

**Jeremiah D. Still, Ph.D., FPsyS**

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Associate Professor of  
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**Laboratory:**

[www.PsychofDesign.com](http://www.PsychofDesign.com)

**Education:**

Ph.D. 2009, Human Computer Interaction, Iowa State University

M.S. 2006, Psychology, Iowa State University

B.S. 2004, Psychology, Missouri Southern State University – Joplin

Graduate Student Teaching Certificate 2009, Center for Excellence in Learning and Teaching,  
Iowa State University

**Academic Experience:**

Associate Professor, Old Dominion University, 2021 - present.

Assistant Professor, Old Dominion University, 2015 - 2021.

Assistant Professor, San Jose State University, 2013 – 2015.

Visiting Scholar, Iowa State University, Summer 2012.

Assistant Professor, Missouri Western State University, 2009 – 2013.

**Publications:**

Mator, J. D. & **Still, J. D.** (2021). Impact of the Cyber Hygiene Intelligence & Performance (CHIP) interface on cyber situation awareness and cyber hygiene. *Proceedings of the 3<sup>rd</sup> International Conference on HCI for Cybersecurity, Privacy, and Trust*

**Still, J. D.** & Tiller, L. N. (2021). Exploring understanding and usage of two-factor authentication account recovery. *Proceedings of the 7<sup>th</sup> International Conference on Human Factors in Cybersecurity*

- Still, M. L. & **Still, J. D.** (2021). How bike lane markings shape motorist expectations of cyclist placement at intersections. *Proceedings of the International Cycling Safety Conference*.
- Still, M. L. & **Still, J. D.** (2021). How signs, markings, and hazards impact motorist assessment of cyclist lane placement. *Proceedings of the International Conference of Human Factors and Ergonomics Society*, 64, 1943-1947.
- Mator, J. D., Lehman, W. E., McManus, W., Powers, S., Tiller, L., Unverricht, J. R., & **Still, J. D.** (in press). Usability: Adoption, measurement, value. *Journal of Human Factors*. (Impact Factor: 3.17)
- Still, J. D.** & Hicks, J. M. (2020). Mobile interface attentional priority model. *Springer Nature Computer Science*, 142, 1-11.
- Still, J. D.**, Hicks, J. M., & Cain, A. A. (2020). Examining the influence of saliency within mobile interface displays. *Journal of AIS Transactions on Human-Computer Interaction*, 12, 28-44.
- Hicks, J. M. & **Still, J. D.** (2019). Examining the effects of clutter and target salience in an e-commerce visual search task. *Proceedings of the International Conference of Human Factors and Ergonomics Society*, 63, 1761-1765.
- Cain, A. A. & **Still, J. D.** (2019). Graphical authentication passcode memorability: Context, length, and number. *Proceedings of the International Conference of Human Factors and Ergonomics Society*, 63, 447- 451.
- Still, J. D.** & Cain, A. A. (2019). Over-the-Shoulder attack resistant graphical authentication schemes impact on working memory. *Proceedings of the 5<sup>th</sup> International Conference on Human Factors in Cybersecurity*, 79-86.
- Tiller, L., Angelini, C., Leibner, S., & **Still, J. D.** (2019). Explore-a-Nation: Combining graphical and alphanumeric authentication. *Proceedings of the 1st International Conference on HCI for Cybersecurity, Privacy, and Trust*, 81-95.
- Still, M. L. & **Still, J. D.** (2019). Sharing the road: Experienced cyclist and motorist knowledge and perceptions. *Proceedings of the 7<sup>th</sup> International Conference on Human Factors in Transportation*, 291-300.
- Still, J. D.** & Still, M. L. (2019). Influence of visual salience on webpage product searches. *Journal of ACM Transactions on Applied Perception*, 16, 1-11. (Impact Factor: 1.02)
- Still, M. L. & **Still, J. D.** (2019). Cognitively describing intuitive interactions. In A. Blackler (Ed), *Intuitive interaction: research and applications* (pp. 41-61). Boca Raton, Florida, USA: Taylor and Francis.

- Tiller, L., Cain, A., Potter, L., & **Still, J. D.** (2019). Graphical authentication schemes: Balancing amount of image distortion. In Ahram T., Nicholson D. (Eds.), *Advances in Human Factors in Cybersecurity* (pp. 88-98). Orlando, Florida, USA: Springer.
- Cain, A. A., Edwards, M. E., & **Still, J.D.** (2018). An exploratory study of cyber hygiene behaviors and knowledge. *Journal of Information Security and Applications*, 42, 36-45. (Impact Factor: 1.65)
- Cain, A. A., & **Still, J. D.** (2018). Usability comparison of over-the-shoulder attack resistant authentication schemes. *Journal of Usability Studies*, 13, 196-219.
- Still, J. D.** (2018). Web page visual hierarchy: Examining Faraday's guidelines for entry points. *Journal of Computers in Human Behavior*, 84, 352-359. (Impact Factor: 4.25)
- Still, J. D.** & Bell, J. (2018). Incognito: Shoulder-Surfing resistant selection method. *Journal of Information Security and Applications*, 40, 1-8. (Impact Factor: 1.65)
- Still, M. L., & **Still, J. D.** (2018). Subliminal Techniques: Considerations and recommendations for analyzing feasibility. *International Journal of Human-Computer Interaction*, 34, 457-466. (Impact Factor: 1.26)
- Cain, A. A., & **Still, J. D.** (2017). RSVP a temporal method for graphical authentication. *Journal of Information Privacy and Security*, 13, 226-237. (Impact Factor: .7)
- Still, J. D.** (2017). Web page attentional priority model. *Journal of Cognition, Technology, & Work*, 19, 363-374. (Impact Factor: 1.03)
- Still, J. D.**, Cain, A. A., & Schuster, D. (2017). Human-Centered Authentication Guidelines. *Journal of Information and Computer Security*, 25, 437-453. (Impact Factor: 1.09)
- Hicks, J. M., Cain, A. A., & **Still, J. D.** (2017). Visual saliency predicts fixations in low clutter web pages. *Proceedings of Human Factors and Ergonomics Society International Conference*, 1114-1118.
- Still, J. D.**, Hicks, J., Cain, A. A., & Billman, D. (2017). Predicting stimulus-driven attentional selection within mobile interfaces. *Proceedings of the 8th International Conference on Cognitive and Neuroergonomics*, 255-261.
- Cain, A. A., Werner, S., & **Still, J. D.** (2017). Graphical authentication resistance to over-the-shoulder-attacks. *Proceedings of CHI in Late-Breaking Work*, 2416-2422. (Acceptance Rate: 38%)
- Grgic, J., Still, M. L., & **Still, J. D.** (2016). Effects of cognitive load on affordance-based interactions. *Journal of Applied Cognitive Psychology*, 30, 1042-1051. (Impact Factor: 1.5)

