

# KIM ORSTEN HOOGE

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## EDUCATION

<b>Ph.D.</b> , Psychology - Systems and Cognitive Neuroscience <i>Rice University, Houston, TX, USA</i>	May 2015
<b>M.Sc. with honors</b> , Cognitive Neuropsychology <i>Oxford Brookes University, Oxford, UK</i>	Aug 2007
<b>B.S. cum laude</b> , Psychology <i>University of Houston - Downtown, Houston, TX, USA</i>	Dec 2004

## RESEARCH & TEACHING

<b>Lecturer, Psychological Sciences</b> <i>Rice University, TX, USA</i>	Aug 2023 - Present
<b>Lecturer II, Behavioral and Brain Sciences</b> <i>University of Texas at Dallas, Dallas, TX, USA</i>	Jan 2018 - Present
<b>Lead Research Analyst</b> <i>No Bullying Schools, Grand Rapids, MI, USA</i>	Nov 2018 - Jan 2021
<b>Associate Faculty</b> <i>Collin College, Frisco, TX, USA</i>	Aug 2017 - May 2018
<b>Research Consultant</b> <i>KimDoesResearch.com</i>	Jan 2017 - Present
<b>Visiting Fellow in fMRI</b> <i>Martinos Center for Biomedical Imaging, Charlestown, MA</i>	Oct 2015 session
<b>Postdoctoral Research Associate</b> <i>University of Arizona, Tucson, AZ</i>	Aug 2015 - Dec 2016
<b>Graduate Research Assistant and Lecturer</b> <i>Rice University, Houston, TX, USA</i>	Aug 2010 - May 2015
<b>Research Coordinator III</b> <i>Baylor College of Medicine, Houston, TX, USA</i>	Feb 2008 - Jan 2011

## CERTIFICATIONS

<b>Certificate in Effective College Instruction</b> <i>Association of College and University Educators American Council on Education</i>	Apr 2023
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## AWARDS & NOMINATIONS

<b>Nominated, President's Teaching Excellence Award</b> <i>Category: Online/blended instruction</i> <i>University of Texas at Dallas, Dallas, TX, USA</i>	Nov 2022
<b>Winner, 3rd Place, Illusion of the Year Contest</b> <i>Neural Correlate Society</i> <i>Scientific American Magazine</i>	May 2014

## COURSE LIST

<b>Memory</b> <i>Rice University</i>	Fall 2023 - Present
<b>Research Methods</b> <i>Rice University</i>	Fall 2023 - Present
<b>Graduate Cognitive Science</b> <i>University of Texas at Dallas</i>	Fall 2023 - Present
<b>Graduate Cognitive Psychology</b> <i>University of Texas at Dallas</i>	Fall 2021 - Present
<b>Cognitive Psychology</b> <i>University of Texas at Dallas,</i> <i>Rice University</i>	Summer 2021 - Present
<b>Cognitive Science</b> <i>University of Texas at Dallas</i>	Spring 2020 - Present
<b>Introductory Psychology</b> <i>University of Texas at Dallas,</i> <i>Rice University</i>	Spring 2018 - Present
<b>Learning Framework</b> <i>University of Texas at Dallas</i>	Fall 2017

## PUBLICATIONS

Thelen, T., Neely, K., **Orsten Hooge, K.**, Kagan, E. (2020). Mental Health 101 for Teens: The Practical Guide to Mental Health, Self-Esteem, & Emotional Intelligence. Independent Publisher. ISBN-13: 979-8580124957.

**Orsten-Hooge, K. D.**, Baragchizadeh, A., Karnowski, T. P., Bolme, D. S., Ferrell, R., Jesudasen, P. R., & O'Toole, A. J. (2020). Evaluating Automated Face Identity-Masking Methods with Human Perception and a Deep Convolutional Neural Network. *ACM Transactions on Applied Perception* 18(1), p. 1-20. <https://doi.org/10.1145/3422988>

Flowers, C. C., **Orsten-Hooge, K. D.**, Jannuzi, B. G. L., Peterson, M. A. (2020). Normative Data for an Expanded Set of Stimuli for Testing High-Level Influences on Object Perception: OMEFA-II. *PLoS One*, 15(8): e0224471. PMID: 32797090. PMCID: PMC7428090. doi: 10.1371/journal.pone.0224471

Costa, T. L., **Orsten-Hooge, K.**, Rêgo, G. G., Wagemans, J., Pomerantz, J. R., & Boggio, P. S. (2018). Neural Signatures of the Configural Superiority Effect and Fundamental Emergent Features in Human Vision. *Scientific Reports*, 8(1), 13954.

**Orsten-Hooge, K.**, & Pomerantz, J. R. (2017). A Turn in the Road. In Martinez-Conde, S., & Macknik, S., *Champions of Illusion* (pp. 71). Scientific American/Farrar, Straus and Giroux. ISBN: 9780374120405.

