

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
Consulting Editor Journal of Experimental Psychology: Applied, 2013 -
Consulting Editor Journal of Experimental Psychology: Learning, Memory, & Cognition, 2012 –

Professional Membership

- Psychonomic Society – Fellow
- Behavioral and Brain Sciences – Associate
- American Psychological Association
- 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)

- 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)

- 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 by Educational Research and Methods Division for Proceedings of 2014 American Society for Engineering Education Annual Conference and Exposition (ASEE), 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

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

- **Foreign Travel Grant**
College of Liberal Arts & Sciences, Iowa State University, 2013
- **Departmental Small Grant**
Department of Psychology, Iowa State University, 2011
- **Liberal Arts and Sciences Travel Grant**
College of Liberal Arts & Sciences, Iowa State University, 2007, 2008, 2009

SERVICES

JOURNAL REVIEWER

Acta Psychologica	Journal of Experimental Psychology: General
Applied Cognitive Psychology	Journal of Experimental Psychology: Learning, Memory, and Cognition
Canadian Journal of Experimental Psychology	Journal of Gerontology: Psychological Science
Cognition	Journal of Memory and Language
Current Directions in Psychological Science	Learning and Motivation
Developmental Psychology	Legal and Criminological Psychology
Educational Psychology	Memory
Educational Psychology Review	Memory & Cognition
Emotion	PLOS One
Experimental Brain Research	Psychological Research
Frontiers in Integrative Neuroscience	Psychological Science
Journal of Applied Research in Memory & Cognition	Psychonomic Bulletin & Review
Journal of Cognitive Psychology	Quarterly Journal of Experimental Psychology
Journal of Experimental Psychology: Applied	

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