- Cain, A. A., Chiu, L., Santiago, F., & **Still, J. D.** (2016). Swipe authentication: Exploring over-the-shoulder attack performance. In D. Nicholson (Ed.), *Advances in Human Factors Cybersecurity* (pp. 327-336). Walt Disney World, Florida, USA: Springer.
- Cain, A. A., & **Still, J. D.** (2016). A rapid serial visual presentation method for graphical authentication. In D. Nicholson (Ed.), *Advances in Human Factors Cybersecurity* (pp. 3-12). Walt Disney World, Florida, USA: Springer.
- Long, S. K., Karpinsky, N. D., Doner, H., & **Still, J. D.** (2016). Using a mobile application to help visually impaired individuals explore the outdoors. In G. Di Bucchianico and P. Kercher (Eds.), *Advances in Design for Inclusion* (pp. 213-226). Walt Disney World, Florida, USA: Springer.
- McEvoy, P., & **Still, J. D.** (2016). Contextualizing mnemonic phrase passwords. In D. Nicholson (Ed.), *Advances in Human Factors Cybersecurity* (pp. 295-304). Walt Disney World, Florida, USA: Springer.
- Still, J. D.** (2016). Cybersecurity needs you! *ACM Interactions (May + June: Feature)*, 23(3), 54-58.
- Still, M. L. & **Still, J. D.** (2015). Contrasting traditional in-class exams with frequent online testing. *Journal of Teaching and Learning with Technology*, 4, 30-40.
- Still, J. D.**, Still, M. L., & Grgic, J. (2015). Designing intuitive interactions: Exploring performance and reflective measures. *Interacting with Computers*, 27, 271-286. (Impact Factor: 1.4)
- Lotus, L. & **Still, J. D.** (2015). Re-designing warning messages to encourage BYOD policy adherence. *Proceedings of the 3<sup>rd</sup> Human Aspects of Information Security, Privacy, and Trust held at the 17<sup>th</sup> International Conference on Human-Computer Interaction*, 369-378.
- Schuster, D., Still, M., **Still, J. D.**, Lim, J. J., Feria, C., & Rohrer, C. (2015). Opinions or algorithms: An investigation of trust in people versus automation in app store security. *Proceedings of the 3<sup>rd</sup> Human Aspects of Information Security, Privacy, and Trust held at the 17<sup>th</sup> International Conference on Human-Computer Interaction*, 415-425.
- Still, J. D.** & Dark, V. J. (2013). Cognitively describing and designing affordances. *Journal of Design Studies*, 13, 285-301. (Impact Factor: 1.48)
- Masciocchi, C. M. & **Still, J. D.** (2013). Alternatives to eye tracking for predicting stimulus-driven attentional selection within interfaces. *Journal of Human-Computer Interaction*, 28, 417-441. (Impact Factor: 4.0)
- Steinhoff, C. & **Still, J. D.** (2013). Priming categorization in a card sort. *Proceedings of the 15<sup>th</sup> International Conference on Human-Computer Interaction*, 8004, 265-272.

Lauterbach, C. & **Still, J. D.** (2013). Evaluating patient-physician interactions: A methodological approach. *Proceedings of the 15th International Conference on Human-Computer Interaction*, 8025, 232-239.

Still, M. L. & **Still, J. D.** (2012). Practical recommendations for examining subliminal techniques in ubiquitous computing. *Proceedings of the Effects of Subliminal Perception in Ubiquitous Computing Environments Workshop at the 14<sup>th</sup> International Conference on Ubiquitous Computing*, Pittsburgh, PA.

**Still, J. D.** & Masciocchi, C. M. (2012). Considering the influence of visual saliency during interface searches. In Alkhalifa, E. M. & Gaid, K. (Eds.), *Cognitively Informed Intelligent Interfaces: Systems Design and Development* (pp. 84-97). Hershey, PA: Information Science Reference. (Acceptance rate: 35%)

Wynn, J. & **Still, J. D.** (2011). Motivating change and reducing cost with the discount video data analysis technique. *Proceedings of the 14<sup>th</sup> International Conference on Human-Computer Interaction*, 6770, 321-328.

**Still, J. D.** (2011). Experimental design: Does external validity trump internal validity? *ACM Interactions (May + June: Feature)*, 18(13), 66-68.

**Still, J. D.**, & Dark, V. J. (2010). Examining working memory load and congruency effects on affordances and conventions. *International Journal of Human-Computer Studies*, 68(9), 561-571. (Impact Factor: 2.5)

**Still, J. D.** & Masciocchi, C. M. (2010). A saliency model predicts fixations in web interfaces. *5th International Workshop on Model-Driven Development of Advanced User Interfaces*, Atlanta, GA.

