

## Curriculum Vitae

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**Daryl E. Wilson**

**February, 2024**

### PERSONAL

*Address:* Department of Psychology  
Queen's University  
Humphrey Hall  
62 Arch Street  
Kingston, Ontario, K7L 3N6  
Canada

*Office Telephone:* 613-533-2611

*Email:* [daryl.wilson@queensu.ca](mailto:daryl.wilson@queensu.ca)

### EDUCATION

1995 University of Waterloo, Waterloo, Ontario  
B.Sc., Major in Psychology

1997 Wilfrid Laurier University, Waterloo, Ontario  
M.A., Psychology  
Title: Estimating Automatic Influences of Memory Over Time  
Supervisor: Dr. Keith D. Horton

2003 University of Toronto, Toronto, Ontario  
Ph.D., Psychology  
Title: Load Effects on Selective Attention  
Supervisors: Dr. Colin M. MacLeod, Dr. Jay Pratt

### ACADEMIC APPOINTMENTS:

2003 – 2006 **Postdoctoral fellow**, Johns Hopkins University  
Supervisor: Dr. Steven Yantis

2006 – 2012 **Assistant Professor**, Queen's University

2012 – present **Associate Professor**, Queen's University

## FUNDING

**Innovation for Defence Excellence and Security Grant**, “Intelligent, Dynamically Adaptive Simulation and Operational Support to Enhance Medical Trauma Response (Phase 1b).”

Department of National Defence, Government of Canada. \$859,780 (October 2020).

Principal Investigator: Paul Hungler

Co-investigators: Daryl Wilson, Daniel Howes, Adam Szulewski, James McLellan, Ali Etemad, Dirk Rodenburg

**Enhanced Road Safety Transfer Payment Program**, “Looking Under the Hood—Developing InCogNito, an Intelligent, Validated, and User Friendly Real Time Cognitive Load and Expertise Classifier for Road Safety Analysis and Driver Training.” Transport Canada, Government of Canada. \$1,604,886 (applied May, 2021).

Co-Principal Investigators: Paul Hungler, Dirk Rodenburg

Co-Investigators: Daryl Wilson, Daniel Howes, Adam Szulewski, James McLellan, Ali Etemad, Aaron Ruberto, Behnam Bangini, Heather Braund, Rob Theriault

**Social Sciences and Humanities Research Council Institutional Grant**: “Development of a Real-Time Objective Measure of Mind-Wandering and Assessment of its Utility for Maintaining Focused Attention.” Wilson (PI). (2018-2019).

**Natural Sciences and Engineering Research Council Operating Grant**: “Cortical and behavioural aspects of attentional control.” Wilson (PI). \$92,435 (2007-2013).

**NeuroDevNet (a Canadian Network of Centres of Excellence) Opportunities Initiative Grant**: “Adaptive training of cognitive function in ASD, FASD, and ADHD.” Wilson (co-PI). \$150,000 (2010-2013).

**Leaders Opportunity Fund – Canada Foundation for Innovation and Ontario Research Fund for Research Infrastructure Funding**: “Behavioural properties and cortical mechanisms of cognitive control.” Wilson (PI). \$287,500 (2007-2012).

**Infrastructure Operating Fund – Canada Foundation for Innovation**: “Behavioural properties and cortical mechanisms of cognitive control.” Wilson (PI). \$34,500 (2009-2014).

**Queen’s University Advisory Research Council Grant**: “Functional imaging studies of cognitive control.” Wilson (PI). \$8,000 (2007-2008).

**Queen’s University Research Initiation Grant**: Wilson (PI). \$96,000 (2006-present).

## TEACHING

2002	Instructor, University of Toronto PSY375 – Attention and Performance
2006	Instructor, Queen’s University

- PSYC970 – Advanced Special Topics in Cognitive Science: Attentional Processes
- 2007 Instructor, Queen’s University  
PSYC420 – Advanced Topics in Cognitive Psychology
- 2008 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC220S – Cognitive Psychology (correspondence)  
PSYC323 – Laboratory in Attention  
PSYC422 – Selected Topics in Attention
- 2009 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC220S – Cognitive Psychology (correspondence)  
PSYC422 – Selected Topics in Attention  
PSYC970 – Cognitive Control: Theory and Application
- 2010 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC220S – Cognitive Psychology (correspondence)  
PSYC323 – Laboratory in Attention  
PSYC422 – Selected Topics in Attention
- 2011 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC323 – Visual Cognition Lab  
PSYC422 – Selected Topics in Attention
- 2012 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology
- 2013 Instructor, Queen’s University  
PSYC323 – Visual Cognition Lab
- 2014 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC323 – Visual Cognition Lab  
PSYC422/971 (winter) – Selected Topics in Attention  
PSYC422/971 (fall) – Selected Topics in Attention
- 2015 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC323 – Visual Cognition Lab  
PSYC422/971 – Selected Topics in Attention
- 2016 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC323 – Visual Cognition Lab
- 2017 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology  
PSYC221S (winter) – Cognitive Psychology  
PSYC221S (fall) – Cognitive Psychology  
PSYC323 – Visual Cognition Lab
- 2018 Instructor, Queen’s University  
PSYC203 – Research Methods in Psychology

