
Tamiko Azuma

Curriculum Vitae (*Updated January 2017*)

Office: Department of Speech & Hearing Science
Arizona State University
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Education

Arizona State University

Ph.D., Cognitive Psychology, August, 1995.
M.A., Cognitive Psychology, December, 1991.

University of California, Santa Cruz

B.A., Psychology (College Honors), June, 1989.

Academic Positions

Associate Professor, Department of Speech & Hearing Science, Arizona State University,
August 2004 – present.

Assistant Chair, Department of Speech & Hearing Science, Arizona State University,
October 2016 – present.

Assistant Professor, Department of Speech & Hearing Science, Arizona State University,
August 1998 – August 2004.

Visiting Assistant Professor, Department of Psychology, Arizona State University, August,
1997 - May, 1998.

Post-Doctoral Research Fellow, National Center for Neurogenic Communication Disorders,
The University of Arizona, August, 1995 - July, 1997.

Graduate Research Assistant, Department of Psychology, Arizona State University, August,
1989 - August, 1995.

Research & Scholarship

Research Interests

My research focuses on working memory, attention, episodic memory, and language processing in healthy young and older adults, young bilingual adults with and without history of traumatic brain injuries, and military veterans with and without history of traumatic brain injuries and cognitive processing deficits.

Grants & Awards

HHS: National Institutes of Health (NIH) R21 Grant: *Real Time and Extendable Sign Language Translation for the Deaf in Emergency Care*. Total requested Budget: \$337,665. Submitted grant proposal. Principal Investigator: S. Gupta. Co-PI: **T. Azuma**

Arizona State University Center for Sustainable Health: Observational Clinical Trial for Project HoneyBee (Year 3): *Assessing the feasibility and effectiveness of using a wearable health tracking device to identify Military Veterans at risk for service-related conditions*. **\$25,845**. PI: **T. Azuma**, Co-PI: Karen Gallagher.
Award period: Sept. 2016 – Aug. 2017.

NIH / National Institute on Deafness and Communicative Disorders (NIDCD) R01 Grant: *Speech Perception and Memory in an Episodic Lexicon*. Total Budget: **\$1,527,911**. (Grant # 1 R01-DC04535-08-13). Principal Investigator: S.D. Goldinger. Co-Investigator: **T. Azuma**. Award period: June 2007-May 2012

National Institute on Deafness and Communicative Disorders (NIDCD) R01 Grant: *Speech Perception and Memory in an Episodic Lexicon*. Competing renewal of Grant 1 R01-DC04535-01-3. Award: \$714,236. Principle Investigator: S.D. Goldinger. Co-Investigator: **T. Azuma**. Award period: August, 2003 – July, 2006.

NIH: Small Grant (R03) Program for the NIDCD: *Effects of Aging and Disease on Semantic Processing* (5 R03 DC04231-03). Award: \$150,000 (\$50,000 per year). Primary Investigator: **T. Azuma**. Award period: Jan. 2001 - Dec. 2003.

Arizona Alzheimer's Disease Core Center: *Language Production in Healthy Aging, Mild Cognitive Impairment, and Alzheimer's Disease*. Award: \$25,000. Principle Investigator: N. Silverberg. Key Personnel: **T. Azuma**. Award period: 2002-2003.

Post-doctoral fellowship, National Center for Neurogenic Communication Disorders, The University of Arizona. Fall 1995 - Spring 1997. \$19,600 per year.

Small Grants & Awards

Arizona Department of Veterans Services Small Grant Award. Project Title: *Veteran Cognition and Academic Success*. Co-investigators: K. Pittenger and **T. Azuma**. Award: 8/1/2014 - 7/31/2015.

Disabled Veterans National Foundation. Project Title: *Veterans Cognition and Communication Program*. Co-investigators: K. Pittenger and **T. Azuma**. Award: 8/1/2014 - 7/31/2015.

Arizona State University, Faculty Grant-In-Aid: *Aging and Semantic Memory*. Award: \$7000. Awarded January 1999.

Doctoral Dissertation

Azuma, T. Sensing Senses: Detecting Ambiguity in Words with Related and Unrelated Meanings. Arizona State University. *Dissertation Abstracts International: Section B: The Sciences and Engineering*. 1995 Dec; Volume 56(6-B). Page 3482.