**Still, J. D.** (2009). Conceptualizing design affordances from a cognitive perspective (Doctoral dissertation). ProQuest's Digital Dissertations Database. (Publication NO. AAT 3355535)

**Still, J. D.**, & Dark, V. J. (2008). An empirical investigation of affordances and conventions. *Proceedings of the Third International Conference on Design Computing and Cognition*, 457-472. (Acceptance Rate: 16%; Awarded Best Paper)

Dohse, K. C., Dohse, T., **Still, J. D.**, & Parkhurst, D. J. (2008). Enhancing multi-use interaction with multi-touch tabletop displays using hand tracking. *IEEE Proceedings of the First International Conference on Advances in Computer-Human Interaction*, 297 – 302. (Acceptance Rate: 30%)

### **Professionally Edited Publication:**

**Still, J. D.**, Still, M. L., & Bell, J. (2014, August). Closing the knowledge gap with intuitive flat designs. *UX Magazine: Feature, Article 1297*, ISSN: 2168-5681. Retrieved from <http://uxmag.com/articles/closing-the-knowledge-gap-with-intuitive-flat-designs>

**Still J. D.**, & Cronk, B. (April, 2010). Putting the Spotlight on Human Factors. *Human Factors and Ergonomics Society Bulletin*.

**Paper & Poster Presentations:**

Mator, J. D. & **Still, J. D.** (2021, May). *Leveraging human-centered design to improve cyber situation awareness and cyber hygiene*. Poster presented at the Applied Human Factors and Ergonomics Annual Meeting.

Mishler, S., Garcia, K., Fuller-Jakaitis, E., Wang, C., Hu, B., **Still, J. D.**, & Chen, J. (2021, October). *Predicting a malicious stop sign: Knowledge, exposure, trust in AI*. Paper presented at the Human Factors and Ergonomics Society 65th International Annual Meeting.

Still, M. L. & **Still, J. D.** (2021, November). *How bike lane markings shape motorist expectations of cyclist placement at intersections*. Paper presented at the 9<sup>th</sup> Annual International Cycling Safety Conference, Lund, Sweden.

**Still, J. D.** & Tiller, L. N. (2021, July). *Exploring understanding and usage of two-factor authentication account recovery*. Paper will be presented at the 7<sup>th</sup> International Conference on Human Factors in Cybersecurity, New York, NY.

Still, M. L. & **Still, J. D.** (2020, October). *How signs, markings, and hazards impact motorist assessment of cyclist lane placement*. Paper presented at the 64<sup>rd</sup> Annual Human Factors and Ergonomics Society Conference, Chicago, IL.

Hicks, J. M. & **Still, J. D.** (2019, November). *Examining the effects of clutter and target salience in an e-commerce visual search task*. Paper presented at the 63<sup>rd</sup> Annual Human Factors and Ergonomics Society Conference, Seattle, WA.

Cain, A. A. & **Still, J. D.** (2019, November). *Graphical authentication passcode memorability: Context, length, and number*. Paper presented at the 63<sup>rd</sup> Annual Human Factors and Ergonomics Society Conference, Seattle, WA.

**Still, J. D.** & Cain, A. A. (2019, July). *Over-the-Shoulder attack resistant graphical authentication schemes impact on working memory*. Paper presented at the 5<sup>th</sup> International Conference on Human Factors in Cybersecurity, Washington, D.C.

Tiller, L., Angelini, C., Leibner, S., & **Still, J. D.** (2019, July). *Explore-a-Nation: Combining graphical and alphanumeric authentication*. Proceedings of the 1st International Conference on HCI for Cybersecurity, Privacy, and Trust, Orlando, FL.

Still, M. L. & **Still, J. D.** (2019, July). *Sharing the road: Experienced cyclist and motorist knowledge and perceptions*. Paper presented at the 7<sup>th</sup> International Conference on Human Factors in Transportation, Washington, D.C.

- Still, J. D.** (2019, June). *Usability & Security: Next-Gen graphical authentication schemes*. Paper presented at the 24<sup>th</sup> Annual Cyberpsychology, Cybertherapy & Social Networking Conference, Norfolk, VA.
- Fakulujo, A., Hicks, J., & **Still, J. D.** (2019, April). *Examining the interaction between saliency and target representation strength on search times*. Poster presented at the 4<sup>th</sup> Annual Virginia Association for Psychological Science, Newport News, VA.
- Duplantis, P. E., Fakulujo, A. T., Hatcher, A., Murray, T., Venturi, G., & **Still, J. D.** (2019, March). *Exploring stimulus- and history-driven influences on e-commerce webpages during free viewing*. Poster presented at the North Carolina Cognition Conference, Raleigh, NC.
- Still, M. L., Hicks, J. M., & **Still, J. D.** (2018, November). *Interaction of perceptual priming and visual salience in a naturalistic visual search task*. Poster presented at the 59<sup>th</sup> Annual Psychonomics Society Conference, New Orleans, LA.
- Tiller, L., Cain, A., Potter, L., & **Still, J. D.** (2018, July). *Graphical authentication schemes: Balancing amount of image distortion*. Paper presented at Advances in Human Factors in Cybersecurity Conference, Orlando, FL.
- Hicks, J. M., Duplantis, P., Fakulujo, A., & **Still, J. D.** (2018, April). *Does relative item luminance affect how well e-commerce products are remembered?* Poster presented at Southeastern Human Factors Applied Research Conference, Clemson, SC.
- Hicks, J. M., Edwards, M., Brayton, M., Harrell, G., & **Still, J. D.** (2018, April). *Can the relative luminance of e-commerce products affect how quickly they are found?* Poster presented at Southeastern Human Factors Applied Research Conference, Clemson, SC.
- Hicks, J. M., Cain, A. A., & **Still, J. D.** (2017, October). *Visual saliency predicts fixations in low clutter web pages*. Paper presented at the 61<sup>rd</sup> Annual Human Factors and Ergonomics Society Conference, Austin, TX.
- Still, J. D.**, Hicks, J., Cain, A. A., & Billman, D. (2017, July). *Predicting stimulus-driven attentional selection within mobile interfaces*. Paper presented at the 8th International Conference on Cognitive and Neuroergonomics, L.A., CA.
- Cain, A. A., Werner, S., & **Still, J. D.** (2017, May). *Graphical authentication resistance to over-the-shoulder-attacks*. Poster presented at the CHI Conference during the Late-Breaking Work session, Denver, CO.
- Hicks, J. M., Still, M. L., & **Still, J. D.** (2017, April). *E-Commerce products with higher visual saliency are found faster*. Poster presented at the Southeastern Human Factors Applied Research Conference, Raleigh, NC.

