

M. Karl Healey

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Education

- Postdoctoral Fellow, University of Pennsylvania – 2011 – Present
Advisor: Michael Kahana
- Ph.D. Psychology, University of Toronto – 2011
Thesis: Interference Control in Memory and Fluid Intelligence
Advisor: Lynn Hasher
Committee Members: Morgan Barense and Morris Moscovitch
- M.A. Psychology, University of Toronto – 2006
Thesis: The Role of Attention During Retrieval in Working Memory Span: A Dual-Task Study
Advisor: Akira Miyake
- B.Sc. (Hons) Psychology, Memorial University of Newfoundland - 2004

Honors and Awards

- 2009 1st place in the graduate student poster competition for Division 3 at the annual APA convention
- 2009 Ontario Graduate Scholarship (\$15,000)
- 2009 Mens Service Group Graduate Student Fellowship (\$6900)
- 2007 Ontario Graduate Scholarship (\$15,000)
- 2005 Mary H. Beatty Scholarship (\$5000)
- 2004-2006 Natural Sciences and Engineering Research Council Post-Graduate Scholarship (\$17,300 per year)
- 2004 Offered an Ontario Graduate Scholarship (\$15,000; declined in favor of NSERC PGS)

Training

- European Society for Cognitive Psychology Summer School in Computational and Mathematical Modeling of Cognition (2010).
Covered translating verbal theories into models, programming, fitting, and evaluating models.

Professional Memberships

- Association for Psychological Science

Teaching Experience

Courses Taught

- Statistics II (PSY202 - University of Toronto)
Course covering experimental design, multiple regression, and ANOVA

Courses TAed (all at the University of Toronto)

- Biological Rhythms (PSY397) – X1
- Introduction to Cognition (PSY270) – X1
- Introduction to Psychology (PSY100) – X1
- Memory and Learning Lab (PSY379) – X1
- Statistics I (PSY201) X4
- Statistics II (PSY202) X1

Guest Lectures Given

- Semantic Memory (In Introduction to Cognition)
- Reasoning, Judgment, and Decision Making (In Introduction to Cognition) – X3
- Multiple statistics tutorial lectures covering various topics (In Statistics I)

Peer Reviewing

I have reviewed or co-reviewed for the following journals:

- Memory
- Experimental Aging Research
- Psychological Review
- Gerontology
- JEP: Learning, Memory, and Cognition
- Journal of Gerontology: Psychological Sciences
- Neurobiology of Aging
- Psychology and Aging
- Psychonomic Bulletin & Review
- Psychological Research
- Consciousness and Cognition
- Journal of Experimental Social Psychology

Publications

1. Campbell, K. L., Zimmerman, S., **Healey, M. K.**, Lee, M. S., & Hasher, L. (in press). Older, but not younger, adults learn statistical regularities in distracting information. *Psychology and Aging*
2. **Healey, M. K.**, Hasher, L., & Danilova, E. (2011). The stability of working memory: Do previous tasks influence complex span?. *Journal of Experimental Psychology: General*, 140, 573–585.
3. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Osher, L. (2010). Direct Evidence For The Role of Inhibition in Resolving Interference. *Psychological Science*, 21, 1464-1470.
4. **Healey, M. K.** & Hasher, L. (2009). Limitations to the Deficit Attenuation Hypothesis: Aging and Decision Making. *Journal of Consumer Psychology*, 19, 17-22.
5. **Healey, M. K.** & Miyake, A. (2009). The Role of Attention During Retrieval in Working Memory Span: A Dual-Task Study. *Quarterly Journal of Experimental Psychology*, 62, 733-745.
6. **Healey, M. K.**, Campbell, K. L., & Hasher, L. (2008). Cognitive Aging and Increased Distractibility: Costs and Potential Benefits. In W. S. Sossin, J. C. Lacaille, V. F. Castellucci, & S. Belleville (Eds.) *Progress in brain research, Vol. 169: Essence of memory* (pp. 353-363). Amsterdam, the Netherlands: Elsevier.
7. Kim, S., **Healey, M. K.**, Goldstein, D., Hasher, L., & Wiprzycka, U. J. (2008). Age Differences in Choice Satisfaction: A Positivity Effect in Decision Making. *Psychology and Aging*, 23, 33-38.

Working Papers

1. **Healey, M. K.**, Hasher, L. & Campbell, K. L. The Role of Suppression in Resolving Interference: Evidence for an Age Related Deficit.
2. **Healey, M. K.**, Zacks, R. T., Hasher, L., & Helder E. Working Memory, Long-Term Memory, and Fluid Intelligence: The Role of Interference Control.

Presentations

Conference Presentations

1. **Healey, M. K.**, Lohnas, L. J., & Kahana, M. J. (2011, July). Extending the Context Maintenance and Retrieval Model to Understand Age Related Memory Impairments. Poster presented at the 44th Annual Meeting of the Society for Mathematical Psychology, Medford, MA, USA.
2. **Healey, M. K.** (2011, May). Commentary on: The processes and process dissociations of recognition memory. Commentary at the Context and Episodic Memory Symposium, Philadelphia, PA, USA.
3. **Healey, M. K.**, Ngo, K. W. J., & Hasher, L., (2011, May). Below Baseline Suppression of Competitors in Semantic Interference Resolution. Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA, USA.
4. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Osher, L. (2010, November). The Role of Inhibition in Interference Resolution: Evidence of an Age Related Deficit. Poster presented at the 51st annual meeting of The Psychonomic Society, St. Louis, MO, USA.
5. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Osher, L. (2010, May). The Role of Inhibition in Interference Resolution: Evidence of an Age Related Deficit. Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA, USA.

6. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Ossher, L. (2009, November). Direct Evidence For The Role of Inhibition in Resolving Interference. Poster presented at the 50th annual meeting of The Psychonomic Society, Boston, MA, USA.
7. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Ossher, L. (2009, August). Direct Evidence For The Role of Inhibition in Resolving Interference. Poster presented at the 2009 APA Annual Convention, Toronto, ON, Canada.
8. **Healey, M. K.**, Hasher, L., Danilova, E., & Zacks, R. T. (2008, November). Determinants of Working Memory Span: The Effect of Consecutive Cognitive Tasks. Poster presented at the 49th annual meeting of The Psychonomic Society, Chicago, IL, USA.
9. Harada, E. T., Mori, K., **Healey, M. K.**, Suto, S., & Goldstein, D. (2008, July). Does the maximizer-satisficer distinction explain why older adults do not want new artifacts? Paper presented at the International Congress of Psychology 2008, Berlin, Germany.
10. **Healey, M. K.**, Goldstein, D., Hasher, L., & Kim, S. (2008, April). Age Differences in Maximizing and Satisficing: Older Adults Tend Toward Satisficing and Experience Less Regret. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.
11. **Healey, M. K.**, Kim, S., Long, L., Goldstein, D., & Hasher, L. (2008, April). Evidence of Preserved Conscious and Non-Conscious Decision Making Processes in Older Adults. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.
12. Hasher, L., **Healey, M. K.**, & Campbell, K. L. (2007, October). Aging and Susceptibility to Distraction. Paper presented at the Aging and Speech Communication Conference, Indiana University, Bloomington, IN, USA.
13. **Healey, M. K.**, Kim, S., Hasher, L. , & Goldstein, D. (2006, November). Distinction Bias Among Older Adults: Does the Relationship Between Joint and Separate Evaluation Change With Age?. Poster presented at the 47th annual meeting of the Society for Judgment and Decision Making, Houston, TX, USA.
14. Kim, S., Goldstein, D., Hasher, L., Wiprzycka, U. J., Tomas, S., & Healey M. K. (2006, May). Age differences in decision satisfaction. Poster presented at the Southern Ontario Behavioural Decision Research Conference, Toronto, ON, Canada.
15. Kim, S., Goldstein, D., Hasher, L., Wiprzycka, U. J., Tomas, S., & Healey M. K. (2006, April). Age differences in decision satisfaction. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.
16. **Healey, M. K.** & Miyake, A. (2005, November). The Role of Attention During Retrieval in Working Memory Span: A Dual-Task Study. Poster presented at the 46th annual meeting of The Psychonomic Society, Toronto, ON, Canada.
17. Anderson, R. E., **Healey, M. K.**, Arlett, C., & OKeefe, C. M. (2003, November). Occurrence and consequences of AHA events in mental synthesis. Paper presented at the 44th annual meeting of The Psychonomic Society, Vancouver, BC, Canada.
18. Anderson, R. E., Arlett, C., **Healey, M. K.**, & OKeefe, C. M. (2003, April). Are there consequences of an AHA event in mental synthesis? Paper presented at the 8th European Workshop on Imagery and Cognition, Pavia, Italy.
19. **Healey, M. K.** (2003). Aha Events in mental synthesis: Consequences for memory. Paper presented at the 27th annual Atlantic Provinces Council on the Sciences Student Psychology Conference, St. Johns, NL, Canada.

Departmental Talks

1. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Ossher, L. (2009, November). Direct Evidence For The Role of Inhibition in Resolving Interference. Paper presented at Ebbinghaus Empire (departmental talk series), Toronto, ON, Canada.
2. **Healey, M. K.**, Campbell, K. L., Hasher, L., & Ossher, L. (2009, November). Direct Evidence For The Role of Inhibition in Resolving Interference. Paper presented at the Rotman Research Institute, Toronto, ON, Canada.
3. **Healey, M. K.**, Danilova, E., & Hasher, L. (2008, March). Intra-Individual Differences in Working Memory Span: The Cumulative Effect of Consecutive Cognitive Tasks. Paper presented at Ebbinghaus Empire (departmental talk series), Toronto, ON, Canada.
4. **Healey, M. K.**, Goldstein, D., Hasher, L., & Kim, S. (2007, September). Maximizing is for Kids: Older Adults Tend Toward Satisficing and Experience Less Regret. Paper presented at Ebbinghaus Empire Data Blitz (departmental talk series), Toronto, ON, Canada.
5. **Healey, M. K.**, Kim, S., Goldstein, D., Hasher, L., & Wiprzycka, U. J. (2007, January). Age Differences in Choice Satisfaction. Paper presented at Ebbinghaus Empire Data Blitz (departmental talk series), Toronto, ON, Canada.
6. **Healey, M. K.**, Kim, S., Hasher, L. , & Goldstein, D. (2006, September). Distinction Bias Among Older Adults: Does the Relationship Between Joint and Separate Evaluation Change With Age?. Paper presented at Ebbinghaus Empire Data Blitz (departmental talk series), Toronto, ON, Canada.
7. **Healey, M. K.** & Miyake, A. (2005, September). The Role of Attention During Retrieval in Working Memory Span: A Dual-Task Study. Paper presented at Ebbinghaus Empire Data Blitz (departmental talk series), Toronto, ON, Canada.