	PSYC221S – Cognitive Psychology PSYC323 – Visual Cognition Lab
2019	Instructor, Queen’s University PSYC203 – Research Methods in Psychology PSYC422 – Selected Topics in Attention
2020	Instructor, Queen’s University PSYC221S – Cognitive Psychology PSYC323 – Visual Cognition Lab
2021	Instructor, Queen’s University PSYC203 – Research Methods in Psychology PSYC221S – Cognitive Psychology PSYC323 – Visual Cognition Lab PSYC907 – Cognitive Neuroscience Research Seminar
2022	Instructor, Queen’s University PSYC203 – Research Methods in Psychology PSYC221S – Cognitive Psychology PSYC323 – Visual Cognition Lab PSYC907 – Cognitive Neuroscience Research Seminar
2023	Instructor, Queen’s University PSYC203 – Research Methods in Psychology PSYC221S – Cognitive Psychology PSYC323 – Visual Cognition Lab PSYC907 – Cognitive Neuroscience Research Seminar
2024	Instructor, Queen’s University PSYC203 – Research Methods in Psychology

## **SCHOLARSHIPS**

1996 – 1997	Wilfrid Laurier University, Graduate scholarship (\$4,450)
1998 – 2000	Natural Sciences and Engineering Research Council of Canada, Graduate scholarship (total amount awarded: \$38,200)
2000 – 2001	University of Toronto Fellowship (\$7,200)
2001	John Davidson Ketchum Memorial Graduate Award in Psychology, University of Toronto (\$3,300)
2001 – 2002	Ontario Ministry of Training, Colleges and Universities, Ontario Graduate Scholarship (\$15,000)
2001 – 2002	Toronto Western Hospital Research Institute, Vision Science Research Scholarship (\$7,500)
2002 – 2003	Ontario Ministry of Training, Colleges and Universities, Ontario Graduate Scholarship (\$15,000)
2002 – 2003	Toronto Western Hospital Research Institute, Vision Science Research Scholarship (\$9,500)
2003 – 2006	NIDA, Postdoctoral Fellowship (~\$36,000 per year)

## AWARDS

- 1997 Academic Gold Medal, Wilfrid Laurier University,  
for the best Master's thesis in the Faculty of Arts and Science
- 1997 Governor-General's Academic Medal, Wilfrid Laurier University,  
for the highest academic standing in a Master's programme

## PUBLICATIONS

1. **Ruberto, A**, Rodenburg, D, Ross, K, Sarkar, P, Hungler, P, Etemad, A, Howes D, Clarke, D, McLellan, J, Wilson, D, & Szulewski, A (April, 2021). The future of simulation based medical education: Adaptive simulation utilizing a deep multitask neural network. *AEM Education and Training*. doi:10.1002/aet2.10605.
2. **Harrison, GW, Kang M**, & Wilson DE (March, 2021). Remembering more than you can say: Examining “amnesia” in attended attributes. *Acta Psychologica*, 214, doi: 10.1016/j.actpsy.2021.103265.
3. **Tan P**, Ensor TM, Hockley WE, **Harrison GW**, & Wilson DE (June, 2020). In support of selective rehearsal: Double-item presentation in item-method directed forgetting. *Psychonomic Bulletin & Review*, 27, 529-535, doi: 10.3758/s13423-020-01723-w.
4. **Rajsic J**, Wilson D. E., Pratt J (April, 2018). The price of information: Increased inspection costs reduce the confirmation bias in visual search. *Quarterly Journal of Experimental Psychology*. 71(4), 832-849, doi: 10.1080/17470218.2016.1278249.
5. **Harrison G, Rajsic J**, & Wilson D. E. (October, 2017). Temporal Trimming: Evidence that common onset masking shortens perceptual sampling of conscious object representations. *Attention, Perception, & Psychophysics*, 79(7), 2171-2178, doi: 10.3758/s13414-017-1384-8.
6. **Rajsic J**, Ouslis N, Wilson D. E., & Pratt J (August, 2017). Looking sharp: Becoming a search template boosts precision and stability in visual working memory. *Attention, Perception, & Psychophysics*. 79(6),1643-1651. doi: 10.3758/s13414-017-1342-5.
7. **Rajsic J**, Swan G, Wilson D. E., & Pratt J (September, 2017). Accessibility limits recall from visual working memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 43(9), 1415-1431, doi: 10.1037/xlm0000387.
8. **Harrison, G. W., Rajsic, J.**, & Wilson, D. E. (February, 2016). Object-Substitution Masking Degrades the Quality of Conscious Object Representations. *Psychonomic Bulletin & Review*, 23(1), 180-186, doi: 10.3758/s13423-015-0875-7.