- Cain, A. A., & **Still, J. D.** (2017, April). *Human factors of graphical authentication*. Poster presented at the Southeastern Human Factors Applied Research Conference, Raleigh, NC.
- Cain, A. A., Dindial, H. L., Duplaintis, P. E., Edwards, M. E., & **Still, J. D.** (2017, April). *Over the shoulder attack resistance of Use Your Illusion authentication*. Poster presented at the Southeastern Human Factors Applied Research Conference, Raleigh, NC.
- Cain, A. A., Griner, J., Tiller, L., Unverricht, J. R., & **Still, J. D.** (2017, April). *Comparing measurement approaches of over-the-shoulder-attack resistance for graphical authentication*. Poster presented at the Southeastern Human Factors Applied Research Conference, Raleigh, NC.
- Still, J. D.**, Hicks, J. M., & Gall, J. (2016, November). *Using Computational Models to Quantify Stimulus-Driven Influences in Web Pages*. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Cain, A. A., Chiu, L., Santiago, F., & **Still, J. D.** (2016, July). *Swipe authentication: Exploring over-the-shoulder attack performance*. Paper presented at the 2<sup>nd</sup> International Conference on Human Factors in Cybersecurity, Orlando, FL.
- Cain, A. A., & **Still, J. D.** (2016, July). *A rapid serial visual presentation method for graphical authentication*. Paper presented at the 2<sup>nd</sup> International Conference on Human Factors in Cybersecurity, Orlando, FL.
- Long, S. K., Karpinsky, N. D., Doner, H., & **Still, J. D.** (2016, July). *Using a mobile application to help visually impaired individuals explore the outdoors*. Paper presented at the 1<sup>st</sup> International Conference on Design for Inclusion, Orlando, FL.
- McEvoy, P., & **Still, J. D.** (2016, July). *Contextualizing mnemonic phrase passwords*. Paper presented at the 2<sup>nd</sup> International Conference on Human Factors in Cybersecurity, Orlando, FL.
- Gall, J., Masciocchi, C. M., & **Still, J. D.** (2015, May). *Exploring the influence of visual saliency on banner advertisement within web pages*. Poster presented at the 58th Annual Spartan Psychological Association Research Conference, San Jose, CA.
- Chiu, L., Weigel, C., Dovedot, T. Vo, C., & **Still, J. D.** (2015, May). *Swipe Authentication: Exploring error feedback's impact on over-the-shoulder attack performance*. Poster presented at the 58th Annual Spartan Psychological Association Research Conference, San Jose, CA.
- Still, J. D.**, Masciocchi, C. & Still, M. L. (2014, November). *Stimulus- and Goal-Driven Influences on Visual Searches in Webpages*. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.



- Still, M. L. & **Still, J. D.** (2014, May). *Ramifications of quiz format on retention and online studying*. Poster presented at the Annual Meeting of the Society for the Teaching of Psychology, San Francisco, CA.
- Shokrpour, A., Palma, A., Gomez, M., Santiago, F., & **Still, J. D.** (2014, May). *Swipe authentication: Exploring over-the-shoulder-attack performance*. Poster presented at the 57<sup>th</sup> Annual Spartan Psychological Association Research Conference, San Jose, CA.
- Still, M. L. & **Still, J. D.** (2012, September). *Practical recommendations for examining subliminal techniques in ubiquitous computing*. Paper presented at the Effects of Subliminal Perception in Ubiquitous Computing Environments Workshop at the 14<sup>th</sup> International Conference on Ubiquitous Computing, Pittsburgh, PA.
- Wynn, J. & **Still, J. D.** (2011, July). *Motivating change and reducing cost with the discount video data analysis technique*. Paper presented at the 14<sup>th</sup> International Conference on Human-Computer Interaction, Orlando, FL.
- Still, J. D.** & Still, M. L. (2011, May). *No cost or benefit from frequent online quizzes compared to traditional exams*. Poster presented at the Annual Meeting of the Society for the Teaching of Psychology, Chicago, IL.
- Still, J. D.**, Grgic, J. & Still, M. L. (2011, February). *Revealing user button-to-action mappings through describing and acting*. Paper presented at the annual meeting of the Saint Louis User Experience (STL UX) Conference, Des Peres, MO.
- Grgic, J. & **Still, J. D.** (2010, May). *Affordance interactions are affected by spatial working memory load*. Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.
- Still, J. D.** & Masciocchi, C. M. (2010, April). *A saliency model predicts fixations in web interfaces*. Paper presented during the Computer-Human Interaction Conference, 5th International Workshop on Model-Driven Development of Advanced User Interfaces, Atlanta, GA.
- Wellman, D., Vey, M. & **Still, J. D.** (2010, March). *Visual saliency and website design*. Poster presented at the Great Plains Conference, St. Joseph, MO.
- Wynn, J. S. & **Still, J. D.** (2010, March). *Comparison of two accelerated usability test data analysis techniques*. Poster presented at the Great Plains Conference, St. Joseph, MO.
- Chowdhury, S. K. & **Still, J. D.** (2010, March). *Effect of opacity of stimulus in deployment of interest in an interface*. Poster presented at the Great Plains Conference, St. Joseph, MO.  
\*Awarded 1st Place

Grgic, J. E., Masciocchi, C. & **Still, J. D.** (2010, March). *Designing human-centered notifications*. Poster presented at the Great Plains Conference, St. Joseph, MO. \*Awarded 3rd Place

**Still, J. D.**, & Dark, V. J. (2009, April). *The cost of violating design affordances and conventions*. Poster presented at the Emerging Technologies Conference, Ames, IA.