**Orsten-Hooge, K. D.**, Portillo, M. C., & Pomerantz, J. R. (2015). False Pop Out. *Journal of Experimental Psychology: Human Perception and Performance*. 41(6),1623. PMID: 26214500

Avci, G., Hanten, G., Schmidt, A. T., Li, X., **Orsten, K.**, Post, M., & Newsome, M. R. (2013). Cognitive Contributors to resilience in youth from underserved populations: a Brief Report. *Journal of Public Mental Health*, 12(3): 165-170.

Schmidt, A. T., Hanten, G. R., Avci, G., Li, X., **Orsten, K. D.**, & Newsome, M. R. (2013). Relating resilience factors and decision-making skills in two groups of underserved adolescents: implications for intervention. *Journal of Juvenile Justice*, 2(2).

Cook, L. G., Hanten, G., **Orsten, K. D.**, Chapman, S. B., Li, X., Wilde, E. A., Schnelle, K.P., & Levin, H.S. (2013). Effects of moderate to severe traumatic brain injury on anticipating consequences of actions in adolescents: A preliminary study. *Journal of the International Neuropsychological Society*, 19(5): 508-517. doi: 10.1017/S1355617712001452. PMID: 23312035.

Hanten, G. R., Cook, L., **Orsten, K. D.**, Chapman, S. B., Li, X., Wilde, E. A., Schnelle, K. P., & Levin, H. S. (2011). Effects of traumatic brain injury on a virtual reality social problem solving task and relations to cortical thickness in adolescence. *Neuropsychologia*, 49(3), 486-497. doi: 10.1016/j.neuropsychologia.2010.12.007. PMCID: PMC3039308.

Schmidt, A. T., **Orsten, K. D.**, Hanten, G. R., Li, X., & Levin, H. S. (2010). Family environment influences emotion recognition following pediatric traumatic brain injury. *Brain Injury*, 24(13-14), 1550-1560. doi: 10.3109/02699052.2010.523047. PMCID: PMC3249284.

Schmidt, A. T., Hanten, G. R., Li, X., **Orsten, K. D.**, & Levin, H. S. (2010). Emotion recognition following pediatric traumatic brain injury: Longitudinal analysis of

emotional prosody and facial expression. *Neuropsychologia*, 48(10), 2869-2877. doi: 10.1016/j.neuropsychologia.2010.05.029. PMID: PMC2915940.

**Orsten, K. D.** (2007). Bilingual lexical organization and the effects of learning a second language later in life: a recurrent network model. Masters Thesis, Oxford Brookes University, Oxford, UK.

## CONFERENCE & SEMINAR TALKS

Pomerantz, J. R., Qiang, B., & **Orsten, K. D.** (2014, November). A New Performance Measure of perceptual grouping. Talk presented at the 2014 Configural Processing Consortium, Long Beach, California, USA.

**Orsten, K. D.** (2014, August). The whole story of visual perception. Talk presented at the Rice University Cog Tea seminar, Houston, Texas.

**Orsten, K. D.**, & Pomerantz, J. R. (2014, May). A Turn in the Road. Talk presented at the Neural Correlate Society Annual Illusion of the Year Contest, St. Pete Beach, Florida, USA.

**Orsten, K. D.**, & Pomerantz, J. R. (2013, November). Pure False Pop Out, "Anti-Metamers" and Visual Saliency. Poster presented at the 21st Annual Meeting on Object Perception, Attention and Memory, Toronto, Ontario, Canada.

**Orsten, K. D.**, & Pomerantz, J. R. (2013, May). False Pop Out and "Anti-Metamers". Poster presented at the 13th Annual Vision Sciences Society Conference, Naples, Florida, USA.

**Orsten, K. D.** (2013, April). The road to pure False Pop Out: An autobiography. Talk presented at the Rice University Cog Tea seminar, Houston, Texas.

**Orsten, K. D.**, & Pomerantz, J. R. (2013, March). Pure False Pop Out. Talk presented at the 2013 Meeting of the Society for Experimental Psychology, Providence, RI, USA.

**Orsten, K. D.**, & Pomerantz, J. R. (2012, November). Pop out, true and false. Talk presented at the 2012 Configural Processing Consortium, Minneapolis, Minnesota, USA.

Pomerantz, J. R., Cragin, A. I., **Orsten, K. D.**, & Portillo, M. C. (2012, May). The computational and cortical bases for configural superiority. Talk presented at the 12th Annual Vision Sciences Society Conference, Naples, FL, USA.

**Orsten, K. D.**, & Pomerantz, J. R. (2012, March). False Pop Out, Symmetry Breaking, and the Theory of Basic Gestalts. Talk presented at the 2012 Meeting of the Society for Experimental Psychology, Houston, TX, USA.

**Orsten, K. D.** (2012, April). Pop Out in visual search: Comparing predictions from Feature Integration, Guided Search, and the Theory of Basic Gestalts. Talk presented at the Rice University Cog Tea seminar, Houston, Texas.