Refereed Articles Published & In Press (* denotes student author)

- Azuma, T.** (1996). Familiarity and relatedness of word meanings: Ratings for 110 homographs. *Behavior Research Methods, Instruments, & Computers*, 28, 109-124.
- Tomoeda, C.K., Bayles, K.A., Trosset, M.W., **Azuma T.**, & McGeagh, A. (1996). Cross-sectional analysis of Alzheimer Disease effects on oral discourse in a picture description task. *Alzheimer's Disease and Related Disorders*, 10, 204-215.
- Bayles, K.A., Tomoeda, C.K., Wood, J.A., Montgomery, E.B., Cruz, R.F., **Azuma, T.**, & McGeagh, A. (1996). Change in cognitive function in idiopathic Parkinson's disease. *Archives of Neurology*, 53, 1140-1146.
- Azuma, T.**, & Van Orden, G.C. (1997). Why SAFE is better than FAST: The relatedness of a word's meanings affects lexical decision times. *Journal of Memory and Language*, 36, 484-504.
- Goldinger, S.D., **Azuma, T.**, Abramson, M., & Jain, P. (1997). Open wide and say "blah!" Attentional dynamics of delayed naming. *Journal of Memory and Language*, 37, 190-216.
- Azuma, T.**, & Bayles, K.A. (1997). Memory impairments underlying language difficulties in dementia. *Topics in Language Disorders*, 18, 58-71.
- Azuma, T.**, Bayles, K.A., Cruz, R.F., Tomoeda, C.K., Wood, J.A., McGeagh, A., & Montgomery, E.B. (1997). Comparing the difficulty of letter, semantic, and name fluency tasks for normal elderly and Parkinson patients. *Neuropsychology*, 11, 488-497.
- Bayles, K.A., Tomoeda, C.K., Wood, J.A., Cruz, R.F., **Azuma, T.**, & Montgomery, E.B., (1997). The effect of Parkinson's disease on language. *Journal of Medical Speech-Language Pathology*, 5, 157-166.
- Bayles, K.A., **Azuma, T.**, Cruz, R.F., Tomoeda, C.K., Wood, J.A., & Montgomery, E.B. (1999). Gender differences in language of Alzheimer's Disease patients revisited. *Alzheimer's Disease and Associated Disorders*, 13, 138-146.
- Azuma, T.**, Cruz, R.F., Bayles, K.A., Tomoeda, C.K., Wood, J.A., & Montgomery, E.B. (2000). Incidental learning and verbal memory in individuals with Parkinson Disease. *Journal of Medical Speech Language Pathology*, 8, 163-174.
- Bayles, K.A., Tomoeda, C.K., Montgomery, E.B., Cruz, R.F., & **Azuma, T.** (2000). The relation of mental status to integrity of lexical-semantic knowledge in Parkinson's Disease. *Advances in Speech-Language Pathology*, 2, 67-75.
- Forster, K.I., & **Azuma, T.** (2000). Masked priming for prefixed words with bound stems: Does revive prime survive? *Language and Cognitive Processes*, 15, 539-561.
- Azuma, T.**, Cruz, R.G., Bayles, K.A., Tomoeda, C.K., & Montgomery, E.B. (2003). A longitudinal study of neuropsychological change in individuals with Parkinson's Disease. *International Journal of Geriatric Psychiatry*, 18, 1115-1120.
- Goldinger, S.D., & **Azuma, T.** (2003). Puzzle-solving science: The quixotic quest for units in speech perception. *Journal of Phonetics*, 31, 305-320.
- Goldinger, S.D., Kleider, H.M., **Azuma, T.**, & Beike, D. (2003). "Blaming the victim" under memory load. *Psychological Science*, 14, 81-85.
- Azuma, T.** (2004). Working memory and perseveration in verbal fluency. *Neuropsychology*, 18, 69-77.