**Still, J. D.**, Dark, V. J. & Parkhurst, D. J. (2008, November). *Dense regions of view-invariant features promote object recognition*. Poster presented at the Object Perception, Attention & Memory Conference, Chicago, IL.

**Still, J. D.**, & Dark, V. J. (2008, June). *An empirical investigation of affordances and conventions*. Paper presented at the meeting of the Third International Conference on Design Computing and Cognition, Atlanta, GA.

**Still, J. D.**, Dark, V. J., & Parkhurst, D. J. (2008, May). *What determines where you look in photographs of complex objects?* Paper presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

**Still, J. D.**, & Dark, V. J. (2008, April). *When "arbitrary" decisions aren't arbitrary: Conventions and design*. Poster presented at the Emerging Technologies Conference, Ames, IA.

Dohse, K. C., Dohse, T., **Still, J. D.** , & Parkhurst, D. J. (2008, February). *Enhancing multi-use interaction with multi-touch tabletop displays using hand tracking*. Paper presented at the meeting of the First International Conference on Advances in Computer-Human Interaction, Sainte Luce, Martinique.

**Still, J. D.**, Dark, V. J., & Parkhurst, D. J. (2007, May). *Viewpoint invariant object features attract overt visual attention*. Poster presented at the meeting of the Vision Sciences Society, Sarasota , FL.

Wolff, T., **Still, J. D.**, Parkhurst, D. J. & Dark, V. J. (2007, May). *Invariant features detected with computer vision allow better human object recognition in photographs* . Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

\* 1st place , Psychology Undergraduate Poster Competition, Psychology Department

**Still, J. D.**, Dohse, T., & Dohse K. C. (2007, April). *Touch table augmented with skin detection*. Poster presented at the Emerging Technologies Conference, Ames, IA.

Tan, W. P., **Still, J. D.**, & Dark, V. J. (2006, November). *Attenuating the attentional blink by including salient temporal events in the RSVP stream*. Poster presented at the meeting of the Psychonomic Society, Houston, TX.

**Still, J. D., Tan, W. P., & Dark, V. J. (2006, May).** *Does number of items or time affect attentional blink magnitude?* Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Tan, W. P., **Still, J. D., & Dark, V. J. (2006, May).** *Measuring the AB effect in an irregular RVSP stream.* Poster presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

**Still, J. D. (2003, November).** *Effects of super conditioning when mice are required to discriminate between elements of a compound stimulus when conditioned taste aversion is the paradigm.* Paper presentation at the meeting of the Association of Psychological & Educational Research in Kansas, Emporia, KS.

#### *Faculty Sponsor:*

- Duerfeldt, C. N., Kerns, V. J., Klingensmith, N. L., Schuster, J. M., McDonald, M. M. & Wooten, K. L. (2011, December). *The effects of pedaling on maze solving.* Poster presented at the semi-annual Multidisciplinary Research Day, St. Joseph, MO.
- Hiatt, D. (2011, March). *Does a positive or negative mood affect a person's need for cognition?* Poster presented at the Great Plains Conference, Topeka, KS.
- Pellersels, J. L. (2010, March). *Augmenting visual graphs with audio.* Poster presented at the Great Plains Conference, St. Joseph, MO. \*Awarded 2<sup>nd</sup> Place\*
- Rodgers, V. A. (2010, March). *Early design of software with children.* Poster presented at the Great Plains Conference, St. Joseph, MO.

#### *International Student Design Competition:*

- Bell, J. McEvoy, P., Shokrpour, A., Wenger, M., & Yamaguchi, C. (2014). Bloom: Fostering healthy and peaceful pregnancies with personal analytics. *Proceedings of the Computer-Human Interaction Conference*, Toronto, Canada.
- Davis, T., Steinhoff, C. & Telan Vela, M. (2012). MeCasa: A family virtual space. *Computer-Human Interaction Conference*, Austin, TX.
- Chowdhury, S. & Wynn, J. (2011). Cowabunga!: A system to facilitate multi-cultural diversity through CouchSurfing. *Computer-Human Interaction Conference*, Vancouver, BC.

#### **Invited Speaker:**

- Morningside College: Palmer Research Symposium (upcoming). Keynote Speaker.
- Hampton Roads Society for Human Resource Management (Summer, 2021). – *Employee Cyber Hygiene Recommendations*
- American Psychological Association: Earl Alluisi Award for Early Career Achievement (Summer, 2020). – *Discovering the Influence of Salience on Overt Attention within User Interfaces*
- Model United Nations Conference: Faculty Forum (Winter, 2019). – *Clean Up Your Act – Cyber Hygiene Best Practice*