9. **Rajsic, J.**, Wilson, D. E., & Pratt, J. (October, 2015). Confirmation bias in visual search. *Journal of Experimental Psychology; Human Perception & Performance*, 41(5), 1353-1364. doi: 10.1037/xhp0000090.
10. **Furlano, R.**, Kelley, E., Hall, L., & Wilson, D. (May, 2015). Self-perception of competencies in adolescents with Autism Spectrum Disorders. *Autism Research*, 8(6), 761-770. doi: 10.1002/aur.1491.
11. **Rajsic, J.**, & Wilson, D. E. (Oct., 2014). Asymmetrical access to color and location in visual working memory. *Attention, Perception, & Psychophysics*, 76, 1902-1913. doi: 10.3758/s13414-014-0723-2
12. **Rajsic, J., Bi, Y.**, & Wilson, D. E. (2014). Long-term facilitation of return: A response-retrieval effect. *Psychonomic Bulletin & Review*. 21(2) 418-424. doi: 10.3758/s13423-013-0502-4
13. Wild, C. J., **Yusuf, A.**, Wilson, D. E., Peelle, J. E., Davis, M. H., Johnsrude, I. S. (2012). Effortful Listening: The processing of degraded speech depends critically on attention. *Journal of Neuroscience*, 32, 14010-14021. doi: 10.1523/JNEUROSCI.1528-12.2012
14. Wilson, D. E., Muroi, M., & MacLeod, C. M. (2011). Dilution, not load, affects distractor processing. *Journal of Experimental Psychology: Human Perception & Performance*, 37, 319-335.
15. Greenberg, A., Esterman, M., Wilson, D. E., Serences, J., & Yantis, S. (2010). Control of Spatial and Feature-Based Attention in Frontoparietal Cortex. *Journal of Neuroscience*, 30, 14330-14339.
16. Joordens, S., Wilson, D. E., Spalek, T. M., & Paré, D. E. (2010). Turning the Process-Dissociation Procedure Inside-Out: A New Technique for Understanding the Relation Between Conscious and Unconscious Influences. *Consciousness & Cognition*, 19, 270-280.
17. Dodd, M. D., & Wilson, D. E. (2009). Training attention: Interactions between central cues and reflexive attention. *Visual Cognition*, 17, 736-754.
18. Wilson, D. E., MacLeod, C. M., & Muroi, M. (2008). Practice in visual search produces decreased capacity demands but increased distraction. *Perception & Psychophysics*, 70, 1130-1137.
19. Wilson, D. E., & Pratt, J. (2007). Evidence from a response choice task reveals a selection bias in the attentional cueing paradigm. *Acta Psychologica*, 126, 216-225.
20. Yang, L., Hasher, L., & Wilson, D. E. (2007). Synchrony effects in automatic and controlled retrieval. *Psychonomic Bulletin and Review*, 14, 51-56.

21. Wilson, D. E., Castel, A. D., & Pratt, J. (2006). Long-term inhibition of return for spatial locations: Evidence for a memory retrieval account. *Quarterly Journal of Experimental Psychology*, *59*, 2135-2147.
22. Horton, K. D., Wilson, D. E., Vonk, J., Kirby, S. L., & Nielsen, T. (2005). Measuring automatic retrieval: A comparison of implicit memory, process dissociation, and speeded response procedures. *Acta Psychologica*, *119*, 235-263.
23. Wilson, D. E., & Horton, K. D. (2002). Comparing techniques for estimating automatic retrieval: Effects of retention interval. *Psychonomic Bulletin & Review*, *9*, 566-574.
24. Horton, K. D., Wilson, D. E., & Evans, M. (2001). Measuring automatic retrieval. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *27*, 958-966.
25. Servos, P., Lederman, S., Wilson, D., & Gati, J. (2001). fMRI-derived cortical maps for shape, texture, and hardness. *Cognitive Brain Research*, *12*, 307-313.

## BOOK CHAPTERS

1. MacLeod, C.M., Dodd, M. D., Sheard, E. D., Wilson, D. E., & Bibi, U. (2003). In opposition to inhibition. B. H. Ross (Ed.), *The Psychology of Learning and Motivation*, Vol. 43, 163-206.

## REFEREED ABSTRACTS

1. **Blumberg, M. J., Harrison, G. W., & Wilson, D. E.** (2021). Examining overt and covert attentional capture by task irrelevant stimuli during a novel continuous performance task. *Journal of Vision*, *21*(9), 2173-2173. doi: 10.1167/jov.21.9.2173
2. **Harrison, G. W., Wood-Ross, C., Best, M., Eriksen, J., Wilson, D. E., Bowie, C.** (2021). Isolating Working Memory Capacity Deficits from Sustained Attention Deficits in Patients with Schizophrenia Using a Single Behavioral Task. *Journal of Vision*, *21*(9), 2173-2173. doi: 10.1167/jov.21.9.2899
3. **Harrison, G. W., Shaul, E., Aucoin, P., Poppenk, J., & Wilson, D. E.** (2018). The Wandering Eye: A novel method for the objective measurement of mind wandering in real time. *Journal of Vision*, *18*(10), 1197-1197. doi: 10.1167/18.10.1197
4. **Harrison, G. W., & Wilson, D. E.** (2016). Visual working memory is spatially global? Boundaries in the similarity of visually perceived and internally represented stimuli. *Journal of Vision*, *16*(12), 1437-1437. doi: 10.1167/16.12.1437