Refereed Articles, continued

- Azuma, T.**, *Williams, E., *Davie, J.E. (2004). Paws + Cause = Pause? Working memory load and memory blends in homophone recognition. *Psychonomic Bulletin & Review*, 11, 723-728.
- *Davie, J.E., **Azuma, T.**, Goldinger, S.D., Connor, D.J., Sabbagh, M.N., & Silverberg, N. (2004). Sensitivity to expectancy violations in healthy aging and Mild Cognitive Impairment. *Neuropsychology*, 18, 269-275
- Goldinger, S.D., & **Azuma, T.** (2004). Episodic memory reflected in printed word naming. *Psychonomic Bulletin and Review*, 11, 716-722.
- *Jones, W., Mathy, P., **Azuma, T.**, & Liss, J. (2004). The effect of general and specific synthetic cues on the intelligibility of a speaker with ALS. *Augmentative and Alternative Communication*, 20, 22-29.
- Bayles, K.A., Kim, E.S., **Azuma, T.**, Bond-Chapman, S., Cleary, S., Hopper, T., Mahendra, N., McKnight, P., Rackley, A., Tomoeda, C., Zientz, J. (2005). Developing Evidence-Based practice guidelines for speech-language pathologists serving individuals with Alzheimer's dementia. *Journal of Medical Speech-Language Pathology*, 13, xiii-xxv.
- Hopper, T., Mahendra, N., Kim, E., **Azuma, T.**, Bayles, K.A., Cleary, S.J., & Tomoeda, C.K. (2005). Evidence-based practice recommendations for working with individuals with dementia: Spaced-retrieval training. *Journal of Medical Speech-Language Pathology*, 13, xxvii-xxxiv.
- Mahendra, N., Hopper, T., Bayles, K.A., **Azuma, T.**, Cleary, S., & Kim, E.S. (2006). Evidence-Based Practice Recommendations for Working with Individuals with Dementia: Montessori-based Interventions. *Journal of Medical Speech-Language Pathology*, 14, xv-xxv.
- Kim, E., Cleary, S., Hopper, T., Bayles, K., Mahendra, N., **Azuma, T.** & Rackley, A. (2006). Evidence based practice recommendations for working with individuals with dementia: Group reminiscence therapy. *Journal of Medical Speech-Language Pathology*, xxiii-xxxiv.
- Mahendra, N., Kim, E.S., Bayles, K.A., Hopper, T., Cleary, S., & **Azuma, T.** (2006). Evidence-Based Practice Recommendations for Working with Individuals with Dementia: Computer-Assisted Cognitive Interventions (CACIs). *Journal of Medical Speech-Language Pathology*, 13, xxxv-xliv.
- *Choe, Y., **Azuma, T.**, Mathy, P., Liss, J.M., & Edgar, J. (2007). The effect of home computer practice on naming in individuals with non-fluent aphasia and verbal apraxia. *Journal of Medical Speech-Language Pathology*, 15, 407-421.
- Choe, Y., **Azuma, T.**, & Mathy, P. (2010). The Use of Computers and Augmentative and Alternative Communication Devices in Independent Naming Practice: Three Single-Case Studies. *Journal of Medical Speech-Language Pathology*, 18, 12-26.
- *Utianski, R.L., Lansford, K.L., Liss, J.M., & **Azuma, T.** (2011). The effects of topic knowledge on intelligibility and lexical segmentation in hypokinetic and ataxic dysarthria. *Journal of Medical Speech-Language Pathology*, 19(4), 25-36.

