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### ACADEMIC POSITIONS

<b>Associate Professor</b> , Purdue University	2018-present
<b>Assistant Professor</b> , Purdue University	2013-2018
<b>Assistant Professor</b> , Indiana University Purdue University Columbus	2011-2013
<b>Post-doctoral researcher</b> , Georgia Tech	2009-2011

### EDUCATION

<b>PhD</b> , Georgia Tech, Experimental Psychology, Minor: Quantitative	2009
<b>MS</b> , Georgia Tech, Experimental Psychology	2006
<b>BA</b> , Wake Forest University, Psychology w/Honors, Minor: Neuroscience	2003

### TEACHING EXPERIENCE

#### **Instructor, Purdue**

Augmenting Human Cognition [Graduate], Complex Cognitive Processes [Graduate], Introduction to Cognitive Psychology, Introduction to Research Methods in Psychology, Honors Research Seminar I, Honors Research Seminar II, Honors Research Seminar III

#### **Instructor, IUPUC**

Cognition, Learning, Psychology as a Biological Science, Capstone Lab in Psychology, Introductory Lab in Psychology, Readings & Research in Psychology

#### **Instructor, Georgia Institute of Technology**

General Psychology, Human Development, Statistical Analysis I Lab [Graduate]

### FUNDING

#### **NSF**

Amount: \$386,588 Feb 2021-Jan 2024  
*Collaborative Research: Improving Worker Safety by Understanding Risk Compensation as a Latent Precursor of At-risk Decisions*  
Co-PI with S. Hasanzadeh (PI) and B. Esmaeili (co-PI)

#### **NSF**

Amount: \$5,000,000 Sep 2020-Aug 2022  
*C-Accel Phase 2: B1 (Future Jobs and AI): Skill-XR: An Affordable and Scalable X-Reality (XR) Platform for Skills Training and Analytics in Manufacturing Workforce Education*  
Co-PI with K. Ramani (PI) and K. Peppler, N. Elmqvist, & A. Quinn (co-PIs)

#### **NSF**

Amount: \$1,000,000 Sep 2019-May 2020  
\*no-cost extension until May 2021  
*C-Accel Phase 1: Collaborative Research: Skill-LeARn: Affordable augmented reality platform for scaling up manufacturing workforce, skilling, and education*  
Co-PI with K. Ramani (PI) and D. Ebert, K. Peppler, & S. Zhang (co-PIs)

#### **NSF**

Amount: \$2,500,000 (funding directly responsible for: \$283,207) Oct 2018-Sept 2022

*FW-HTF: Collaborative Research: Pre-skilling workers, understanding labor force implications and designing future factory human-robot workflows using a physical simulation platform*  
Co-PI with K. Ramani (PI) and S. Nof, A. Quinn, K. Peppler, & D. Acemoglu (co-PIs)

**NSF** Aug 2016-Jul 2019  
Amount: \$898,800 (funding directly responsible for: \$287,996) \*no-cost extension until Jul 2021  
*Collaborative Research: Testing individualized cognitive training interventions based on a multifaceted theory of working memory*  
PI with N. Unsworth and G. Brewer (co-PIs)  
\*2 NSF-REU supplements associated with this project for additional \$10,000

**Allied Milk Producers** Aug 2016-May 2017  
Amount: \$100,000  
*Nutritional intervention for repetitive subconcussive events*  
Co-Investigator with E. Nauman (PI) and T. Talavage (co-investigator)

**NIH/NIAAA** Aug 2014-Jul 2019  
Amount: \$2,278,215 (funding directly responsible for: \$168,747)  
*Behavioral disinhibition in early-onset alcoholism*  
Co-Investigator with P. Finn (PI) and J. Busemeyer (co-investigator)

**University of Maryland Center for Advanced Study of Language** Feb 2013-Jul 2013  
Amount: \$36,275 (Revised amount: \$27,801)  
*The unitary versus non-unitary nature of executive functions and their contributions to cognition in the language*

**Office of Naval Research subcontract** Jul 2012-Jul 2015  
Amount: \$150,000 (Revised amount: \$100,000)  
*Which competencies can be enhanced by working memory training?*  
Subcontract with R. Engle (PI)

PUBLICATIONS (\*indicates publication in which I am corresponding author; <sup>1</sup>indicates undergrad student; <sup>2</sup>indicates grad student) [GOOGLE SCHOLAR](#)

