

EDUCATION

Washington University Ph.D. 2007
Washington University M.A., 2003
University of Victoria B.S., 2000

PROFESSIONAL EXPERIENCE

Associate Professor Iowa State University, 2014 –
Assistant Professor Iowa State University, 2008 – 2014
Senior Lecturer Iowa State University, 2007
Editorial Board Journal of Memory and Language, 2015 -
Editorial Board Journal of Experimental Psychology: Applied, 2013 -
Editorial Board Journal of Experimental Psychology: Learning, Memory, & Cognition, 2012 –

Professional Membership

- Psychonomic Society – Fellow
- Behavioral and Brain Sciences – Associate
- American Psychological Association (Div 3)
- American Psychology-Law Society
- Association for Psychological Science
- Eastern Psychological Association
- Midwestern Psychological Association
- Society of Applied Research in Memory & Cognition

HONORS & AWARDS

- **University Award for Early Achievement in Teaching**
Iowa State University, 2012
- **Shakeshaft Master Teacher**
College of Liberal Arts & Sciences, Iowa State University, 2012
- **Psychological Science Rising Star**
Association for Psychological Science, 2012
- **Early Career Achievement in Teaching**
Department of Psychology, Iowa State University, 2011
- **Early Career Excellence in Research**
Department of Psychology, Iowa State University, 2010

PUBLICATIONS

PEER REVIEWED PUBLICATIONS (*Denotes student author)

- *Davis, S. D., & Chan, J. C. K. (2015). Studying on borrowed time: How does testing impair new learning? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, in press.
- Chan, J. C. K., *Erdman, M. R., & *Davis, S. D. (2015). Retrieval induces forgetting, but only when nontested items compete for retrieval: implication for interference, inhibition, and context reinstatement. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, in press.
- *LaPaglia, J. A., *Wilford, M. M., Rivard, J. R., Chan, J. C. K., & Fisher, R. P. (2014). Misleading suggestions can alter later memory reports even following a Cognitive Interview. *Applied Cognitive Psychology*, 28, 1-9.
- *Wilford, M. M., Chan, J. C. K., & *Tuhn, S.J. (2014). Retrieval enhances eyewitness suggestibility to misinformation in free and cued recall. *Journal of Experimental Psychology: Applied*, 20, 81-93.
- Chan, J. C. K., & *LaPaglia, J. A. (2013). Impairing existing declarative memory in humans by disrupting reconsolidation. *Proceedings of the National Academy of Sciences of the United States of America*, 110(23), 9309–9313.
- *LaPaglia, J. A., & Chan, J. C. K. (2013). Testing increases suggestibility for narrative-based misinformation but reduces suggestibility for question-based misinformation. *Behavioral Sciences and the Law*, 31, 593-606.
- *Erdman, M. R., & Chan, J. C. K. (2013). Providing corrective feedback during retrieval practice does not increase retrieval-induced forgetting. *Journal of Cognitive Psychology*, 25, 692-703.
- *LaPaglia, J. A., & Chan, J. C. K. (2012). Retrieval does not always enhance suggestibility: Testing can improve witness identification performance. *Law and Human Behavior*, 36, 478-487.
- Chan, J. C. K., *Wilford, M. M., & *Hughes, K. L. (2012). Retrieval can increase or decrease suggestibility depending on how memory is tested: The importance of source complexity. *Journal of Memory and Language*, 67, 78-85.
- Chan, J. C. K., & *LaPaglia, J. A. (2011). The dark side of testing memory: Repeated retrieval can enhance eyewitness suggestibility. *Journal of Experimental Psychology: Applied*, 17, 418-432.
- Chan, J. C. K., & *Langley, M. (2011). Paradoxical effects of testing: Retrieval enhances both accurate recall and suggestibility in eyewitnesses. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 248-255.
- Thomas, A. K., Bulevich, J. B., & Chan, J. C. K. (2010). Testing promotes eyewitness accuracy with a warning -- Implications for retrieval enhanced suggestibility. *Journal of Memory and*

Language, 63, 149-157.

