Conference*, Kalymnos, Greece.
- Weidemann, C., Huber, D. E., & Shiffrin, R. M.. (2007). How predictive information affects object identification. *Annual Meeting of the Society of Experimental Psychologists (SEP)*, Storrs, Connecticut
- Weidemann, C., Huber, D. E., & Shiffrin, R. M.. (2007). How predictive information affects object identification. *32nd Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- Davelaar, E. J. & *Huber, D. E. (2006). Preview benefits and deficits in the Eriksen flanker task. *47th Annual meeting of the Psychonomic Society*, Houston, Texas.
- Jang, Y., Huber, D. E., & Wallsten T. S. (2006). Stochastic Models of Judgments of Learning. *39th Annual Mathematical Psychology Meeting*, Vancouver, British Columbia.
- *Huber, D. E. (2006). A factorial hidden markov model of perception and working memory. *39th Annual Mathematical Psychology Meeting*, Vancouver, British Columbia.
- Davelaar, E. J. & Huber, D. E. (2006). Preview benefits in visual selective attention: "Hang-on-a-second!". *Fifth Annual Summer Interdisciplinary Conference*, Åndalsnes, Norway.
- Rieth, C. A., & *Huber, D. E. (2006). Individual Differences in Face Processing as Revealed with Priming. *Fifth Annual Summer Interdisciplinary Conference*, Åndalsnes, Norway.

- *Huber, D. E., & Jang, Y. (2006). Retroactive interference and context change in episodic free recall. *Annual Meeting of the Society of Experimental Psychologists (SEP)*, La Jolla, California.
- *Huber, D. E., Jang, Y., & Van Overschelde, J. P., (2005). Using sampling and recovery to estimate context and item effects in memory. *46th Annual meeting of the Psychonomic Society*, Toronto, Ontario.
- Jang, Y., & Huber, D. E. (2005). Memory Cueing and Context Discrimination in Recall and Recognition. *38th Annual Mathematical Psychology Meeting*, Memphis, Tennessee.
- *Huber, D. E., Van Overschelde, J. P., & Jang, Y. (2005). Separating context and item effects in episodic memory with descriptive SAM modeling. *Fourth Annual Summer Interdisciplinary Conference*, Briancon, France.
- *Huber, D. E., Van Overschelde, J. P., & Jang, Y. (2005). Context and item interference in episodic memory: Deriving sampling and recovery measures from recall and recognition data. *Third annual Context and Episodic Memory Symposium*, Philadelphia, New Jersey.
- *Huber, D. E. (2004). The time-course of identification and suppression: Immediate repetition priming of words and faces. *45th Annual meeting of the Psychonomic Society*, Minneapolis, Minnesota.
- *Huber, D. E. (2004). Electrophysiological measures of repetition priming. *Third Annual Summer Interdisciplinary Conference*, Cavalese, Val di Fiemme, Dolomiti, Italy.
- *Huber, D. E., & O'Reilly, R. C. (2003). Establishing a Correspondence Between Activity Dependent Neural Dynamics and Inference in a Generative Model of Perceptual Identification. *28th Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- *Huber, D. E., Curran, T., & O'Reilly, R. C. (2002). Temporally segregating written words through synaptic depression: The electrophysiological correlates of neural persistence and neural accommodation. *First Annual Summer Interdisciplinary Conference*, Squamish, British Columbia, Canada.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2002) Modeling the effects of prime duration and location in perceptual identification. *35th Annual Mathematical Psychology Meeting*, Miami University, Oxford, Ohio.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2002) Modeling the effects of prime duration and location in perceptual identification. *First Annual Summer Interdisciplinary Conference*, Squamish, British Columbia, Canada.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2002) Modeling the effects of prime duration and location in perceptual identification. *33rd European Conference on Mathematical Psychology*, International University Bremen, Bremen, Germany.
- *Huber, D. E., & O'Reilly, R. C. (2002). How is the brain able to identify items with minimal interference from prior presentations? *27th Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- Mozer, M. C., Colagrosso, M. D., & Huber, D. H. (2001). A rational analysis of cognitive control in a speeded discrimination task. *42nd Annual meeting of the Psychonomic Society*, Orlando, Florida.
- *Huber, D. E. (2001). Source confusion and discounting in short-term word priming: Feature-based versus word-based accounts. *26th Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- *Huber, D. E., Shiffrin, R. M., Quach, R., & Lyle, K. B., (2000). Preference for prime-related words in short-term priming: The effects of target duration and prime similarity. *41th Annual meeting of the Psychonomic Society*, New Orleans, Louisiana.
- Mozer, M. C., Huber, D. E., & Colagrosso, M. (2000). A Bayesian cognitive architecture for interpreting long-term priming phenomena. *41th Annual meeting of the Psychonomic Society*, New Orleans, Louisiana.