5. **Harrison, G. W., Lau, C., Rajsic, J., & Wilson, D. E.** (2015). Effect of object substitution masking on the perceived duration of supra-threshold object representations. *Journal of Vision, 15(12)*, 1231-1231. doi: 10.1167/15.12.1231
6. **Rajsic, J., Wilson, D. E., Pratt, J.** (2015). Investigating confirmation bias in overt visual search. *Journal of Vision, 15(12)*: 1356-1356. doi: 10-1167/15.12.1356
7. **Rajsic, J., Wilson, D. E., Pratt, J.** (2014). Confirmation bias in visual search. *Journal of Vision, 14(10)*, 927. doi:10.1167/14.10.927
8. **Harrison, G. W., Rajsic, J., & Wilson, D. E.** (2014). Effect of object-substitution masking on the perceptual quality of object representations. *Journal of Vision, 14(10)*, 1060; doi:10.1167/14.10.1060
9. Wilson, D. E., **O'Grady, M., & Rajsic, J.** (2013). Multiple Object Tracking: Support for Hemispheric Independence. *Journal of Vision, 13(9)*, 1295. doi 10.1167/13.9.1295
10. **Rajsic, J., & Wilson, D. E.** (2013). Encoding, maintenance, retrieval: Comparison limits in change detection. *Journal of Vision, 13(9)*, 323. doi 10.1167/13.9.323
11. **Rajsic, J., & Wilson, D. E.** (2012). Remembering where: Estimated memory for visual objects is better when retrieving location with colour. *Visual Cognition, 20:9*, 1036-1039. doi 10.1080/13506285.2012.726477
12. **Rajsic, J., Bi, Y., & Wilson, D. E.** (2012). Spatial Allocation of Attention: Motor Conflict Contributions. *Journal of Vision, 12*, 566. doi: 10.1167/12.9/566
13. Wilson, D. E., & **Bi, Y.** (2011). Effect of feature and response conflicts on the spatial allocation of attention. *Journal of Vision, 11*, 248. doi:10.1167/11.11.248
14. Witherspoon, R., Wilson, D. E., & Castelhana, M. (2011). The Individual and Combined Effects of Spatial Context and Feature Cues in Visual Search. *Journal of Vision, 11*, 1308. doi:10.1167/11.11.1308
15. **Rajsic, J. D. & Wilson, D. E.** (2011). Does covert attention alter perceived contrast: Evidence from gender perception. *Journal of Vision, 11*, 246. doi:10.1167/11.11.246
16. **Rajsic, J. D., & Wilson, D. E.** (2010). Effect of Feature-Based Cueing on Perceptual Experience. *Journal of Vision, 10*, 173. doi:10.1167/10.7.173
17. Wilson, D. E., & **Charbonneau, C.** (2009). Working Memory Influence on Perceptual Processing. *Journal of Vision, 9*, 185. doi:10.1167/9.8.185
18. Wilson, D. E., & **Gilbert, D. A. E.** (2008). Effect of perceptual load on response control. *Journal of Vision, 8*, 782. doi:10.1167/8.6.782



19. Dodd, M. D., Van der Stigchel, S., Wilson, D. E. (2007). Training attention: Examining interactions between the attentional, motor, and oculomotor systems. *Journal of Vision*, 7, 698. doi:10.1167/7.9.698
20. Wilson, D. E., & Pratt, J. (2007). Motor selection bias in a no-target, response choice version of the attentional cueing paradigm. *Journal of Vision*, 7, 653. doi:10.1167/7.9.653