1. Ruiz, Y., MacDermid Wadsworth, S. M., Elias, C., Marceau, K., Purcell, M. L., **Redick, T. S.**, Richards, E. A., & Schlesinger-Devlin, E. (2020). Ultra-rapid development and deployment of a family resilience program during the COVID-19 pandemic: Lessons learned from *Families Tackling Tough Times Together*. *Journal of Military, Veteran and Family Health*, 6(S2), 35-43. doi: 10.3138/jmvfh-6.s2-CO19-0013
2. Villanueva, A., Zhu, Z., Liu, Z., Peppler, K., **Redick, T.**, & Ramani, K. (2020). Meta-AR-App: An authoring platform for collaborative augmented reality in STEM classrooms. *CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*, 1-14. doi: 10.1145/3313831.3376146
3. \***Redick, T. S.**, Wiemers<sup>2</sup>, E. A., & Engle, R. W. (2020). The role of proactive interference in working memory training and transfer. *Psychological Research*, 84, 1635-1654. doi: 10.1007/s00426-019-01172-8

4. Martin, J. D., Shipstead, Z., Harrison, T. L., **Redick, T. S.**, Bunting, M. F., & Engle, R. W. (2020). The role of maintenance and disengagement in predicting reading comprehension and vocabulary learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *46*, 140-154. doi: 10.1037/xlm0000705
5. \***Redick, T. S.** (2019). The hype cycle of working memory training. *Current Directions in Psychological Science*, *28*, 423-429. doi: 10.1177/0963721419848668
6. Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2019). Task manipulation effects on the relationship between working memory and go/no-go task performance. *Consciousness and Cognition*, *71*, 39-58. doi: 10.1016/j.concog.2019.03.006
7. Wiemers<sup>2</sup>, E. A., **Redick, T. S.**, & Morrison, A. B. (2019). The influence of individual differences in cognitive ability on working memory training gains. *Journal of Cognitive Enhancement*, *3*, 174-185. doi: 10.1007/s41465-018-0111-2
8. Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2019). The influence of thought probes on performance: Does the mind wander more if you ask it?. *Psychonomic Bulletin & Review*, *26*, 367-373. doi: 10.3758/s13423-018-1529-3
9. Gunn, R. L., Gerst, K. R., Wiemers<sup>2</sup>, E. A., **Redick, T. S.**, & Finn, P. R. (2018). Predictors of effective working memory training in those with alcohol use disorders. *Alcoholism: Clinical & Experimental Research*, *42*, 2432-2441. doi: 10.1111/acer.13892
10. Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2018). Working memory capacity and intra-individual variability of proactive control. *Acta Psychologica*, *182*, 21-31. doi: 10.1016/j.actpsy.2017.11.002
11. Foster, J. L., Harrison, T. L., Hicks, K. L., Draheim, C., **Redick, T. S.**, & Engle, R. W. (2017). Do the effects of working memory training depend on baseline ability level? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *43*, 1677-1689. doi: 10.1037/xlm0000426
12. Christopher<sup>2</sup>, E. A., & **Redick, T. S.** (2017). Working memory. In V. Zeigler-Hill & T. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*. Springer. doi: 10.1007/978-3-319-28099-8\_1039-1
13. \***Redick, T. S.**, Unsworth, U., Kane, M. J., & Hambrick, D. Z. (2017). Don't shoot the messenger: Still no evidence that videogame experience is related to cognitive abilities – A reply to Green et al. (2017). *Psychological Science*, *28*, 683-686. doi: 10.1177/0956797617698527
14. Unsworth, N., & **Redick, T. S.** (2017). Working memory and intelligence. In J. Wixted (Ed.), *Cognitive Psychology of Memory, Vol. 2 of Learning and Memory: A Comprehensive Reference, 2nd edition*, Byrne, J. H. (ed.). pp. 163-180. Oxford: Academic Press. <http://dx.doi.org/10.1016/B978-0-12-809324-5.21041-9>
15. \***Redick, T. S.** (2016). On the relation of working memory and multitasking: Memory span and synthetic work performance. *Journal of Applied Research in Memory and Cognition*, *5*, 401-409. doi: 10.1016/j.jarmac.2016.05.003