Refereed Articles, continued

- Cardon, T. A. & **Azuma, T.** (2011, June). Deciphering Single-Subject Research Design and Autism Spectrum Disorders. *The ASHA Leader*.
- Cardon, T.A., & **Azuma, T.** (2012). Visual Attending Preferences in Children with Autism Spectrum Disorders: A Comparison between Live and Video Presentation Modes. *Research in Autism Spectrum Disorders, 6*, 1061-1067. DOI: 10.1016/j.bbr.2011.03.031.
- Choe, Y., Liss, J.M., **Azuma, T.**, & Mathy, P. (2012). Evidence of cue use and performance differences in deciphering dysarthric speech. *Journal of Acoustical Society of America, 131*, pp. EL112-EL118. DOI: 10.1121/1.3674990
- *Slovarp, L. J., **Azuma, T.**, & LaPointe, L. (2012). The Effect of Traumatic Brain Injury on Sustained Attention and Working Memory. *Brain Injury, 26*, 48-57. doi:10.3109/02699052.2011.635355
- *Tat, M.J., & **Azuma, T.** (2012). Don't Shoot the Messenger: Memory for Misspellings in Context. *Journal of Psycholinguistic Research, 131*, 215-236. DOI: 10.1007/s10936-011-9188-9
- Azuma, T.**, Connor, D.J., & Sabbagh, M.N. (2013). The Effect of Healthy Aging and Mild Cognitive Impairment on Semantic Ambiguity Detection. *Journal of Neurolinguistics, 26*, 271-282. DOI:10.1016/j.jneuroling.2012.09.003
- *Tat, M.J., & **Azuma, T.** (2015). What Forgetting Tells Us about Remembering: The Influence of Top-Down Control on Hemispheric Asymmetries in Verbal Memory. *Laterality: Asymmetries of Body, Brain and Cognition, 20*, 171-190. DOI: 10.1080/1357650X.2014.948450
- *Ratiu, I. & **Azuma, T.** (2015). Working Memory Capacity: Is There a Bilingual Advantage? *Journal of Cognitive Psychology, 27*, 1-11. DOI: 10.1080/20445911.2014.976226
- *Tat, M.J., & **Azuma, T.** (2015). Remembering "Txt" but not "Text": The Effect of Context and Lexicality on Memory for Text Message Abbreviations. *Journal of Applied Psycholinguistics, 1*, 1-25. DOI: 10.1017/S0142716415000065
- *Tat, M.J., & **Azuma, T.** (2015). The Effect of Cognitive Load on Hemispheric Asymmetries in True and False Memory. *Laterality: Asymmetries of Body, Brain and Cognition, 21*, 1-26. DOI: 10.1080/1357650X.2015.1073297
- *Ratiu, I., & **Azuma, T.** (in press). Language Control in Bilingual Adults with and without History of Mild Traumatic Brain Injury. *Brain and Language*.

Manuscripts in Preparation

- *Gallagher, K., & **Azuma, T.** (under revision). Analysis of Story Recall in Military Veterans with and without mTBI: Preliminary Results.
- *Ratiu, I., & **Azuma, T.** (under revision). Executive Function in Young Bilingual Adults with and without History of Mild Traumatic Brain Injury.

- *Ratiu, I., Hout, M.C., Walenchok, S. C., **Azuma, T.**, Goldinger, S.D. (under revision). Bilingual Search Advantage: Comparing Visual Search and Eye Movements in Bilinguals and Monolinguals.
- Azuma, T.**, & *Gallagher, K. (in prep). Self-perception of Cognitive Deficits and Complex Working Memory Span in Military Veterans
- *Ratiu, I. & **Azuma, T.** (in preparation) Reading “libro” but Remembering “book”: Bilingual Language and Memory Processing in a Cross-Language Levels-of-Processing Task.
- *Gallagher, K., & **Azuma, T.** (in prep). Memory Processing in Military Veterans with and without Mild Traumatic Brain Injury.

Non-Refereed Papers

- Goldinger, S.D., **Azuma, T.**, Kleider, H.M., & Holmes, V. (2003). Font-specific memory: More than meets the eye? In J.S. Bowers & C. Marsolek (Eds.), *Rethinking Implicit Memory*. Oxford University Press. Pp. 157-196. (Peer-reviewed volume.)
- Goldinger, S.D., & **Azuma, T.** (2004) Resonance within and between linguistic beings. *Behavioral and Brain Sciences*, 27, 199-200.

Major Research Presentations

- *Baker, L., LaPointe, L., **Azuma, T.**, & Katz, R. Sustained attention and working memory following traumatic brain injury. Poster presented at the Conference of the American Speech and Hearing Association. November, 2001.
- Goldinger, S.D., & **Azuma, T.** Puzzle-Solving Science: The quixotic quest for units in speech perception. Keynote Address: Temporal integration in the perception of speech. Aix-en-Provence, France. April 2002.
- *Davie, J.E., **Azuma, T.**, Connor, D.J., Sabbagh, M.N., Silverberg, N., & Goldinger, S.D. Contextual bias and hyper-inhibition in mild cognitive impairment. Poster presented at the 43rd Annual Meeting of the Psychonomic Society. Kansas City. November 2002.
- *Nixon, S.M., LaPointe, L.L., Duane, D.D., **Azuma, T.**, & Case, J.L. (2003). Too much noise? Auditory distraction and written fluency in adults with ADHD. Poster presented at the Conference of the American Speech and Hearing Association. November, 2003.
- *Choe, Y., Mathy, P, & **Azuma, T.** (2004). Treatment Effect of Computer and AAC Device Practice on Naming in Aphasia. Poster presented at the Conference of the Arizona Speech-Language-Hearing Association. May, 2004
- *Davie, J.E., **Azuma, T.**, Goldinger, S.D., Connor, D.J., Sabbagh, M.N., & Caselli, R. (2004). Semantic Satiation in the Changing Brain. Poster presented at the 44th Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota. November 2004.
- *Choe, Y., Mathy, P, **Azuma, T.**, Liss, J., & Edgar, J. (2004). Effect of Computer-Mediated Training on Naming Performance by Individuals with Aphasia. Poster presented at the Conference of the American Speech-Language-Hearing Association. Philadelphia, PA. November, 2004
- *Choe, Y., Mathy, P, **Azuma, T.** (2005). Computer and AAC Device for Independent Naming Practice by Individuals with Chronic Non-fluent Aphasia. Presentation given at the Conference of the American Speech-Language-Hearing Association. San Diego, CA. November, 2005.