- *Huber, D. E., & Shiffrin, R. M. (2000). ROUSE: A Bayesian model for short-term priming of threshold identification. *33rd Annual Mathematical Psychology Meeting*, Queens University, Kingston, Ontario, Canada.
- *Huber, D. E., O'Reilly, R. C., & Norman, K. A. (2000). Understanding memory strengthening in a model of neocortex: The deepening and sharpening of item attractors. *Fourth International Conference on Cognitive and Neural Systems*, Boston University, Boston, Massachusetts.
- Mozer, M. C., Colagrosso, M., & Huber, D. E. (2000). Temporal dynamics of information transmission in cognitive systems. *Fourth International Conference on Cognitive and Neural Systems*, Boston University, Boston, Massachusetts.
- *Huber, D. E. (2000). Removing irrelevant information in short-term priming. *25th Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- *Huber, D. E., Lyle, K. B., & Shiffrin, R. M. (1999). Short-term priming: data and a model for bias and interference *40th Annual meeting of the Psychonomic Society*, Los Angeles, California.
- *Huber, D. E., Lyle, K. B., & Shiffrin, R. M. (1999). Short-term priming: data and a model for bias and interference. *32nd Annual Mathematical Psychology Meeting*, Santa Cruz, California.
- *Huber, D. E. (1999). Short-term repetition and associative priming: bias or perception? *24th Annual Interdisciplinary Conference*, Teton Village, Jackson Hole, Wyoming.
- *Huber, D. E. (1997). Entrainment as a model for visual adaptation and persistence. *30th Annual Mathematical Psychology Meeting*, Indiana University, Bloomington, Indiana.
- Shiffrin, R. M. & Huber, D. E. (1992). A Dynamic Model for Trace Activation, *25th Annual Mathematical Psychology Meeting*, Stanford University, Stanford, California.
- Willingham, D. B., Huber, D. E., Spear, J. L. & Gabrieli, J. D. E. (1991). Mirror Tracing is Learned via a Series of Direction-specific Associations, *33rd Annual meeting of the Psychonomic Society*, San Francisco, California.

Conference Posters

- Tian, X. & Huber, D. E. (2007). Measuring semantic satiation with a categorical matching task. *48th Annual meeting of the Psychonomic Society*, Long Beach, CA.
- Jang, Y. & Huber, D. E. (2007). Recalling the List before the Last: Context Isolation, Context Retrieval, and Filtering Retrieved Memories. *48th Annual meeting of the Psychonomic Society*, Long Beach, CA.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2007). Effects of Prime Diagnosticity During Perceptual Identification: Strategies or Implicit Adaptation?. *48th Annual meeting of the Psychonomic Society*, Long Beach, CA.
- Tian, X. & Huber, D. E. (2007). Geometric measures in electrophysiology: Spatial similarity and response magnitude. *40th Annual Mathematical Psychology Meeting*, Irvine, California.
- Buck, C., Davelaar, E. J., & Huber, D. E. (2007). Target priming effects in the Eriksen flanker task. *40th Annual Mathematical Psychology Meeting*, Irvine, California.
- Rieth, C. A., Huber, D. E., Zhang, H., & Lee, K. (2007). Classification images from noise only trials: A comparison between face and letter detection. *40th Annual Mathematical Psychology Meeting*, Irvine, California.
- Siegel, E. F., Huber, D. E., & Sigall, H. (2007). Attitude not knowledge: Supporting the validity of the implicit association test. *Nineteenth Annual Association for Psychological Science Convention*, Washington, D.C.
- Davelaar, E. J., & Huber, D. E. (2007). A perceptual adaptation account of preview effects in the Eriksen flanker task. *Second Annual European Cognitive Science Conference*, Delphi, Greece.
- Rieth, C. A., & Huber, D. E. (2006). Individual differences in face processing as revealed with priming. *Second Annual Computational Cognitive Neuroscience Conference*, Houston, Texas.