## NON-REFEREED PRESENTATIONS

1. **Blumberg, M. J., Harrison, G. W., & Wilson, D. E.** (2021, June). *Distraction, Daily Life Inattention, and Perceptual Load*. Poster presented at the Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Montreal, Quebec. (Virtual Presentation)
2. Hungler, P., Rodenburg, D., Howes, D., Szulewski, A., **Ruberto, A.**, Braund, H., ... Angkanr, P. (2021). *A Multi-disciplinary, Multi-domain, and Multi-Modal Approach to the Automated Classification and Application of Cognitive Load Through Physiological Signals and Deep Neural Networks*. Paper presented at 13th International Cognitive Load Theory Conference: Applications Across the Disciplines.
3. **Blumberg, M. J., Harrison, G. W., & Wilson, D. E.** (2020, November). *Tracking the temporal dynamics of distraction in the context of continuous task performance*. Poster presented at the 61<sup>st</sup> Annual Meeting of the Psychonomic Society. (Virtual Presentation)
4. **Blumberg, M. J., Harrison, G. W., & Wilson, D. E.** (2020, November). *Tracking the temporal dynamics of distraction in the context of continuous task performance*. Poster presented at the Object Perception, Attention, and Memory conference. (Virtual Presentation)
5. **Harrison, G. W., Blumberg, M. J., Wilde, J., Tan, P., & Wilson, D. E.** (2019, November). *Task demands increase priming from long-term memory in visual search*. Poster presented at the Object Perception, Attention, and Memory conference, Montreal, ON.
6. Poppenk, J. & Wilson, D. (2019, October). EMDR is not "special": *De-arousal effects reflect domain-general memory-weakening phenomena*. Poster presented at the 49<sup>th</sup> Annual Meeting of the Society for Neuroscience, Chicago, Illinois.
7. **Blumberg, M., Harrison, G., Wilde, J. Tan, P., & Wilson, D. E.** (2019, June). *Impact of Perceptual Load on Long-Term Memory Retrieval*. Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
8. **Brant, K. M., Harrison, G. W., & Wilson, D. E.** (2019, June). *Resolving the issue of poor reliability in the differential study of attentional capacity*. Poster presented at the

29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.

9. **Baik, K., Harrison, G.,** Tripp, D., & Wilson, D. E. (2019, June). *A gamified tool for measuring reflexive and sustained attention towards pain-relevant stimuli with diagnostic potential.* Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
10. **Harrison, G, Aucoin, P.,** Poppenk, J., & Wilson, D. E. (2019, June). *The wandering eye: A tool for the objective and reliable measurement of mind-wandering at high temporal resolutions.* Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
11. **Harrison, G., Nolan, K.,** & Wilson, D. E. (2019, June). *Resolving the issue of reliability in the measurement of sustained attention.* Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
12. **Tan, P., Harrison, G.,** Ensor, T., & Wilson, D. E. (2019, June). *Exploring the impact of conflicting memory instructions on intentional forgetting.* Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
13. **Tan, P., Caplan, E., Harrison, G.,** & Wilson, D. E. (2019, June). *Investigating Memory for Pictures in Directed Forgetting using the Double-Item Paradigm.* Poster presented at the 29<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario.
14. **Tan, P.,** & Wilson, D. E. (2019, May). *Do Conflicting Memory Instructions Affect the Distribution of Attention in Double-Item Directed Forgetting Paradigm?* Poster presented at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science. Washington, D.C.
15. **Harrison, G. W.,** & Wilson, D. E. (2019, May). *How Long Can You Keep It up? a Gamified Clinical Tool to Measure Attentional Biases.* Poster presented at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science. Washington, D.C.
16. **Harrison, G. W., Shaul, E., Aucoin, P.,** Poppenk, J., Wilson, D. E. (2018). *The Wandering Eye: A tool to detect the onset and duration of mind wandering objectively and in real time.* Poster presented at the Object Perception, Attention, and Memory conference. New Orleans, Louisiana, U.S.A.: 15 November.
17. **Harrison, G. W.,** Giammarco, M., St. John, M., Al-Aidroos, N., Wilson, D. E. (2017, November). *Establishing the boundaries of capture for episodic long-term memory attentional control set items.* Poster presented at the 25<sup>th</sup> Annual Meeting of the Object Perception, Attention, and Memory conference. Vancouver, British Columbia.

18. Dawson, S. J., **Harrison, G. W.**, Wilson, D. E., Chivers, M. L. (2017, July). *May I Have Your Attention, Please? A Multi-Method Approach to Understanding Attentional Processing of Sexual Cues*. Paper presented at the International Academy of Sex Research. Charleston, South Carolina.
19. Harrison, **G. W.**, **Kang, M.**, & Wilson, D. E. (2016, November). *Are non-reported attended attributes really forgotten? Remembering more than you can say*. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, Massachusetts.
20. **Rajsic, J.**, Ouslis, N., Wilson, D. E., Pratt, J. (2016, November). *Looking Sharp: Becoming a search template boosts precision and stability in visual working memory*. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, Massachusetts.
21. **Kang, M.**, **Harrison, G. W.**, & Wilson, D. E. (2016, June). *Remembering more than you can say: Re-examining "amnesia" of object attributes*. Poster presented at the 26<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario.
22. **Harrison, G. W.**, & Wilson, D. E. (2016, June). *Using Stroop to investigate the spatial specificity of visual working memory representations*. Talk presented at the 26<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario.
23. **Britton, E.**, **Harrison, G. W.**, & Wilson, D. E. (2015, June). *Comparison of perceptual and working memory distractors on a search task*. Poster presented at the 25th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario.
24. **Harrison, G. W.**, **Rajsic, J.**, & Wilson, D. E. (2015, June). *Quantifying qualitative aspects of consciousness using object-substitution masking*. Poster presented at the 25th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario.
25. Wilson, D. E., **Harrison, G. W.**, **Rajsic, J.**, **Lau, C.** (2015, June). *Temporal perception of supra-threshold object representations: Effects of object-substitution masking*. Poster presented at the 25th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario.
26. Furlano, R., Kelley, E., Hall, L., & Wilson, D. (2015, May). *The relation between theory of mind and self-perceptions in adolescents with Autism Spectrum Disorders*. Poster presented at the International Meeting for Autism Research, Salt Lake City, UT.
27. Furlano, R., Kelley, E., Hall, L., & Wilson, D. (2015, March). *Positively-biased self-perceptions in individuals with Autism Spectrum Disorders*. Poster presented at the Society for Research in Child Development, Philadelphia, PA.