Weinstein, Y., McDermott, K. B., & Chan, J. C. K. (2010). True and false memories in the DRM paradigm on a forced choice test. *Memory*, 18, 375-384.

Chan, J. C. K. (2010). Long-term effects of testing on the recall of nontested materials. *Memory*, 18, 49-57.

Chan, J. C. K. (2009). When does retrieval induce forgetting and when does it induce facilitation? Implications for retrieval inhibition, testing effect, and text processing. *Journal of Memory and Language*, 61, 153-170.

Chan, J. C. K., Thomas, A. K., & Bulevich, J. B. (2009). Recalling a witnessed event increases eyewitness suggestibility: The reversed testing effect. *Psychological Science*, 20, 66-73.

Szpunar, K. K., Chan, J. C. K., & McDermott, K. B. (2009). Contextual processing in episodic future thought. *Cerebral Cortex*, 19, 1539-1548.

Chan, J. C. K., & McDermott, K. B. (2007). The effects of frontal lobe functioning and age on veridical and false recall. *Psychonomic Bulletin & Review*, 14, 606-611.

Chan, J. C. K., & McDermott, K. B. (2007). The testing effect in recognition memory: A dual process account. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 33, 431-437.

McDermott, K. B., & Chan, J. C. K. (2006). Effects of repetition on memory for pragmatic inferences. *Memory & Cognition*, 34, 1273-1284.

Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2006). Retrieval-induced facilitation: Initially nontested material can benefit from prior testing of related material. *Journal of Experimental Psychology: General*, 135, 553-571.

Chan, J. C. K., & McDermott, K. B. (2006). Remembering pragmatic inferences. *Applied Cognitive Psychology*, 20, 633-639.

Chan, J. C. K., McDermott, K. B., Watson, J. M., & Gallo, D. (2005). The importance of material-processing interactions in inducing false memories. *Memory & Cognition*, 33, 389-395.

Lindsay, D. S., Allen, B. P., Chan, J. C. K., & Dahl, L. C. (2004). Eyewitness suggestibility and source similarity: Intrusions of details from one event into memory reports of another event. *Journal of Memory and Language*, 50, 96-111.

Masson, M. E. J., Bub, D. N., Woodward, T. S., & Chan, J. C. K. (2003). Modulation of word-reading processes in task switching. *Journal of Experimental Psychology: General*, 132, 400-418.

BOOK CHAPTERS

McDermott, K. B., & Chan, J. C. K. (2003). False memory. In J. H. Byrne (Ed.), *Learning and*

Memory (pp. 145-147). New York: Macmillan.

PRESENTATIONS

INVITED TALKS

- Chan, J. C. K. (2013). *The dual effects of retrieval on memory – Changing the past and future*. Paper presented at the University of Illinois Chicago's Cognitive Brown Bag, Chicago, IL.
- Chan, J. C. K. (2013). *The dual effects of retrieval on memory – Changing the past and future*. Paper presented at the University of Chicago's Cognition Workshop, Chicago, IL.
- Chan, J. C. K. (2012). *Testing can increase or reduce eyewitness suggestibility – The importance of retrieval conditions*. Paper presented at the 84th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Chan, J. C. K. (2011). *Retention, retrieval practice, and future learning*. Paper presented at the Strategic Control of Learning and Remembering/Strategic Acquisition and Control of Knowledge Workshop, Michigan State University, East Lansing, MI.
- Chan, J. C. K. (2011). *Reaping the memorial benefits of testing and avoiding its pitfall*. Invited talk presented at the Professional Psychology Conference, Owatonna, MN.
- Chan, J. C. K. (2011). *Initial retrieval enhances new learning, but what are its consequences?* Symposium talk presented at the 2011 Meeting of the Eastern Psychological Association, Cambridge, MA.
- Chan, J. C. K. (2010). *Testing, remembering, and forgetting*. Invited lecture via webcam to Erasmus University Rotterdam, the Netherlands.