16. \***Redick, T. S.**, Shipstead, Z., Meier, M. E., Montroy, J. J., Hicks, K. L., Unsworth, N., Kane, M. J., Hambrick, D. Z., & Engle, R. W. (2016). Cognitive predictors of a common multitasking ability: Contributions from working memory, attention control, and fluid intelligence. *Journal of Experimental Psychology: General*, *145*, 1473-1492. doi: 10.1037/xge0000219
17. McCabe, J. A., **Redick, T. S.**, & Engle, R. W. (2016). Brain training pessimism, but applied memory optimism. *Psychological Science in the Public Interest*, *17*, 187-191. doi: 10.1177/1529100616664716
18. \*Melby-Lervåg, M., **Redick, T. S.**, & Hulme, C. (2016). Working memory training does not improve performance on measures of intelligence or other measures of “far transfer”: Evidence from a meta-analytic review. *Perspectives on Psychological Science*, *11*, 512-534. doi: 10.1177/1745691616635612 (all authors contributed equally)
19. Richmond, L., **Redick, T. S.**, & Braver, T. (2015). Remembering to prepare: The benefits (and costs) associated with high working memory capacity. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*(6), 1764-1777. doi:10.1037/xlm0000122
20. \***Redick, T. S.**, Shipstead, Z., Wiemers<sup>2</sup>, E. A., Melby-Lervåg, M., & Hulme, C. (2015). What’s working in working memory training? An educational perspective. *Educational Psychology Review*, *27*, 617-633. doi:10.1007/s10648-015-9314-6
21. Oswald, F. O., McAbee, S. T., **Redick, T. S.**, & Hambrick, D. Z. (2015). The development of a short domain-general measure of working memory capacity. *Behavior Research Methods*, *47*, 1343-1355. doi:10.3758/s13428-014-0543-2
22. Unsworth, N., **Redick, T. S.**, McMillan, B. D., Hambrick, D. Z., Kane, M. J., & Engle, R. W. (2015). Is playing video games related to cognitive abilities? *Psychological Science*, *26*, 759-774. doi:10.1177/0956797615570367
23. Foster, J. L., Shipstead, Z., Harrison, T. L., Hicks, K. L., **Redick, T. S.**, & Engle, R. W. (2015). Shortened complex span tasks can reliably measure working memory capacity. *Memory & Cognition*, *43*, 226-236. doi:10.3758/s13421-014-0461-7
24. \***Redick, T. S.** (2015). Working memory training and interpreting interactions in intelligence interventions. *Intelligence*, *50*, 14-20. doi:10.1016/j.intell.2015.01.014
25. \***Redick, T. S.**, & Webster, S. B. (2014). Videogame interventions and spatial ability interactions. *Frontiers in Human Neuroscience*, *8*, 183. doi:10.3389/fnhum.2014.00183
26. \*Armand<sup>1</sup>, J. T., **Redick, T. S.**, & Poulsen, J. R. (2014). Task-specific performance effects with different numeric keypad layouts. *Applied Ergonomics*, *45*, 917-922. doi:10.1016/j.apergo.2013.11.008
27. \***Redick, T. S.** (2014). Cognitive control in context: Working memory capacity and proactive control. *Acta Psychologica*, *145*, 1-9. doi:10.1016/j.actpsy.2013.10.010

28. Harrison, T. L., Shipstead, Z., Hicks, K. L., Hambrick, D. Z., **Redick, T. S.**, & Engle, R. W. (2013). Working memory training may increase working memory capacity but not fluid intelligence. *Psychological Science, 24*, 2409-2419. doi:10.1177/0956797613492984
29. \***Redick, T. S.**, & Lindsey, D. R. B. (2013). Complex span and n-back measures of working memory: A meta-analysis. *Psychonomic Bulletin & Review, 20*, 1102-1113. doi:10.3758/s13423-013-0453-9
30. \***Redick, T. S.**, Shipstead, Z., Harrison, T. L., Hicks, K. L., Fried, D. E., Hambrick, D. Z., Kane, M. J., & Engle, R. W. (2013). No evidence of intelligence improvement after working memory training: A randomized, placebo-controlled study. *Journal of Experimental Psychology: General, 142*, 359-379. doi:10.1037/a0029082
31. \***Redick, T. S.**, Unsworth, N., Kelly, A. J., & Engle, R. W. (2012). Faster, smarter? Working memory capacity and perceptual speed in relation to fluid intelligence. *Journal of Cognitive Psychology, 24*, 844-854. doi:10.1080/20445911.2012.704359
32. Shipstead, Z., **Redick, T. S.**, Hicks, K. L., & Engle, R. W. (2012). The scope and control of attention as separate aspects of working memory. *Memory, 20*, 608-628. doi:10.1080/09658211.2012.691519
33. Shipstead, Z., **Redick, T. S.**, & Engle, R. W. (2012). Is working memory training effective? *Psychological Bulletin, 138*, 628-654. doi:10.1037/a0027473
34. \***Redick, T. S.**, Broadway, J. M., Meier, M. E., Kuriakose, P. S., Unsworth, N., Kane, M. J., & Engle, R. W. (2012). Measuring working memory capacity with automated complex span tasks. *European Journal of Psychological Assessment, 28*, 164-171. doi:10.1027/1015-5759/a000123
35. Mayers, L. B., & **Redick, T. S.** (2012). Authors' reply to "Response to 'Clinical utility of ImPACT assessment for post-concussion return-to-play counseling: Psychometric issues'". *Journal of Clinical and Experimental Neuropsychology, 34*, 435-442. doi:10.1080/13803395.2012.667790
36. Mayers, L. B., & **Redick, T. S.** (2012). Clinical utility of ImPACT assessment for postconcussion return-to-play counseling: Psychometric issues. *Journal of Clinical and Experimental Neuropsychology, 34*, 235-242. doi:10.1080/13803395.2011.630655
37. Unsworth, N., **Redick, T. S.**, Spillers, G. J., & Brewer, G. A. (2012). Variation in working memory capacity and cognitive control: Goal maintenance and microadjustments of control. *Quarterly Journal of Experimental Psychology, 65*, 326-355. doi:10.1080/17470218.2011.597865
38. \***Redick, T. S.**, & Engle, R. W. (2011). Integrating working memory capacity and context-processing views of cognitive control. *Quarterly Journal of Experimental Psychology, 64*, 1048-1055. doi:10.1080/17470218.2011.577226
39. Mayers, L. B., **Redick, T. S.**, Chiffrieller, S. H., Simone, A. N., & Terraforte, K. R. (2011). Working memory capacity among collegiate student-athletes: Effect of sport-related head