- Iowa State University: Brown Bag (Spring, 2018). – *Discovering the Influence of Visual Saliency within User Interfaces*
- Cyber Analysis, Simulation, and Experimentation (CASE) Workshop on Cyberpsychology - Norfolk State University (Summer, 2017). *Human-Centered Authentication*
- NSF Funded Workshop on Employees’ Cybersecurity Behavior – Old Dominion University (Summer, 2017). *Human-Centered Design and Cybersecurity*
- Colorado State University: Brown Bag (Spring, 2017). – *Exploring the Influence of Visual Saliency within Interfaces*
- Human Factors and Ergonomics (HFES) Conference (Fall, 2015). – *Academic Jobs and Careers*
- 8<sup>th</sup> Symposium on Curriculum Development in Security and Information Assurance (Spring, 2015). – *Human-Centered Design of Cybersecurity Systems*
- User Experience Association (UXA) – San Jose State University (Spring, 2015). *Creating a Secure and Usable Experience*
- NASA – Ames (Summer, 2013). – *Describing Saliency and Predicting Eye-Movements within Complex Displays*
- San Jose State University (Spring, 2013). – *Cognitive Design: Predicting and Describing Implicit Interactions*
- Michigan Technological University (Fall, 2012). - *Cognitive Design: Predicting and Describing Implicit Interactions*
- Iowa State University (Summer, 2012). – *Cognitive Design: Predicting and Describing Implicit Interactions*
- Iowa State University (Spring, 2012). – *Alumni Discussion Panel: HCI in the Workplace*
- George Mason University (Spring, 2012). – *Cognitive Design: Predicting and Describing Implicit Interactions*
- Wichita State University (Spring, 2012). – *Cognitive Design: Predicting and Describing Implicit Interactions*
- Missouri Western State University’s Psi-Chi Induction (Spring, 2010) – *You are the Difference!*
- New Mexico State University (Fall, 2008) - *Viewing Affordances from a Cognitive Design Perspective*
- Missouri Western State University (Fall, 2008) - *Viewing Affordances from a Cognitive Design Perspective*
- Missouri Southern State University (Fall, 2007) - *My Experience, Applying, Interviewing, and Being Accepted to Graduate School*

**Psychology Teaching Experience** (Overall Teaching Rating = 5 excellent - 3 average - 1 poor):

<b>Fall 2020</b>		<b>Spring 2021</b>	
Perception (UC: Online)	4.4	Human-Computer Interaction (GC: Online)	**
Principles of Learning (UC: Online)	4.3	Human Factors (UC: Online)	4.6
Institutionalization of Human-Centered Computing (UC: Online)	4.7	Institutionalization of Human-Centered Computing (UC: Online)	**
<b>Fall 2019</b>		<b>Spring 2020</b>	

Perception (UC)	4.8	Human-Computer Interface Design (GC)	4.5
Institutionalization of Human-Centered Computing (UC: Online)	4.3	Institutionalization of Human-Centered Computing (UC: Online)	4.6
<b>Fall 2018</b>		<b>Spring 2019</b>	
Perception (UC)	4.3	Human-Computer Interaction (GC)	4.4
Perception (UC)	**	Institutionalization of Human-Centered Computing (UC: Online)	3.5
Institutionalization of Human-Centered Computing (UC: Online)	4.8		
<b>Fall 2017</b>		<b>Spring 2018</b>	
Perception (UC)	4.4	Institutionalization of Human-Centered Computing (UC: Online)	4.3
Perception (UC)	4.4	Human-Computer Interface Design (GC)	4.3
<b>Fall 2016</b>		<b>Spring 2017</b>	
Human-Computer Interaction (GC)	5	Sensation and Perception (UC)	4.1
Human Factors (UC)	4.6		
<b>Fall 2015</b>		<b>Spring 2016</b>	
Human-Computer Interface Design (GC)	4.9	Sensation and Perception (UC)	4.8
		Sensation and Perception (UC)	4.7
<b>Fall 2014</b>		<b>Spring 2015</b>	
Perception	3.8	Perception (UC)	4.2
Human Factors	4.4	General Psychology (UC)	4.1
<b>Fall 2013</b>		<b>Spring 2014</b>	
General Psychology (UC)	4.4	General Psychology (UC)	3.9
General Psychology (UC)	4.1	Human Factors (UC)	3.7
Human Factors (UC)	4.2		
<b>Fall 2012</b>		<b>Spring 2013</b>	
Sensation and Perception (UC)	4.1	Human-Computer Interaction (UC)	4.9
Applied Cognitive Design (GC)	4.9	Special Topics in Human-Centered Design (GC)	5
Seminar in Human-Centered Design I (GC)	4.9	Seminar in Human-Centered Design II (GC)	5
		Internship (GC)	5
<b>Fall 2011</b>		<b>Spring 2012</b>	
Research Team (UC)	3	General Psychology (UC)	4.7
Cognition in Design (GC)	5	General Psychology (UC)	4.6
Seminar in Human-Centered Design II (GC)	4.8	User-Centered Design Methods (GC)	4.7
Internship	N/A	Seminar in Human-Centered Design I (GC)	4.6
<b>Fall 2010</b>		<b>Spring 2011</b>	
Sensation and Perception (UC)	4.3	Special Topics in Human-Centered	4.7

		Design (GC)	
Applied Cognitive Design (GC)	4.9	Seminar in Human-Centered Design II (GC)	N/A
Seminar in Human-Centered Design I (GC)	5	Internship	N/A
<b>Fall 2009</b>		<b>Spring 2010</b>	
Sensation and Perception (UC)	3.8	General Psychology (UC)	4.3
Cognition in Design (GC)	4.6	General Psychology (UC)	4.3
Seminar in Human-Centered Design I (GC)	4.7	User-Centered Design Methods (GC)	4.8
		Seminar in Human-Centered Design II (GC)	4.8

*GC = Graduate Course; UC = Undergraduate Course; \*\* Less than four students completed the evaluation.*

### **Foundation of the Psychology of Design (PoD) lab (August 2009)**

Visit our digital residence at <<http://www.psychofdesign.com>>. We work to discover why some designs make our lives better, while others make our lives more difficult. Our research reveals cognitive processes that can be used to help designers develop intuitive interfaces. We are currently developing models to predict eye movements within interfaces. Helping designers guide users effectively through interfaces. We are also improving and inventing usable authentication methods. Making logging into a system easier and safer by designing interactions that exploit users' natural cognitive abilities.

### **Cofounder (with Dr. Brian Cronk), Developer and Director of the Master of Applied Science (MAS): Human Factors and Usability Testing (2009 to 2013)**

Our graduate program highlights curriculum from the four major areas necessary for developing products within a competitive environment: design, evaluation, implementation and professional phenomena surrounding. It was designed to focus on understanding human-centered design from a cognitive viewpoint; how a user will perceive, process, and respond to a product.