- Jang, Y., Huber, D. E., & Wallsten, T. S. (2006). Judgments of learning (JOLs): Beyond gamma. *47th Annual meeting of the Psychonomic*, Houston, Texas.
- Tomlinson, T. D., Huber, D. E., Rieth, C. A., & Davelaar, E. J. (2006). Retrieval inhibition or behavioral competition in the think/no-think paradigm?. *47th Annual meeting of the Psychonomic*, Houston, Texas.
- Rieth, C. A., & Huber, D. E. (2006). Individual differences in face processing as revealed with priming. *Twenty Eighth Meeting of the Cognitive Science Society*, Vancouver, British Columbia.
- Jang, Y. & Huber, D. E. (2006). Context Change and Interference in Episodic Memory. *Twenty Eighth Meeting of the Cognitive Science Society*, Vancouver, British Columbia.
- Tian, X., Davelaar, E. J., Crowley, T., & Huber, D. E. (2006). Behavioral and Electrophysiological Tests of a Perceptual Account of Negative Priming. *Twenty Eighth Meeting of the Cognitive Science Society*, Vancouver, British Columbia.
- Davelaar, E. J. & Huber, D. E. (2006). Preview Benefits and Deficits in Visual Selective Attention. *Twenty Eighth Meeting of the Cognitive Science Society*, Vancouver, British Columbia.
- Davelaar, E. J., Tian, X., Weidemann, C. T., Crowley, T., & Huber, D. E. (2006). Perceptual and response effects in same-different judgements: a combined behavioural and MEG-study, *Thirteenth annual meeting of the Cognitive Neuroscience Society*, San Francisco, California.
- Davelaar, E. J., Weidemann, C. T., & Huber, D. E. (2005). Examining negative and perceptual priming using a Go/NoGo same/different task. *46th Annual meeting of the Psychonomic Society*, Toronto, Ontario.
- Tian, X., & Huber, D. E. (2005). A MEG study of immediate repetition priming. *Twelfth annual meeting of the Cognitive Neuroscience Society*, New York, NY.
- Rieth, C., & Huber, D. E. (2005). Featural and configural dynamics in face identification. *Twelfth annual meeting of the Cognitive Neuroscience Society*, New York, NY.
- Fazendeiro, T., Huber, D., Curran, T., & Winkielman, P. (2005). Fluency Flip Flops: Priming effects on false recognition reverse as a function of prime processing. Poster presented at the 5th annual meeting of Society for Personality and Social Psychology. New Orleans, Louisiana.
- Huber, D. E., Curran, T., O'Reilly, C., & Worocho, B. (2004). Measuring the dynamics of word perception with ERPs: Immediate repetition priming with different prime durations. *Eleventh annual meeting of the Cognitive Neuroscience Society*, San Francisco, California.
- Fazendeiro, T., Huber, D. E., Curran, T., & Winkelieman, P. (2003). Perceptual fluency effects on episodic familiarity: Recognition bias changes with immediate repetition priming. *44th Annual meeting of the Psychonomic Society*, Vancouver, British Columbia.
- Huber, D. E., Curran, T., O'Reilly, C., & Worocho, B. (2003). Immediate repetition priming: Measuring synaptic depression with ERPs. *Twelfth annual Computational Neuroscience meeting*, Alicante, Spain.
- Weidemann, C. T., Huber, D. E., Shiffrin, R. M. (2002) Modeling the effects of prime duration and location in perceptual identification. *43rd Annual meeting of the Psychonomic Society*, Kansas City, Missouri.
- Huber, D. E., Curran, T., & O'Reilly, R. C. (2002). Discounting repeated words through synaptic depression: Using event-related potentials to measure the correlates of neural persistence and accommodation. *Ninth annual meeting of the Cognitive Neuroscience Society*, San Francisco, California.
- Mozer, M. C., Colagrosso, M. D., & Huber, D. H. (2002). A rational analysis of cognitive control in a speeded discrimination task. *Ninth annual meeting of the Cognitive Neuroscience Society*, San Francisco, California.
- Huber, D. E., & O'Reilly, R. C. (2001). Unbiased benefits and deficits in short-term repetition priming. *42nd Annual meeting of the Psychonomic Society*, Orlando, Florida.

- Huber, D. E., Shiffrin, R. M., Quach, R., & Lyle, K. B. (2000). Preference for prime-related words in short-term priming: the effects of target duration and prime similarity. *41th Annual meeting of the Psychonomic Society*, New Orleans, Louisiana.
- Norman, K. A., O'Reilly, R. C., & Huber, D. E. (2000). Modeling hippocampal and neocortical contributions to recognition memory. *Seventh annual meeting of the Cognitive Neuroscience Society*, San Francisco, California.

Professional Activities

Societies

- *Society of Experimental Psychologists, Psychonomic Society, Cognitive Neuroscience Society, Cognitive Science Society, Society for Mathematical Psychology, Society for Neuroscience*

Reviewing

- Consulting Editor (2008-): *Psychological Review*
- Consulting Editor (2006-): *Journal of Experimental Psychology: Learning Memory & Cognition*
- Consulting Editor (2006-): *Psychonomic Bulletin & Review*
- Grant Study Section (2006): *AFOSR, Multidisciplinary University Research Initiative*
- Grant Study Section (2006): *NIH, Cognition and Perception*
- Grant Study Section (2005): *NIH, Special Emphasis Panel*
- Ad hoc grant reviewing: *National Science Foundation (NSF), National, Institute of Health (NIH)*
- Ad hoc journal reviewing (17 journals): *Journal of Memory & Language, Acta Psychologica, Neural Information Processing Systems (NIPS), Journal of Experimental Psychology: Learning Memory & Cognition, Journal of Experimental Psychology: Human Perception and Performance, Psychological Review, Memory & Cognition, Journal of Cognitive Neuroscience, Mathematical Social Sciences, Cognitive Psychology, Cognitive Science: A Multidisciplinary Journal, American Journal of Psychology, Quarterly Journal of Experimental Psychology, Journal of Mathematical Psychology, Journal of Experimental Psychology: General, Psychonomic Bulletin & Review, Emotion.*

Teaching

- Graduate, Quantitative Methods (Statistics): 2006,2007,2008
- Graduate, Seminar in Mathematical Models: 2005,2007
- Graduate, Seminar in priming and performance paradigms: 2008
- Graduate, Survey of Cognitive Science: 2004,2004,2005
- Undergraduate, Introduction to Cognitive Psychology: 2000,2004,2006,2008
- Undergraduate, Methods of Experimental Psychology: 1996,1998,2004