contacts, concussions, and working memory demands. *Journal of Clinical and Experimental Neuropsychology*, 33, 532-537. doi:10.1080/13803395.2010.535506

40. \***Redick, T. S.**, Calvo, A., Gay, C. E., & Engle, R. W. (2011). Working memory capacity and go/no-go task performance: Selective effects of updating, maintenance, and inhibition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 308-324. doi:10.1037/a0022216
41. Unsworth, N., **Redick, T. S.**, Lakey, C. E., & Young, D. L. (2010). Lapses in sustained attention and their relation to executive control and fluid abilities: An individual differences investigation. *Intelligence*, 38, 111-122. doi:10.1016/j.intell.2009.08.002
42. Broadway, J. M., **Redick, T. S.**, & Engle, R. W. (2010). Working memory capacity: Self-control is (in) the goal. In R. Hassin, K. N. Ochsner, & Y. Trope (Eds.), *Self control in society, mind, and brain* (pp. 163-173). Oxford University Press: New York, NY. doi:10.1093/acprof:oso/9780195391381.003.0009
43. Shipstead, Z. M., **Redick, T. S.**, & Engle, R. W. (2010). Does working memory training generalize? *Psychologica Belgica*, 50, 245-276. doi:10.5334/pb-50-3-4-245
44. Unsworth, N., **Redick, T. S.**, Heitz, R. P., Broadway, J. M., & Engle, R. W. (2009). Complex working memory span tasks and higher-order cognition: A latent-variable analysis of the relationship between processing and storage. *Memory*, 17, 635-654. doi:10.1080/09658210902998047
45. Barch, D. M., Berman, M. G., Engle, R., Jones, J. H., Jonides, J., MacDonald, A., III, Nee, D. E., **Redick, T. S.**, & Sponheim, S. R. (2009). CNTRICS final task selection: Working memory. *Schizophrenia Bulletin*, 35, 136-152. doi:10.1093/schbul/sbn153
46. \***Redick, T. S.**, Heitz, R. P., & Engle, R. W. (2007). Working memory capacity and inhibition: Cognitive and social consequences. In D. S. Gorfein, & C. M. MacLeod (Eds.), *Inhibition in cognition* (pp. 125-142). Washington, DC: American Psychological Association. doi:10.1037/11587-007
47. \***Redick, T. S.**, & Engle, R. W. (2006). Working memory capacity and Attention Network Test performance. *Applied Cognitive Psychology*, 20, 713-721. doi:10.1002/acp.1224
48. Heitz, R. P., **Redick, T. S.**, Hambrick, D. Z., Kane, M. J., Conway, A. R. A., & Engle, R. W. (2006). Working memory, executive function, and general fluid intelligence are not the same. *Behavioral and Brain Sciences*, 29, 134-135. doi:10.1017/S0140525X06319036

#### SYMPOSIA

Redick, T. S. (2020, November). *Domain generality and specificity of verbal working memory training*. Talk given as part of the *Verbal Working Memory: Domain General or Domain Specific?* symposium at the annual meeting of the Psychonomic Society, virtual.

Redick, T. S. (2020, May). Talk to be given as part of the *Artificial Intelligence at Work: Promises and Challenges of Working with Robots* symposium at the annual meeting of the Association of Psychological Science, Chicago, IL.  
~~†canceled due to COVID-19~~

- Redick, T. S. (2020, May). Talk to be given as part of the *Psychonomic Society Leading Edge Workshop: 'Adversarial Collaboration'*, Edinburgh, Scotland.  
~~†~~canceled due to COVID-19
- Redick, T. S., & Wiemers<sup>2</sup>, E. A., (2020, April). Talk to be given as part of the *Society for Experimental Psychology and Cognitive Science (SEPCS) Symposium in Honor of Mentor Award Recipient Randall W. Engle* at the annual meeting of the Southeastern Psychological Association, New Orleans, LA.  
~~†~~canceled due to COVID-19
- Redick, T. S. (2018, April). *Test-retest reliability of the Immediate Post-concussion Assessment and Cognitive Testing*. Talk given as part of the *Assessing Cognition after Sports-Related Concussion* symposium at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Redick, T. S. (2017, May). *Is working memory training working, and for whom?* Talk given as part of the *Do "brain-training" programs work?* symposium at the annual meeting of the Association of Psychological Science, Boston, MA.
- Redick, T. S. (2016, May). *Action video game training produces near but not far transfer*. Talk given as part of the *Skill Acquisition and Expertise* symposium at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Redick, T. S. (2016, April). *What's working in working memory training?* Talk given as part of the *Taking Stock of Cognitive Training: Theory, Neural Mechanisms and Application* symposium at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
- Redick, T. S., & Wiemers, E. A. (2016, March). *What's working in working memory training?* Talk given as part of the *Working Memory* symposium at the annual meeting of the Southern Society for Philosophy and Psychology, Louisville, KY.