As acting director my responsibilities were to: build partnerships with industry, recruit students, conduct annual assessments of the program, and facilitate communication between students/admissions/graduate studies.

### **Honors & Awards:**

- Fellow in the Psychonomic Society (FPsyS) – Spring 2020.
- Earl Alluisi Award, Recognizes “outstanding achievements made by an applied experimental/ engineering psychologist within 10 years of earning their Ph.D.”, awarded by APA Division 21 for 2019
- Distinguished Teaching Award, Recognized by ODU’s Department of Psychology for 2018
- Shining Star Award, Recognized for helping students succeed at ODU for 2017

- NSF: CISE CAREER Proposal Writing Workshop Application Selected for 2017
- Liberal Arts and Sciences Council of Chairpersons Award for 2012
- Dr. James V. Mehl Outstanding Faculty Scholarship Award for 2011 *{one faculty member from the university is typically selected for this annual award}*
- Design Cognition Best Paper Prize at the Third International Conference on Design Computing and Cognition (2008, Georgia Institute of Technology)
- Exceptional Teaching in a Small Enrollment Course Award, awarded 2008, Department of Psychology at Iowa State University
- Human-Computer Interaction Student of the Year, awarded 2008, Iowa State University
- Glenn D. Dolence Recognition Award “Distinguished Contributions to the University Community”, awarded Spring 2004, Missouri Southern State University – Joplin
- Psi Chi (Psychology National Honor Society)
- Omicron Delta Kappa (National Leadership Honor Society)

### **Professional Affiliations:**

- Psychonomic Society
- ACM's Special Interest Group on Computer-Human Interaction (SIGCHI)
- APA Division 21: Applied Experimental and Engineering Psychology
- Society for the Teaching of Psychology (STP)
- Council of Undergraduate Research (CUR)
- Member of the Association for Psychological Science
- Member of the Midwestern Psychological Association
- Member of the Association for Computing Machinery
- Member of the Human Factors & Ergonomics Society

### **Community Service:**

#### *Conference Scientific Advisory Board*

Applied Human Factors and Ergonomics: Human Factors in Cybersecurity

#### *Beta-Tester*

JASP: An open-source and free statistics program

### **Conference Session Chair:**

Chaired (2019, July) the Awareness and Cyber-Physical Security session at the 5th International Conference on Human Factors in Cybersecurity held in Washington, D.C..

Chaired (2017, September) the Human Factors of Cybersecurity session at the 1<sup>st</sup> ODU Cyber Ops: Cybersecurity Education and Research Expo held in Norfolk, VA.

Chaired (2017, July) the Theory and Design session at the 8<sup>th</sup> International Conference on Cognitive and Neuroergonomics held in L.A., CA.

Co-Chaired with Peter Hancock (2016, July) the Personal Security session at the 2<sup>nd</sup> International Conference on Advances in Human Factors Cybersecurity held in Orlando, FL.

**Ad hoc Reviewer:**

*Journal of Interacting with Computers*

*Journal of Design Studies*

*Journal of Presence: Teleoperators and Virtual Environments*

*Journal of Computers in Human Behavior*

*Computer-Human Interaction Conference*

*Human Factors and Ergonomics Conference*

*APA Technology, Mind, & Society Conference*

*Journal of Gerontology: Psychological Sciences*

*Journal of the Human Factors and Ergonomics Society*

*Journal of Cognition, Brain, Behavior*

*Journal of Computers & Security*

2009 – 2012: Judge – *Great Plains Undergraduate Research Conference*

2005 - 2009: Iowa State Liberal Arts & Sciences' Computer Advisory Committee releases approximately \$1,200,000 to departments for students' educational computing needs a year. Each committee member reviews approximately 80 proposals yearly.

**Grants/Contracts:**

- \$127,580 (Funded). *The acceptance and effectiveness of explainable AI-powered credibility labeler for scientific misinformation and disinformation*. CoVA CCI: Cybersecurity Research and Innovation Funding. Project Leader: Jian Wu; Co-PIs: **Jeremiah Still** and Jiang Li. Submitted 3/10/2021.



- \$498,758 (Not Funded). *SaTC: CORE: Small: Encouraging better cyber hygiene by improving cyber situation awareness.* National Science Foundation: SaTC. Project Leader: **Jeremiah Still**; Co-PI: Hongyi Wu
- \$173,418 (Funded). *Encouraging positive changes in cyber hygiene behaviors and knowledge in the Department of Defense.* CoVA CCI: Cybersecurity Research and Innovation Funding. Project Leader: **Jeremiah Still**. Submitted 3/6/2020.
- \$410,494 (Not Funded). *CAREER: Discovering and translating the boundary conditions of visual saliency.* National Science Foundation: BCS – Perception, Action & Cognition. Project Leader: **Jeremiah Still**. Submitted 6/18/19.
- \$21,943 (Funded) *Summer undergraduate Psychology research experience.* American Psychological Association. Co-PI: **Jeremiah Still**. Submitted 1/19/20.
- \$24,022 (Not Funded). *Summer undergraduate Psychology research experience.* American Psychological Association. Project Leader: **Jeremiah Still**. Submitted 1/15/19.
- \$403,212 (Not Funded). *CAREER: Discovering and translating the influence and boundary conditions of visual saliency.* National Science Foundation: BCS – Perception, Action & Cognition. Project Leader: **Jeremiah Still**. Submitted 7/16/18.
- \$289,466 (Not Funded). *Examining the impact of working memory on the influence of salience in real-world displays.* National Science Foundation: BCS – Perception, Action & Cognition. Project Leader: **Jeremiah Still**. Submitted 1/29/18.
- \$23,502 (Not Funded). *Summer undergraduate Psychology research experience.* American Psychological Association. Project Leader: **Jeremiah Still**. Submitted 1/19/18.
- \$289,466 (Not Funded). *SaTC: CORE: Small: Detecting and overcoming next gen authentication usability challenges.* National Science Foundation: IIS – Secure & Trustworthy Cyberspace. Project Leader: **Jeremiah Still**. Submitted 11/10/17.
- \$7,000 (Funded). *Modeling the influence of saliency within mobile displays.* ODU Office of Research: Summer Research Fellowship Program. Project Leader: **Jeremiah Still**. Submitted 8/9/17.
- \$503,962 (Not Funded). *CAREER: Discovering and translating the influence and boundary conditions of visual saliency.* National Science Foundation: BCS – Perception, Action & Cognition. Project Leader: **Jeremiah Still**. Submitted 7/18/17.
- \$120,480 (Not Funded). *Developing a usable authentication method for private logins in public spaces.* Comcast Innovation Fund: General Research Grant. Project Leaders: **Jeremiah Still** and Mary Still. Submitted [3/31/16] & [2/17/17]
- \$503,112 (Not Funded). *CAREER: Understanding and predicting attentional priority within visual interface searches.* National Science Foundation: IIS. Project Leader: **Jeremiah Still**. Submitted 7/05/16.
- \$20,000 (Funded). *Exploring the influence of saliency on visual search within tablet interfaces.* New Investigator Program Grant from the Virginia Space Grant Consortium. Submitted 2/23/16.
- \$6,534 (Funded). President Ed Harvey of Advanced Training and Learning Technology, gifted a Datavault x4.4 Multidomain security workstation system to the Psychology of Design Laboratory to support our authentication research.
- \$9,635 (Funded). *Optimizing the User Experience of Device Customization.* Contracted by Motorola. Submitted 8/1/14