28. **Rajisic, J.**, Wilson, D. E., & Pratt, J. (2015, March) Controlled stimulus selection attenuates confirmation bias in visual search. Poster presented at the *International Convention of Psychological Science*, Amsterdam, Netherlands.
29. Furlano, R., Kelley, E., Hall, L., & Wilson, D. (2014, October). *Self-perception of competencies in adolescents with Attention-Deficit Hyperactivity Disorder*. Poster presented at the Canadian ADHD Resource Alliance Research Day, Toronto, ON.
30. Hall, L., Kelley, E., Wilson, D., Ladwig, E., Furlano, R., & **Rajisic, J.** (2014, October). *Academic achievement is predicted by attention and executive functioning in adolescents with ADHD*. Poster presented at the Canadian ADHD Resource Alliance Research Day, Toronto, ON.
31. Hall, L., Kelley, E., Wilson, D., **Rajisic, J.**, Ladwig, E., & Furlano, R. (2014, July). *Antisaccade saccadic reaction time after completion of videogame training program for individuals with Autism Spectrum Disorder*. Poster presented at Biennial Meeting of the International Society for Developmental Neuroscience. Montreal, QC. doi: 10.1016/j.ijdevneu.2015.04.188
32. **Harrison, G. W., Rajisic, J.**, Wilson, D. E. (2014). *Object-substitution masking reveals the graded nature of conscious perception*. Paper presented at the 24th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, Ontario.
33. Hall, L., Kelley, E. A., Wilson, D. E., Ladwig, E., Furlano, R., & **Rajisic, J.** (2014, May). *Eye-Tracking Measures of Executive Functioning Correlate with Academic Achievement in Adolescents with ASD*. Paper to be presented at the International Meeting for Autism Research, Atlanta, Georgia.
34. Furlano, R., Kelley, E. A., Hall, L., & Wilson, D. E. (2014, May). *Examining the Causal Mechanisms of Positively-Biased Self-Perceptions in Adolescents with Autism Spectrum Disorders*. Paper to be presented at the 2014 International Meeting for Autism Research, Atlanta, Georgia.
35. **Harrison, G., Rajisic, J.**, & Wilson, D. E. (2014). *Object-Substitution Masking Degrades and Deletes*. Paper presented at the Lake Ontario Visionary Establishment, Niagara Falls, Ontario.
36. **Rajisic, J.**, & Wilson, D. E. (2013). *On the role of cue information in visual working memory*. Paper presented at the 21<sup>st</sup> Annual Meeting of the Object Perception, Attention, & Memory conference, Toronto, Ontario.
37. Hudson, C. C., Kelley, E. A., Wilson, D. E., Furlano, R., & Hall, L. (2013). Predictors of Victimization in Adolescents with Autism Spectrum Disorders. Paper presented at the 4th Annual Brain Development Conference, Vancouver, British Columbia.

38. **Rajsic, J.**, Wilson, D. E., Kelley E., Hall L. & Furlano, R. (2013). Development of a Cognitive Training Program for Treatment of Attentional Difficulties. Paper presented at the 4th Annual Brain Development Conference, Vancouver, British Columbia.
39. **Rajsic, J., Yu, D., & Wilson, D. E.**, (2013). Interactions between remembered visual features and search performance. Paper presented at the 23rd Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Calgary, Alberta.
40. Furlano, R., Kelley, E. A., **Ladwig, E.**, Hall, L., Wilson, D. E. (2013). *Self-perception of competencies in adolescents with attention-deficit hyperactivity disorder and autism spectrum disorders*. Paper presented at the International Meeting for Autism Research, Donostia, Spain.
41. Hall, L., Kelley, E. A., Wilson, D. E., Furlano, R., **Ladwig, E., & Rajsic, J.** (2013). *Attention and executive function as predictors of functional impairments in adolescents with autism spectrum disorder*. Paper presented at the International Meeting for Autism Research, Donostia, Spain.
42. Wilson, D. E., Kelley E., **Ladwig, E., Rajsic, J.**, Hall L. & Furlano S. (2012). *Development of an adaptive cognitive training program for treatment of attentional difficulties*. Paper presented at the 3<sup>rd</sup> Annual Brain Development Conference, Toronto, Ontario.
43. Kelley, E., Wilson, D. E., **Ladwig, E., Rajsic, J.**, Hall L. & Furlano S. (2012). *Improvements in executive functioning after videogame training*. Paper presented at the 3<sup>rd</sup> Annual Brain Development Conference, Toronto, Ontario.
44. Furlano, R., Kelley, E. A., **Ladwig, E.**, Hall, L., Wilson, D. E. (2012). *Self-perception of competencies in adolescents with attention-deficit hyperactivity disorder and autism spectrum disorders*. Paper presented at the 3<sup>rd</sup> Annual Brain Development Conference, Toronto, Ontario.
45. Hall, L., Kelley, E. A., Wilson, D. E., Furlano, R., **Ladwig, E., & Rajsic, J.** (2012). *Attention and executive function as predictors of functional impairments in adolescents with autism spectrum disorder*. Paper presented at the 3<sup>rd</sup> Annual Brain Development Conference, Toronto, Ontario.
46. **Harrison, G., Rajsic, J.**, Wilson, D. E. (2012). *The effect of cue size on local and global processing*. Paper presented at the 22nd Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Kingston, Ontario.
47. **Yoon, W. S., Rajsic, J.**, Wilson, D. E. (2012). *Impact of visual search training on the efficiency of saccadic deployment*. Paper presented at the 22nd Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Kingston, Ontario.