#### INVITED TALKS

Southeastern Workers in Memory (senior keynote) <del>†</del> canceled due to COVID-19	4/3/20
Mid-America Undergraduate Psychology Research Conference (keynote)	4/6/19
DePauw University	11/16/17
Indiana University	3/9/16
University of Illinois Urbana Champaign	1/29/16
Charles River Association of Memory (keynote; held at Harvard University)	12/11/14
Indiana University	11/8/13
University of Notre Dame	10/3/11
Georgia State University	10/5/09

#### HONORS AND AWARDS

Fellow, Midwestern Psychological Association	2020
Fellow, Psychonomic Society	
College of Health and Human Sciences PRF International Travel Grant Award	2018-19
College of Health and Human Sciences PRF Summer Faculty Grant Award	Summer 2018
James C. Naylor Award for Teaching Excellence in Psychology	2017

Faculty Development Award, IUPUC	Fall 2012
Release Time for Research Award, IUPUI OVCR	Summer 2012

ASSOCIATE EDITOR

Journal of Experimental Psychology: General	2020-current
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EDITORIAL BOARD

Intelligence	2018-current
Journal of Cognition	2017-current
Journal of Applied Research in Memory and Cognition	2016-current

REVIEWER

**Grants:** National Science Foundation, European Science Foundation, Swiss National Science Foundation, Poland National Science Centre, German Research Foundation

**Conferences:** Midwestern Psychological Association

**Journals:** Acta Psychologica; Aging Clinical and Experimental Research; American Journal of Psychology; Applied Cognitive Psychology; Attention, Perception, & Psychophysics; Behavior Research Methods; Brain and Cognition; British Journal of Psychology; Child Development; Clinical Psychological Science; Cognition and Emotion; Cognitive Psychology; Concussion; Consciousness and Cognition; Current Directions in Psychological Science; Current Opinion in Behavioral Sciences; Developmental Psychology; Developmental Science; Educational Psychology Review; Educational Research Review; European Journal of Psychological Assessment; Experimental Psychology; Frontiers in Cognition; Human Brain Mapping; Intelligence; Journal of Applied Research in Memory and Cognition; Journal of Clinical and Experimental Neuropsychology; Journal of Cognitive Enhancement; Journal of Cognitive Psychology; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Individual Differences; Journal of Personality and Social Psychology; Journal of Psycholinguistic Research; Learning & Behavior; Learning and Individual Differences; Memory & Cognition; Mind, Brain, and Education; Motivation Science; Neuropsychologia; Neuropsychological Rehabilitation; Perceptual & Motor Skills; Personality and Individual Differences; Perspectives on Psychological Science; PLoS ONE; Psychology and Aging; Psychological Science; Psychological Bulletin; Psychological Science in the Public Interest; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Science; Sports Medicine; Translational Issues in Psychological Science

MENTORSHIP**Graduate Students**

Alexa Bushinski (in progress)  
 Amanda Fordyce (in progress)  
 Liz Wiemers (PhD 2020; MS, 2016)  
 Eddie Christopher (PhD, 2019)

**Undergraduate Research-Focused Honors Program**

Lauren Schiro (2021-22)  
 Jacob Strachan (2021-22)  
 Laura Long (2017-18)

**Undergraduate Independent Senior Research**

Jennie Swanson (2019-20)  
 Amanda Fordyce (2019-20)  
 Katherine Goulden (2018-19)  
 Joan Kim (2014)

**Undergraduate Summer Research Opportunity Program**

Jenny Walker (University of Central Florida, 2014; now graduate student at Georgia Tech)  
 Shea Duarte (California State Polytechnic University, Pomona, 2018; now graduate student at University of California Davis)

**Visiting Undergraduate Research Assistants from Other Universities**

Katelyn Haase, Indiana State University, fall 2018  
 Mayesha Awal, Georgetown University, summer 2018  
 Melissa Kerfoot, Franklin College, summer 2015

**SERVICE****Field**

Council member, Midwestern Psychological Association 2020-current  
 Program committee member, Midwestern Psychological Association annual meeting 2019-current