**Orsten, K.D.** (2011, April). False Pop-Out in an odd quadrant visual search task. Talk presented at the Rice University Cog Tea seminar, Houston, Texas.

Schmidt, A.T., & **Orsten, K.D.** (2009, May). Cerebral Palsy: clinical correlates and assessment considerations. Case study presented at the Neuropsychology Seminar for Psychology Services, Texas Children's Hospital and Baylor College of Medicine, Houston, Texas.

## CONFERENCE POSTERS

Skocypec, R., Jannuzi, B., **Orsten-Hooge, K.**, Peterson, M. A. (2017, May). Unmet Expectations Impede Object Detection: Interactions Between Predictions and Error Signals Interfere with Figure-Ground Assignment. *Journal of Vision* 17(10), 1378-1378.

**Orsten-Hooge, K. D.**, Skocypec, R., Jannuzi, B. & Peterson, M. A. (2016, November). Semantic Priming Facilitates Object Detection via Predictive Coding. Poster presented at the 24th Annual Meeting on Object Perception, Attention and Memory, Boston, Massachusetts, USA.

Costa, T., **Orsten-Hooge, K. D.**, Rego, G. G., Pomerantz, J. R., & Boggio, P. S. (2016, May). Neural Correlates of Configural Superiority and Emergent Features: an ERP study. *Journal of Vision* 16(12) 127-127.

Mestry, N. **Orsten-Hooge, K. D.**, Pomerantz, J. R. & Donnelly, N. (2016, May). Eye Movements Reveal the Competition Between Basic and Configural Features in False Pop Out in Visual Search. *Journal of Vision* 16(12), 1163-1163.

**Orsten-Hooge, K. D.**, Skocypec, R. & Peterson, M. A. (2016, May). Semantic Priming Facilitates Figure Assignment for Both Intact Familiar Objects and Their Parts (Despite Predictive Coding Error). *Journal of Vision* 16(12), 798-798.

**Orsten, K. D.** & Pomerantz, J. R. (2014, May). Is False Pop Out really pop out: Evidence from pilot RT functions. *Journal of Vision* 14(10), 1077-1077.

Pomerantz, J. R., Qiang, B., Austin, A., & **Orsten, K. D.** (2014, May). Target localization responses diagnose Emergent Features in singleton pop out. *Journal of Vision* 14(10), 1046-1046.

**Orsten, K. D.** & Pomerantz, J., R., (2013, November). Pure False Pop Out, "Anti-Metamers" and Visual Saliency. Poster presented at the 21st Annual Meeting on Object Perception Attention and Memory, Toronto, Ontario, Canada.

**Orsten, K. D.** & Pomerantz, J. R. (2013, May). False Pop Out and "Anti-Metamers". Poster presented at the 13th Annual Vision Sciences Society Conference, Naples, Florida.

**Orsten, K. D.**, Hahn, A., & Pomerantz, J., R., (2012, November). Pattern-breaking Pop Out: Further preliminary evidence in support of the Theory of Basic Gestalts. Poster presented at the 2012 Configural Processing Consortium, Minneapolis, MN, USA.

**Orsten, K. D.** & Pomerantz, J. R. (2012, May). False Pop Out and Pattern-breaking Pop Out: Evidence of configural disruption in conventional pop out. *Journal of Vision* 12(9), 1287-1287.

**Orsten, K. D.**, Portillo, M., & Pomerantz, J. R. (2011, November). A symmetry-breaking theory of false pop-out. Poster presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA, USA.

**Orsten, K. D.**, Portillo, M., & Pomerantz, J. R. (2011, May). False pop-out in an odd quadrant visual search task. *Journal of Vision* 11(11), 1314-1314.

**Orsten, K. D.**, Schmidt, A. T., Hanten, G. R., & Newsome, M. R. (2010, June). Neurocognitive and psychiatric contributors to resilience: A preliminary case series. Poster presented at the Second International Pathways to Resilience Conference, Halifax, Nova Scotia.

Schmidt, A. T., **Orsten, K. D.**, Li, X., Hanten, G. R., & Levin, H. S. (2010, February). Family moderators of emotional prosody and adaptive functioning following pediatric traumatic brain injury. Poster presented at the International Neuropsychological Society 38th Annual Meeting, Acapulco, Mexico.

Schmidt, A. T., Wilde, E. A., **Orsten, K. D.**, Li, X., & Levin, H. S. (2009, October). Neuroimaging correlates of parent reported executive dysfunction following pediatric traumatic brain injury or orthopedic injury: a preliminary investigation. Poster presented at the Society for Neuroscience - Neuroscience 2009, Chicago, Illinois.

Davis, S. E. & **Orsten K. D.** (2005, April). The influence of auditory stimulation on visual targeting performance. Poster presented at the 85th Annual Meeting of the Western Psychological Association, Portland, Oregon.