48. Wilson, D. E., & Kelley, E. (2011). *Adaptive training of cognitive function in ASD, FASD, and ADHD*. Paper presented at the Neurodevnet / GRAND workshop – When Virtual Meets Reality: Part 2, Vancouver, British Columbia.
49. **Rajsic, J.**, & Wilson, D. E. (2011). *Does covert attention alter perceived contrast? Evidence from gender perception*. Paper presented at the 19th Annual Meeting of the Object Perception, Attention, & Memory conference, Seattle, Washington.
50. **Bi, Y., Rajsic, J.**, & Wilson, D. E. (2011). *Inhibition of return: Attentional and motor conflict contributions*. Paper presented at the 21st Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Winnipeg, Manitoba.
51. **Rajsic, J.**, & Wilson, D. E. (2011). *Does covert attention alter perceived contrast? Evidence from gender perception*. Paper presented at the 21st Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Winnipeg, Manitoba.
52. Kelley, E. & Wilson, D. E. (2011). *Adaptive training of cognitive function in ASD, FASD, and ADHD*. Paper presented at the NEUROGAM symposium at the Second Annual Brain Development Conference, Vancouver, British Columbia.
53. Wild, C., **Yusuf, A.**, Wilson, D., Peelle, J., Davis, M., & Johnsrude, I (2011). *The neural system supporting the enhancement by attention of the processing of degraded speech*. Paper presented at the 17<sup>th</sup> Annual Meeting of The Organization for Human Brain Mapping, Quebec City, Quebec.
54. Wilson, D. E., & **Cheung, T.** (2010). *Influence of memory-relevant and memory-irrelevant features on attentional allocation*. Paper presented at the 20th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, Nova Scotia.
55. Wild, C., **Yusuf, A.**, Wilson, D., Peelle, J., Davis, M., & Johnsrude, I (2011). *The neural system supporting the enhancement by attention of the processing of degraded speech*. Paper presented at the 34<sup>th</sup> Mid-Winter Meeting of The Association for Research in Otolaryngology, Baltimore, Maryland.
56. **Rajsic, J. D.**, & Wilson, D. E. (2010). *The effect of feature-based attention on spatial resolution*. Paper presented at the 18<sup>th</sup> Annual Meeting of the Object Perception, Attention, & Memory conference, St. Louis, Missouri.
57. Wild, C.; **Yusuf, A.**; Wilson, D. E.; Peelle, J; Davis, M.; Johnsrude, I. (2010). *Attention enhances the processing of degraded speech: evidence from fMRI implicates left temporal and inferior frontal regions*. Paper presented at the 40<sup>th</sup> Annual Meeting of the Society for Neuroscience, San Diego, California.
58. **Rajsic, J. D.**, & Wilson, D. E. (2010). *Influence of feature-based cues on spatial resolution*. Paper presented at the 20<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, Nova Scotia.