Major Research Presentations

- Choe, Y., **Azuma, T.**, Liss, J., Lotto, A., & Mathy, P. (2009) Individual Differences in Understanding Speech. ASHA Convention, New Orleans, LA: November 2009.
- Azuma, T.** & *Hickox, A. (2010). The effect of voice consistency on the memory for French and English words. Presentation given at the meeting of the Auditory Cognitive Neuroscience Society. Tucson, AZ. January 2010.
- *Tat, M., & **Azuma, T.** (2010). When Hearing is Seeing: Cross-Modal Source Errors in a Levels-of-Processing Task. Poster presented at the meeting of the Auditory Cognitive Neuroscience Society. Tucson, AZ. January 2010.
- *Tat, M., & **Azuma, T.** (2010). Grt is Great, but Gr8 is not: The Effect of Context on Text Message Processing and Memory. Poster presented at the Annual Meeting of the Psychonomic Society, St. Louis, MO. November 2010.
- *Lansford, K., Liss, J.M., Utianski, R., **Azuma, T.**, Dorman, M., and Lotto, A. (2011). Contribution of vowel distinctiveness to intelligibility and vowel identification accuracy of dysarthric speech. 161st Meeting of the Acoustical Society of America, Seattle, WA. May 2011.
- *Ratui, I., & **Azuma, T.** (2011). Cross-Language Semantic Satiation: Mass Repetition Affects More Than One Language. Poster presented at the Annual Meeting of the Psychonomic Society. Seattle, Washington. November 2011.
- *Tat, M., & **Azuma, T.** (2011). In One's Right (or Left) Mind: What Lexicality Reveals About Hemispheric Processing Asymmetries. Poster presented at the Annual Meeting of the Psychonomic Society. Seattle, Washington. November 2011.
- *Eikenberry, G., Mehta, Z., & **Azuma, T.** (2012). Are Auditory-Evoked Potentials Useful for Diagnosing (C)APD in Children? Poster presentation accepted for the 2012 convention of the American Speech Language-Hearing Association, Atlanta, GA.
- *Ratui, I., & **Azuma, T.** (2012). Working Memory Capacity: Is There a Bilingual Advantage? Poster presented at the Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota. November 2012.
- *Tat, M., & **Azuma, T.** (2012). What Forgetting Tells Us About Remembering: Hemispheric Differences in Memory Retrieval. Poster presented at the Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota. November 2012.
- *DiStefano, B. Mehta, Z., **Azuma, T.** & Eikenberry, G. (2013). Involvement of the Lower Brainstem in Auditory Processing Disorders. Poster to be presented at American Academy of Audiology's annual meeting, Anaheim, CA.
- *DiStefano, B. Mehta, Z., **Azuma, T.** & Eikenberry, G. (2013). Children with Suspected (C)APD and Gaps-in-Noise Test Performance. Poster to be presented at American Academy of Audiology's annual meeting, Anaheim, CA.
- *Ratui, I., & **Azuma, T.** (2013). Reading libro but Remembering book: Bilingual Language and Memory Processing in a Cross-Language Levels-of-Processing Task. Poster presented at the Annual Meeting of the Psychonomic Society. Toronto, Canada. November 2013.