INVITED CAMPUS & COMMUNITY PRESENTATIONS

- Chan, J.C.K. (2014). *Achieving Success in graduate school*. Invited keynote for Psi Chi induction ceremony, Iowa State University, IA.
- Chan, J.C.K. (2013). *Helping students retain material*. Invited speaker for the Award-Winning Faculty Series, Center for Excellence in Learning and Teaching, Iowa State University, IA.
- Chan, J.C.K. (2013). *How I got started/What I wish I had known*. Invited speaker on the Preparing Future Faculty panel by the Center for Excellence in Learning and Teaching, Iowa State University, IA.
- Chan, J. C. K. (2011). *The effects of aging on the brain and memory performance*. Invited Lecture for the Osher Lifelong Learning Institute, Iowa State University, Ames, IA.
- Chan, J. C. K. (2008). *The effects of aging on the brain and memory performance*. Iowa State University Retirees Club, Iowa State University, Ames, IA.

CONFERENCE PRESENTATIONS (*Denotes student author)

- *Davis, S. D., & Chan, J. C. K. (2015). *Interpolated testing can enhance or impair new learning: The importance of task switch frequency*. Poster to be presented at the bi-annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC), Victoria, Canada.
- Dema-ala, J. D., Bernstein, D., Froc, D., & Chan, J. C. K. (2015). *Remembering events - Reconsolidation and misinformation on declarative memory*. Poster to be presented at the bi-annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC), Victoria, Canada.
- Chan, J. C. K., & *Davis, S. D. (2014). *Interleaving test trials with new learning impairs performance by encouraging time borrowing*. Paper presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.
- *Davis, S. D., & Chan, J. C. K. (2014). *Retrieval induces forgetting, but only when nontested items compete for retrieval*. Poster presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.
- *LaPaglia, J. A. & Chan, J. C. K. (2014). *Retrieval-enhanced suggestibility is eliminated when the misinformation phase includes fewer contextual details*. Poster presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.
- Min, K. J., Jackman, J., & Chan, J. C. K. (2014). *Visual models for abstract concepts towards better learning outcomes and self-efficacy*. Paper presented at the Proceedings of 121st American Society for Engineering Education Annual Conference and Exposition (ASEE), Educational Research and Methods Division, Indianapolis, IN.
- *LaPaglia, J. A., & Chan, J. C. K. (2013). *Additive benefits of testing and directed forgetting on new learning*. Paper presented at the bi-annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC), Rotterdam, The Netherlands.
- *LaPaglia, J. A., *Wilford, M. M., Rivard, J. R., Chan, J. C. K., & Fisher, R. P. (2013). *The memorial benefits of the Cognitive Interview come with a cost of enhanced suggestibility*. Paper presented at the annual meeting of the American Psychology & Law Society, Portland, OR.
- Chan, J. C. K., & *LaPaglia, J. A. (2012). *Does reconsolidation happen for episodic memory in humans?* Paper presented at the 53rd annual meeting of the Psychonomic Society, Minneapolis, MN.
- *LaPaglia, J. A., & Chan, J. C. K. (2012). *The effects of interpolated testing on directed forgetting*. Poster presented at the Annual meeting on Object Perception, Attention, and Memory, Minneapolis, MN.
- Chan, J. C. K., *Burke, K., & *LaPaglia, J. A. (2012). *Reconsolidation in human episodic memory*. Poster presented at the Annual meeting on Object Perception, Attention, and Memory, Minneapolis, MN.