59. Wilson, D. E. (2009). *Interaction of perception and memory retrieval*. Paper presented at the Summer Workshop on Attention and Performance, Hamilton, Ontario.
60. Wilson, D. E., & **Charbonneau, C.** (2008). *Impact of working memory on a visual search task*. Paper presented at the 18<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, London, Ontario.
61. **Gilbert, D. A. E.**, & Wilson, D. E. (2008). *Independence of attentional control and response control*. Paper presented at the 18<sup>th</sup> Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, London, Ontario.
62. Greenberg, A. S., Wilson, D. E., Serences, J. T., & Yantis, S. (2006). *Sources and Targets of Space-based and Feature-based Attention in Human Cortex*. Paper presented at the 36<sup>th</sup> Annual Meeting of the Society for Neuroscience, Atlanta, Georgia.
63. Yantis, S., Greenberg, A. S., & Wilson, D. E. (2006). *Domain-independent mechanisms of cognitive control*. Paper presented at Cognitive Science Association for Interdisciplinary Learning, Hood River, Oregon.
64. Wilson, D. E., Serences, J. T., Greenberg, A. S., & Yantis, S. (2005). *Dissociating task switching components with behavioral and cortical measures*. Paper presented at the 35<sup>th</sup> Annual Meeting of the Society for Neuroscience, Washington, DC.
65. Greenberg, A. S., Wilson, D. E., Serences, J. T., & Yantis, S. (2005). *Domain-independent attention shift signals in human frontoparietal cortex*. Paper presented at the 35<sup>th</sup> Annual Meeting of the Society for Neuroscience, Washington, DC.
66. Wilson, D. E., Serences, J. T., & Yantis, S. (2004). *Cortical control of attention and response set in task switching*. Paper presented at the 34<sup>th</sup> Annual Meeting of the Society for Neuroscience, San Diego, California.
67. Wilson, D. E., & MacLeod, C. M. (2003). *Perceptual load affects memory retrieval*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Hamilton, Ontario.
68. Wilson, D. E., Dodd, M. D., & MacLeod, C. M. (2002). *Interaction of target-distractor spatial separability and load on selective attention*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Vancouver, British Columbia.
69. Wilson, D. E., Vigneau, F., & Horton, K. D. (2001). *Response time profiles on speeded implicit and speeded explicit memory tasks: Discriminating controlled and automatic retrieval*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Quebec City, Quebec.

70. Sheard, E. D., Dodd, M. D., Wilson, D. E., & MacLeod, C. M. (2001). *Evidence in support of a selective rehearsal account of list-method directed forgetting*. Paper presented at the annual meeting of the Psychonomic Society, Orlando, Florida.
71. Sheard, E. D., Dodd, M. D., Wilson, D. E., Niewiadomski, M. W., & MacLeod, C. M. (2001). *Strategic control of rehearsal in directed forgetting*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Quebec City, Quebec.
72. Joordens, S., Wilson, D. E., & Spalek, T. M. (2001). *Do divisions of attention surgically reduce the likelihood of a stimulus entering consciousness while having no effect on the unconscious processing of the stimulus?* Paper presented at the fifth conference of the Association for the Scientific Study of Consciousness, Durham, North Carolina.
73. Wilson, D. E., Muroi, M., & MacLeod, C. M. (2000). *Different effects of search load and perceptual load on selective attention..* Paper presented at the 41st annual meeting of the Psychonomic Society, New Orleans, Louisiana.
74. Wilson, D. E., Muroi, M., & MacLeod, C. M. (2000). *Search load and perceptual load: Opposite influences on selective attention*. Paper presented at the XXVII International Congress of Psychology, Stockholm, Sweden.
75. Wilson, D. E., Muroi, M., & MacLeod, C. M. (2000). *Allocation of spare capacity: Opposite effects of search load and perceptual load*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Cambridge, England.
76. Joordens, S., Wilson, D. E., & Spalek, T. M. (2000). *Turning the process dissociation procedure inside out: A new approach for investigating the relation between controlled and automatic influences*. Paper presented at the 33<sup>rd</sup> annual meeting of the Society for Mathematical Psychology, Kingston, Ontario.
77. Muroi, M., Wilson, D. E., & MacLeod, C. M. (2000). *Reducing interference by increasing load: The influence of flanker location and distinctiveness*. Paper presented at the XXVII International Congress of Psychology, Stockholm, Sweden.
78. Wilson, D. E., & Horton, K. D. (1999). *Assessing implicit memory and process dissociation estimates of automatic retrieval*. Paper presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Edmonton, Alberta.
79. Servos, P., Lederman, S., Wilson, D., Gati, J. (1998). *fMRI-derived cortical maps for haptic shape, texture, and hardness*. Paper presented at the 28<sup>th</sup> Annual Meeting of the Society for Neuroscience, Los Angeles, California.

## **INVITED PRESENTATIONS**



1. Wilson, D. E. (2002). *Three or four short talks about attention and memory*. Presented at the Ebbinghaus Empire, University of Toronto, Toronto, Ontario.
2. Wilson, D. E., & Horton, K. D. (1998). *Automatic retrieval as a function of retention interval*. Presented at the Ebbinghaus Empire, University of Toronto, Toronto, Ontario.

## **PROFESSIONAL AFFILIATIONS**

Society for Neuroscience  
Association for Psychological Science  
Canadian Society for Brain, Behaviour, and Cognitive Science  
Vision Sciences Society  
NeuroDevNet

## **AD HOC REVIEWER**

Journal of Experimental Psychology: Human Perception & Performance  
Memory and Cognition  
Psychonomic Bulletin & Review  
Acta Psychologica  
Experimental Psychology  
Psychological Research  
Frontiers in Cognition  
Canadian Journal of Experimental Psychology