Major Research Presentations

- *Ratiu, I., Hout, M. C., **Azuma, T.**, & Goldinger, S. D. (2013). The bilingual advantage investigated using visual search. Poster presented at the 21st annual Object Perception, Attention and Memory Conference: Toronto, Canada. November, 2013.
- *Tat, M., & **Azuma, T.** (2013). Visual and Verbal Cognitive Loads Influence Hemispheric True (but not False) Memories. Poster presented at the Annual Meeting of the Psychonomic Society. Toronto, Canada. November 2013.
- Mehta, Z., Eikenberry, G., DiStefano, S., **Azuma T.** (2014) (C)APD: what works and what does not. Poster presented at: AudiologyNOW! American Academy of Audiology Annual Meeting; March 26-29, 2014; Orlando, FL.
- *Ratiu, I., Hout, M. C., Walenchok, S. **Azuma, T.**, & Goldinger, S. D. (2014). The bilingual advantage investigated using visual search. Poster presented at the 21st annual Object Perception, Attention and Memory Conference: Long Beach, CA. November, 2014.
- *Ratiu, I. & **Azuma, T.** (2014). Symmetry and Asymmetry: Working Memory and Language Proficiency in Bilinguals. Poster presented at the Annual Meeting of the Psychonomic Society. Long Beach, California. November 2014.
- *Baker, S., & **Azuma, T.** (2014). The Update on Updating Tasks: The Effects of Working Memory and Note-Taking on Lecture Test Performance. Poster presented at the Annual Meeting of the Psychonomic Society. Long Beach, California. November 2014.
- *Pittenger, K., **Azuma, T.**, & Ingram, K. (2014). Memory Performance in Military Veteran & Non-Veteran College Students: Preliminary Results. Poster presented at the Annual American Speech-Language-Hearing Association Convention. Orlando, Florida. November 2014.
****Awarded 2014 ASHA Meritorious Poster Submission****
- *Ratiu, I. & **Azuma, T.** (2015). Executive Function & Language Control in Bilinguals With mTBI. Presentation at the Annual American Speech-Language-Hearing Association Convention. Denver, Colorado. November 2015.
- *Gallagher, K., **Azuma, T.**, & Ingram, K. (2015). Military Veteran Students With mTBI: Does Symptom Self-Report Predict Their Academic Success? Poster presented at the Annual American Speech-Language-Hearing Association Convention. Denver, Colorado. November 2015.
- *Gallagher, K., **Azuma, T.**, & Ingram, K. (2015). Military Culture & Clinical Challenges: The Assessment of Military Veterans With Mild Traumatic Brain Injury. Presentation at the Annual American Speech-Language-Hearing Association Convention. Denver, Colorado. November 2015.
- *Gallagher, K. & **Azuma, T.** (2016). Analysis of Story Recall in Military Veterans with and without mTBI: Preliminary Results. Presentation at the Clinical Aphasiology Conference. Charlottesville, VA. May 2016.
- *Gallagher, K. & **Azuma, T.** (2016). Memory & mTBI: Narrative Recall in Veterans with Mild Traumatic Brain Injury. Presentation given at the Annual American Speech-Language-Hearing Association Convention.

Philadelphia, PA. November 2016.

*Ratiu, I, & **Azuma, T.** (2016). Bilingual Recognition Memory and Confidence Judgments in a Cross-Language Levels-of-Processing Task. Poster presented at the Annual Meeting of the Psychonomic Society. Boston, MA. November 2016.

Azuma, T., & *Gallagher, K. (2017). Self-Report of Cognitive and Anxiety Symptoms in Military Veterans and Non-Veterans with and without Mild Traumatic Brain Injury. Presentation at the International Communication Disorders Conference. Orange, CA. January 2017.

Invited Presentations

Azuma, T. (January 2016). Arizona State University – Barrow Neurological Institute Neuroscience Research Symposium. “Understanding Memory Deficits in Special Populations.” Phoenix, Arizona.

Azuma, T. (March 2016). ASU Origins of Pattern Processing Workshop. “Thought Interrupted: Higher Order Cognition and the Damaged Brain.” Tempe, Arizona.

Other Scholarly Work

Azuma, T. (1997). Learning and memory: Remembering what's been learned. ASHA Continuing Education Tape. Tucson: Canyonlands Publishing, Inc.

Teaching and Mentoring

Teaching Awards

Honored at *The Fifteenth Annual Tribute to Arizona State University Faculty and Academic Professionals*. November 2004.