- *LaPaglia, J. A., & Chan, J. C. K. (2012). *The dark side of testing memory: Repeated retrieval can enhance eyewitness suggestibility*. Paper presented at the American Psychology-Law Society Conference, San Juan, Puerto Rico.
- *Erdman, M. R., & Chan, J. C. K. (2011). *The influence of corrective feedback on retrieval-induced forgetting*. Poster presented at the Annual meeting on Object Perception, Attention, and Memory, Seattle, WA.
- *Wilford, M. M., Chan, J. C. K., & *Hughes, K. L. (2011). *Who said what? Testing may cause confusion of what but not who*. Paper presented at the Society of Applied Research in Memory and Cognition conference, New York, NY.
- *LaPaglia, J. A., & Chan, J. C. K. (2011). *Does testing help or harm perpetrator identification in the face of misinformation?* Paper presented at the American Psychology-Law Society/International Congress of Psychology and Law conference, Miami, FL.
- *Erdman, M., & Chan, J. C. K. (2010). *What is the influence of providing feedback during retrieval practice on retrieval-induced forgetting?* Poster presented at the 51st annual conference of the Psychonomic Society, Saint Louis, MO.
- *Wilford, M., Chan, J. C. K., & *Tuhn, S. J. (2010) *What are the effects of testing on eyewitness' susceptibility to subsequent central and peripheral misinformation?* Paper presented at the American Psychology-Law Society conference, Vancouver, BC, Canada.
- Chan, J. C. K., & *LaPaglia, J. A. (2009). *The costs and benefits of repeated testing: Repeated retrieval enhances eyewitness suggestibility*. Poster presented at the 50th annual meeting of the Psychonomic Society, Boston, MA.
- Thomas, A. K., Chan, J. C. K., & Bulevich, J. B. (2009). *Repeated testing in the face of new learning: misleading post-event information demonstrates the limitations of the testing effect*. Paper to be presented at 8th biennial meeting of the Society for Applied Research in Memory and Cognition (SARMAC), Kyoto, Japan.
- Thomas, A. K., & Bulevich, J. B., & Chan, J. C. K. (2008). *Confidence and the reversed testing effect of misinformation: a two-process model of subjective experience*. Poster presented at the 49th annual meeting of the Psychonomic Society, Chicago, IL.
- Chan, J. C. K., *Langley, M. M., *Paulsen, K. *Anderson, S., & *Davis, B. (2008). *Can a 1-week delay reverse the reversed testing effect on eyewitness misinformation suggestibility?* Poster presented at the 49th annual meeting of the Psychonomic Society, Chicago, IL.
- Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2007). *Can combining delay and integration reverse retrieval-induced forgetting?* Poster presented at the 48th annual meeting of the Psychonomic Society, Long Beach, CA.
- Chan, J. C. K., McDermott, K. B. (2006). *The effects of age and frontal lobe functioning on recall of pragmatic inferences*. Poster presented at the Cognitive Aging Conference, Atlanta, GA.

- Chan, J. C. K., & McDermott, K. B. (2006). *The effects of testing on recollection and familiarity*. Paper presented at the 4th International Conference of Memory (ICOM), Sydney, Australia.
- Chan, J. C. K., Thomas, A. K., & Bulevich, J. B. (2006). *Taking an immediate test exacerbates later eyewitness misinformation susceptibility – The reversed testing effect*. Poster presented at the 47th annual meeting of the Psychonomic Society, Houston, TX.
- Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2006). *Initial retrieval strategies can enhance later retrieval of initially nontested, but related information*. Poster presented at the 47th annual meeting of the Psychonomic Society, Houston, TX.
- Thomas, A. K., Chan, J. C. K., Stauffer, M. & Reisman, R. (2006). *Repeated testing increases confidence but not accuracy in the misinformation paradigm*. Poster presented at the 47th annual meeting of the Psychonomic Society, Houston, TX.
- Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2005). *Retrieval-induced facilitation – Manifestation of the testing effect on previously untested material*. Poster presented at the 17th annual meeting of the Association for Psychological Science, Los Angeles, CA.
- Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2005). *Retrieval-induced facilitation – Manifestation of the testing effect on previously untested material*. Poster presented at the 46th annual meeting of the Psychonomic Society, Toronto, ON, Canada.
- Chan, J. C. K., McDermott, K. B., & Roediger, H. L. (2005). *The effects of testing on recollection and familiarity*. Poster presented at the 46th annual meeting of the Psychonomic Society, Toronto, ON, Canada.
- Chan, J. C. K., & McDermott, K. B. (2004). *Frontal lobe functioning in older adults mediates recall of pragmatic inferences*. Poster presented at the 16th annual meeting of the Association for Psychological Science, Chicago, IL.
- McDermott, K. B., & Chan, J. C. K. (2002). *False memories and pragmatic inferences*. Paper presented at the 43rd annual meeting of the Psychonomic Society, Kansas City, MO.
- Chan, J. C. K., McDermott, K. B., Watson, J. M., & Gallo, D. (2002). *The importance of stimulus-congruent processing in producing false memories*. Poster presented at the 43rd annual meeting of the Psychonomic Society, Kansas City, MO.