**Purdue**

Diversity, Equity, and Inclusion committee, Psychological Sciences current  
 Graduate committee, Psychological Sciences current  
 Research Advisory Committee, Purdue HHS 2020-current  
 Chair, Psychological Sciences department cognitive faculty search current  
 Director, Research Focused Honors Program current;  
 2017-2018  
 Social media committee, Psychological Sciences 2017-current  
 Faculty advisor, Purdue Undergraduates in Psychological Research club 2017-current  
 Military Programs committee, Purdue University 2015-current  
 Families Tackling Tough Times Together Steering committee, Purdue HHS 2020  
 Committee member, Psychological Sciences department head search 2020  
 Undergraduate committee, Psychological Sciences spring 2020;  
 2017-2019  
 Advisory committee, Psychological Sciences 2017-2020  
 Research-focused honors program evaluation committee 2018  
 Committee member, Psychological Sciences department head search 2016  
 Human subjects advisory committee, Psychological Sciences 2015-2017  
 Graduate Teaching Assistant Orientation workshop speaker 2015, 2016  
 PSY 120 Hybrid lecture contributor 2015  
 Committee member, Psychological Sciences Autism cluster faculty search 2014

**IUPUC**

Committee member, Mental health counseling faculty search 2013  
 Committee member, Psychology faculty search 2013  
 Committee member, Science advisor search 2012  
 Faculty Senate 2012-2013  
 Ivy Tech advisory board 2012-2013  
 Faculty co-advisor, Psych Club 2011-2013

PROFESSIONAL PRESENTATIONS (<sup>1</sup>indicates undergrad student; <sup>2</sup>indicates grad student)

von Bastian et al... (2020, November). Advancing the understanding of individual differences in attentional control: Theoretical, methodological, and analytical considerations. Talk given at the annual meeting of the Psychonomic Society, virtual.

Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2020, April). Trial level flexibility in use of cognitive control. Talk to be given at the annual meeting of the Midwestern Psychological Association, Chicago, IL. *†canceled due to COVID-19*

Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2019, November). Action video game training produces near transfer only. Poster given at the annual meeting of the Psychonomic Society, Montréal, QC.

Wingert, K. M., **Redick, T. S.**, & Brewer, G. A. (2019, November). A mechanistic account of the relation between working memory capacity and fluid intelligence. Poster to be given at the annual meeting of the Psychonomic Society, Montréal, QC.

Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2019, April). *The relationship between working memory and enumeration with distraction*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Christopher<sup>2</sup>, E. A., & **Redick, T. S.** (2019, April). *Measuring active monitoring and preparation with pupillometry*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Goulden<sup>1</sup>, K., & **Redick, T. S.** (2019, April). *Working memory and reasoning: Analyses of errors and strategies in number series performance*. Poster given at the Purdue Undergraduate Research Conference, West Lafayette, IN.

Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2018, November). *The influence of thought probes on performance: Does the mind wander more if you ask it?* Poster given at the annual meeting of the Psychonomic Society, New Orleans, LA.

Christopher<sup>2</sup>, E. A., & **Redick, T. S.** (2018, November). *Are saccadic tasks compatible with a manual response mode?* Poster given at the annual meeting of the Psychonomic Society, New Orleans, LA.

Goulden<sup>1</sup>, K., & **Redick, T. S.** (2018, November). *Working memory and reasoning: A meta-analysis and investigation of the relationship between complex span tasks and number series*. Poster given at the Purdue Fall Undergraduate Research Exposition, West Lafayette, IN.

**Redick, T. S.**, Wiemers<sup>2</sup>, E. A., & Morrison, A. B. (2018, July). *The relationship between baseline cognitive ability and working memory training improvement*. Talk given at the annual meeting of the International Society for Intelligence Research, Edinburgh, UK.

Long<sup>1</sup>, L. F., Su, R., & **Redick, T. S.** (2018, April). *"Tokens" in teams? Predictors of temporal changes in the perception of women in engineering*. Poster given at the 16th Psychology Undergraduate Research Conference, West Lafayette, IN.

- Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2018, April). *Individual differences in cognitive ability affect training improvements*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Redick, T. S.**, Brewer, G. A., & Unsworth, N. (2017, November). *Working memory capacity and reading comprehension: A test of the multifaceted theory*. Talk given at the annual meeting of the Psychonomic Society, Vancouver, BC.
- Zou, Y., Mao, X., Jang, I., Vike, N., Svaldi, D., **Redick, T.**, Leverenz, L., Nauman, E., Talavage, T., & Rispoli, J. (2017, October). *Short and long-term white matter microstructural differences in adolescent female soccer athletes*. Poster given at the annual meeting of the Biomedical Engineering Society, Phoenix, AZ.
- Zou, Y., Jang, I., Vike, N., Poole, V., Shenk, T., Svaldi, D., **Redick, T.**, Leverenz, L., Nauman, E., Talavage, T., & Rispoli, J. (2017, October). *Abnormal white matter microstructure and cognitions in adolescent athletes with concussion history*. Poster given at the annual meeting of the Biomedical Engineering Society, Phoenix, AZ.
- Zou, Y., Jang, I., Vike, N. L., **Redick, T. S.**, Leverenz, L. J., Nauman, E. A., Talavage, T. M., & Rispoli, J. V. (2017, June). *White matter microstructure in previously concussed adolescent athletes: Implications on cognition*. Poster given at the annual meeting of the Organization for Human Brain Mapping, Vancouver, BC.
- Fansher<sup>1</sup>, M., **Redick, T. S.**, & Helie, S. (2017, June). *Categorization system switching: The role of individual differences in executive function*. Poster given at the 6th Midwestern Cognitive Science Conference, Oxford, OH.
- Gunn, R. L., Gerst, K. R., **Redick, T. S.**, & Finn, P. R. (2017, June). *Predictors of effective working memory training in those with alcohol use disorders: A preliminary analysis*. Poster given at the annual meeting of the Research Society on Alcoholism, Denver, CO.
- Gerst, K. R., Gunn, R. L., **Redick, T. S.**, & Finn, P. R. (2017, June). *Far transfer effects of working memory training in those with alcohol use disorders: A preliminary analysis*. Poster given at the annual meeting of the Research Society on Alcoholism, Denver, CO.
- Zou, Y., Mao, X., Jang, I., Vike, N. L., **Redick, T. S.**, Talavage, T. M., & Rispoli, J. V. (2017, April). *White matter microstructure in adolescent female soccer athletes: Diffusion MRI relations with years of high-school experience, concussion history, and cognitive measurements*. Poster given at the annual meeting of the International Society for Magnetic Resonance in Medicine, Honolulu, HI.
- Gletsu-Miller, N., Mischler, R. A., Armah, S. M., **Redick, T. S.**, Rosen, A. D., & Choi, J. N. (2017, April). *Improvement in fatigue, quality of life and cognitive function following oral iron supplementation for treatment of iron deficiency in patients who have had bariatric surgery*. Poster given at the annual meeting of the American Society for Nutrition, Experimental Biology, Chicago, IL.
- Christopher<sup>2</sup>, E. A., & **Redick, T. S.** (2016, November). *Individual differences in working memory predict pro-saccade performance*. Poster given at the annual meeting of the Psychonomic Society, Boston, MA.

- Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2016, November). *Stimulus and decision type influence go/no-go performance*. Poster given at the annual meeting of the Psychonomic Society, Boston, MA.
- Gunn, R. L., Gerst, K. R., **Redick, T. S.**, & Finn, P. R. (2016, June). *Examining the efficacy of working memory training in those with alcohol use disorders*. Poster given at the annual meeting of the Research Society on Alcoholism, New Orleans, LA.
- Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2016, May). *Working memory capacity relationships with perceptual and semantic go/no-go tasks*. Poster given at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Redick, T. S.** (2015, November). *Mind the gap: Individual differences in verbal and nonverbal working memory as measured by complex span and n-back tasks*. Talk given at the annual meeting of the Psychonomic Society, Chicago, IL.
- Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2015, November). *Working memory capacity and dynamic cognitive control*. Poster given at the annual meeting of the Psychonomic Society, Chicago, IL.
- Redick, T. S.**, & Wiemers<sup>2</sup>, E. A. (2015, May). *The role of proactive interference in working memory training and transfer*. Poster given at the annual meeting of the Association for Psychological Science, New York, NY.
- Redick, T. S.** (2015, May). *The role of proactive interference in working memory training*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Wiemers<sup>2</sup>, E. A., & **Redick, T. S.** (2015, April). *Working memory capacity and practice-related proactive shift in cognitive control*. Poster given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Walker, J. A., & **Redick, T. S.** (2015, April). *Individual differences in working memory capacity and reading comprehension of electronic texts*. Poster presented at the 8th annual Student Conference on Human Factors and Applied Psychology, Daytona Beach, FL.
- Redick, T. S.**, Melby-Lervåg, M., Hulme, C., & Grovack, A. (2014, November). *Does working memory training improve intelligence? A meta-analytic update*. Talk given at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Harrison, T. L., Shipstead, Z., Hicks, K. L., Foster, J. L., Trani, A. N., Sloan, P. M., **Redick, T. S.**, Bunting, M. F., & Engle, R. W. (2014, November). *The relationship between prospective memory and cognitive abilities*. Poster given at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Redick, T. S.**, McAbee, S. T., Oswald, F. L., & Hambrick, D. Z. (2014, November). *Validation of a short domain-general measure of working memory capacity*. Poster given at the annual meeting of the Society for Computers in Psychology, Long Beach, CA.
- Oswald, F. O., McAbee, S. T., **Redick, T. S.**, & Hambrick, D. Z. (2013, November). *The development of a short domain-general measure of working memory capacity*. Poster given at the annual meeting of the Psychonomic Society, Toronto, ON.