- \$13,778 (Funded). *Guidelines for Usable Authentication Systems*. Research, Scholarship, and Creative Activity (RSCA) Grant, Sponsored by San Jose State University. Submitted 10/25/13
- Faculty Travel Grant, San Jose State University (2014, 2015).
- \$4,866 (Not Funded). *The Costs and Benefits of Online Testing Compared to Traditional In-Class Testing*. Scholarship of Teaching and Learning Research Grant, Sponsored by Society for the Teaching of Psychology. Project Leaders: Mary Still & **Jeremiah Still**. Submitted 1/28/12
- \$200,000 (Not Funded). *Microsoft Research Faculty Fellowship*, Sponsored by Microsoft Research. Submitted 4/1/11
- Faculty Travel Grant, Missouri Western State University (2009, 2010, 2011 & 2012)
- Professional Advancement Travel Grant, Iowa State Graduate College (2006, 2007 & 2008)

### **Patent Applications:**

- Tiller, L., Angelini, C., Leibner, S., & **Still, J. D.** (Aug., 2019). Explore-a-Nation (EaN): Combining graphical and alphanumeric authentication. *United States Patent and Trademark Office*, Nonprovisional Application number: US 16/550,450.
- **Still, J. D.** & Hicks, J. (2019). Mobile conventional web site attentional priority map. *Submitted Invention Disclosure Application to ODU*
- **Still, J. D.** (May, 2016). Conventional web site attentional priority map. *United States Patent and Trademark Office*, Provisional Application number: US 62/392,372.
- **Still, J. D.** & Cain, A. (Feb., 2016). Rapid serial visual presentation method for graphical authentication. *United States Patent and Trademark Office*, Provisional Application number: US 62/389,304.
- **Still, J. D.** (June, 2014). Shoulder surfing resistant PIN-entry method. *Submitted Invention Disclosure Application to SJSU*

### **University/College/Departmental Service:**

2021 – present: Master’s Curriculum Committee (ODU)

2019 – present: Intellectual Property Committee (ODU)

2017 – present: Coordinator of the HF/Cognitive seminar (ODU)

2015 – present: Human Factors Graduate Program Committee (ODU)

2015 – present: School of Cybersecurity (ODU)

2019 – 2021: Department Strategic Planning Committee (ODU)

2019 – 2021: Department Faculty Affairs (ODU)

2018 – 2020: College Institutional Review Board (ODU)

2019 Fall: Search Committee Member for Two I/O Asst./Assoc. Professors (ODU)

2016 – 2021: Undergraduate Program Committee (ODU)

2016 – 2018: Human Factors & Ergonomics Society Student Chapter Faculty Advisor (ODU)

- \* HFES Student Chapter GOLD level award 2016
- \* HFES Student Chapter GOLD level award 2017
- \* HFES Student Chapter GOLD level award 2018

2013 – 2015: Psi Chi Faculty Advisor (SJSU)

2013 – 2015: Scholarship Committee (SJSU)

2013 – 2015: Cybersecurity & Big Data Research Cluster (SJSU)

2013 – 2015: Human Factors & Ergonomics Graduate MS Program Faculty Member (SJSU)

2013 – 2015: Psychology Graduate MA Program Faculty Member (SJSU)

2013 – 2015: Supporting Faculty Member of the User Experience Association (SJSU)

2013 – 2015: Ad Hoc Research Participation Committee (SJSU)

2009 - 2013: Director, MAS: Human Factors & Usability Testing Graduate Program (MWSU)

2009 - 2013: Graduate Council Committee (MWSU)

2009 - 2013: Participant Pool Committee Chair; Sona System Admin (MWSU)

2010 – 2011: Thesis Manual Committee Chair (MWSU)

2009 - 2010: Great Plains Student Conference Committee (MWSU)

2006 - 2009: Sona Experiment Management System Administrator (ISU)

2006 - 2009: Psychology Research Participant Pool Committee (ISU)

2004 - 2009: Administrator of the Psychology Department Website (ISU)

2007 - 2008: Human Computer Interaction Executive Committee (ISU)

2007 - 2008: Human Computer Interaction Student Organization President (ISU)

2003 - 2004: Psychology Club President (MSSU)

2003 - 2004: Administrator of the Psychology Club & Phi Chi Website (MSSU)