GRANT ACTIVITY

EXTERNAL GRANT

- **Spencer Foundation Small Research Grant in the Area of Inquiry (Role: PI, pending)**
Title: Leveling the Playing Field: Reducing the Negative Impact of Test Anxiety on Performance with Expressive Writing and Education – Total fund requested: \$50,000
- **National Science Foundation Research Initiation Grant (Role: Co-PI, 2014)**
Title: Visualization and Its Role in Learning through Improved Mental Models and Reduced Working Memory Load

– Total fund requested: \$150,000. (With Jo Min at Iowa State University) - Not funded.

○ **National Science Foundation Research Initiation Grant (Role: Co-PI, 2013)**

Title: Visualization to aid mental modeling of abstract concepts – Total fund requested: \$150,000. (With Jo Min at Iowa State University) - Not funded.

○ **Department of Education – Institute of Education Sciences (Role: Co-PI, 2011)**

Title: Combining schedules of retrieval practice, worked examples, and cognitive training to promote problem-solving transfer in Algebra I and II -- Total fund requested: \$1,167,449. (With Gary Phye at Iowa State University) – Not funded.

○ **National Institutes of Health R01 (Role: PI, 2010)**

Title: Reducing memory suggestibility in the elderly – Total fund requested: \$1,250,000. (With Ayanna Thomas at Tufts University) – Not funded.

INTERNAL GRANT

○ **Scholarship of Teaching and Learning (SoTL) Scholars Program Grant**

Center for Excellence in Learning and Teaching, Iowa State University, 2014 - \$1,250

○ **Foreign Travel Grant**

College of Liberal Arts & Sciences, Iowa State University, 2013, \$1,182

○ **Departmental Small Grant**

Department of Psychology, Iowa State University, 2011, \$1,188

○ **Liberal Arts and Sciences Travel Grant**

College of Liberal Arts & Sciences, Iowa State University, 2007, 2008, 2009, \$2,500 Total

SERVICES

JOURNAL REVIEWER

Acta Psychologica

Applied Cognitive Psychology

Canadian Journal of Experimental Psychology
Cognition

Current Directions in Psychological Science

Developmental Psychology

Educational Psychology

Educational Psychology Review

Emotion

Experimental Brain Research

Frontiers in Integrative Neuroscience

Journal of Applied Research in Memory & Cognition

Journal of Cognitive Psychology

Journal of Experimental Psychology: Applied

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Learning,
Memory, and Cognition

Journal of Gerontology: Psychological Science

Journal of Memory and Language

Learning and Motivation

Legal and Criminological Psychology

Memory

Memory & Cognition

PLOS One

Psychological Research

Psychological Science

Psychology and Aging

Psychonomic Bulletin & Review

Quarterly Journal of Experimental Psychology

PROFESSIONAL SOCIETY SERVICES

- **Program Committee**
Midwestern Psychological Association, 2012 – Present
- **Planning Committee**
Society for Applied Research in Memory & Cognition, 2013 – Present

UNIVERSITY SERVICES

- Research Participant Pool Committee, 2010 - Present
- Asian-American Studies Steering Committee, 2013 - Present
- Psychology and Law Faculty Search Committee, 2008, 2012
- Computer Committee, 2010, 2011
- Executive Committee, 2010
- Invited Lecture Committee, 2008, 2009
- Diversity Committee, 2007