- Redick, T. S., & Lindsey, D. R. B.** (2013, August). *A comparison of complex span and n-back measures of working memory*. Talk given at the annual meeting of the American Psychological Association, Honolulu, HI.
- Redick, T. S., & Lindsey, D. R. B.** (2013, May). *Complex span and n-back measures of working memory: A meta-analysis*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Richmond, L., **Redick, T. S.**, & Braver, T. (2012, November). *Working memory capacity influences strategic choice on a cognitive control task*. Poster given at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Harrison, T. L., Shipstead, Z., Hicks, K. L., **Redick, T. S.**, Hambrick, D. Z., & Engle, R. W. (2012, November). *Does working memory training improve working memory capacity?* Talk given at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Redick, T. S.** (2012, May). *Comparison of working memory predictors of multitasking*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Redick, T. S.**, Shipstead, Z., Harrison, T. L., Hicks, K. L., Fried, D. E., Hambrick, D. Z., Kane, M. J., & Engle, R. W. (2011, November). *Generalization of working memory training to complex cognition?* Talk given at the annual meeting of the Psychonomic Society, Seattle, WA.
- Redick, T. S.**, Ahrens, A. N., Schwarb, H., Dulas, M. R., Schumacher, E. H., & Engle, R. W. (2011, April). *Functional MRI investigation of variation in working memory capacity: Looking forward or looking backward?* Poster given at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Redick, T. S.** (2011, February). *Does executive attention mediate the relationship between working memory capacity and fluid intelligence?* Talk given at the annual meeting of the North Carolina Cognition Group, Greensboro, NC.
- Redick, T. S.**, Hambrick, D. Z., Kane, M. J., Unsworth, N., & Engle, R. W. (2010, December). *The role of executive attention in the link between working memory capacity and fluid intelligence*. Talk given at the annual meeting of the International Society for Intelligence Research, Washington, DC.
- Redick, T. S.**, Hambrick, D. Z., Kane, M. J., Unsworth, N., Shipstead, Z. M., & Engle, R. W. (2010, November). *WMC: Weighing up Multitasking and Cognition*. Talk given at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Redick, T. S.**, & Engle, R. W. (2010, February). *Look forward, not backward: Working memory capacity and the distinction between proactive and reactive control*. Talk given at the annual meeting of the North Carolina Cognition Group, Winston-Salem, NC.
- Redick, T. S.**, & Engle, R. W. (2009, November). *Individual differences in working memory capacity and the distinction between proactive and reactive control*. Poster given at the annual meeting of the Psychonomic Society, Boston, MA.

- Redick, T. S., & Engle, R. W.** (2009, March). *Updating and maintenance in working memory: Selective effects upon relationships with fluid intelligence*. Talk given at the annual meeting of the North Carolina Cognition Group, Durham, NC.
- Prebianca, G. V., Mota, M. B., & **Redick, T. S.** (2009, March). *Bilingual lexical access: Individual differences in working memory capacity and level of proficiency*. Poster given at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Redick, T. S.** (2008, December). *Individual and age differences in working memory capacity, processing speed, and intelligence: Insight from eye-movement and psychometric analyses*. Talk given at the annual meeting of the International Society for Intelligence Research, Decatur, GA.
- Redick, T. S., Calvo, A., & Engle, R. W.** (2008, November). *Working memory capacity, updating, and maintenance: Selective effects of interference upon relationships with fluid intelligence*. Poster given at the annual meeting of the Psychonomic Society, Chicago, IL.
- Engle, R. W., **Redick, T.**, Heitz, R., Smith, A., & Kelly, A. (2007, July). *Working memory capacity and speed of processing*. Talk given at the joint meeting of the Experimental Psychological Society and Psychonomic Society, Edinburgh, Scotland.
- Redick, T. S., Heitz, R. P., Aguilera Martinez, A., & Engle, R. W.** (2006, November). *Working memory, processing speed, and fluid intelligence: An eye-movement analysis*. Poster given at the annual meeting of the Psychonomic Society, Houston, TX.
- Redick, T. S., Heitz, R. P., Aguilera Martinez, A., & Engle, R. W.** (2006, May). *Working memory, processing speed, and intelligence: An eye movement analysis*. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Redick, T. S., & Engle, R. W.** (2006, March). *Working memory capacity and context-processing views of cognitive control*. Poster given at the annual meeting of the Southeastern Psychological Association, Atlanta, GA.
- Redick, T., & Engle, R. W.** (2005, November). *Context maintenance and working memory capacity*. Poster given at the annual meeting of the Psychonomic Society, Toronto, ON.
- Hairston, W. D., Laurienti, P. J., Burdette, J. H., Brown, C. L., **Redick, T. S.**, Mishra, G., & Wallace, M. T. *Multisensory localization performance under conditions of degraded visual acuity*. Program No. 267.11. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2003.