Nominated for *ASU Professor of the Year 2008*. Arizona State Parents Association. May 2008.

Nominated for *ASU Professor of the Year 2009*. Arizona State Parents Association. May 2009.

Nominated for *ASU College of Liberal Arts and Sciences Zebulon Pearce Distinguished Teaching Award*. Academic Year 2008-2009, 2009-2010, 2010-2011.

Awarded *ASU College of Liberal Arts and Sciences Zebulon Pearce Distinguished Teaching Award*. Academic Year 2011-2012. Award amount: \$5000.

Nominated for *ASU College of Liberal Arts and Sciences Zebulon Pearce Distinguished Teaching Award*. Academic Year 2012-2013. (Final year of eligibility)

Nominated for *ASU Faculty Women’s Association Outstanding Mentor 2015*.

Arizona State University Provost Teaching Fellow (awarded 2015-2016; 2016-2017)

Graduate Student Mentoring - Chair**Master's Level**

Laurie Baker (Co-Chair, Master's degree awarded 2000)
 Juliet Davie (Master's degree awarded 2002)
 Yu-kyong Choe (Master's degree awarded 2003)
 Ileana Ratiu (Master's degree awarded 2009)
 Megan Peterson (Master's thesis awarded 2013)
 Brittany Becvar (Master's thesis to be awarded 2017)

Doctoral Level

Juliet Davie (Ph.D. candidate: Fall 2002-Summer 2007)
 Yu-kyong Choe (Co-Chair, Ph.D. awarded Summer 2008)
Current position: Associate Professor at University of Massachusetts, Amherst

M.J. Tat (Ph.D. awarded summer 2013)
*Current position: Post-doctoral Fellow, Center For Translational Cognitive Neuroscience
 VA Boston Healthcare System*

Ileana Ratiu, M.S. (Ph.D. awarded December 2015)
Current position: Assistant Professor, Midwestern University

Karen Gallagher, M.S. (Current Ph.D. candidate; ABD; 4th year)
 Shauna Baker, M.S. (Current Ph.D. candidate; ABD; 4th year)
 Halah Alateeq (Current Ph.D. candidate; 1st year)

Doctoral Level – Dissertation Examiner

Maryam Ghaleh University of Canterbury, NZ Spring 2015

NIH-PREP Scholars

Jenel Murray (Mentor, NIH-PREP scholar, 2010-2011)

Graduate Student Mentoring – Committee Member

Stephanie Nixon (Master's degree awarded 1999)
 Jeannine Bailey (Master's degree awarded 2000) - Psychology
 Wylanta Jones (Master's degree awarded 2001)
 Breetta Garland (Master's degree awarded 2002)
 Yi He (Master's degree awarded 2006)
 Whitney Hansen (Master's degree awarded 2007) - Psychology
 Ashley Levy (Master's degree awarded 2008)
 Michael Hout (Master's degree awarded 2009) – Psychology
 Anthony Barnhart (Master's degree awarded 2009) – Psychology
 Rene Utianski (Master's degree awarded 2010)
 Rebecca Norton (Master's degree awarded 2012)
 Cynthia Hensley (Master's degree awarded 2013)
 Stephen Walenchok (Master's degree awarded 2014) – Psychology
 Christine Delfino (Master's degree awarded 2015)
 Cimmaron Ludwig (Master's degree awarded 2015)

Greta Eikenberry (AuD research project 2012)
Sara DiStefano (AuD research project 2013)

Graduate Student Mentoring – Committee Member

Esther Kim (Ph.D. awarded 2006) – University of Arizona
Patricia McCarthy (Ph.D. awarded May 2009)
Teresa Cardon (Ph.D. committee, Spring 2010)
Whitney Hansen (Ph.D. committee, Spring 2011) – Psychology
Kaitlyn Lansford (Ph.D. committee, Fall 2011)
Shixiong Chen (Ph.D. committee, Spring 2012)
Louise Loiselle (Ph.D. committee, Spring 2013)
Michael Hout (Ph.D. committee, Summer 2013) - Psychology
Kate Helms Tillery (Ph.D. committee, Spring 2015)
Hui-Chun Yang (Ph.D. committee, Summer 2015)

Undergraduate Honors Theses (ASU Barrett Honors College)

Chair: Erica Brooks (Honors thesis completed May, 2002)
Thesis title: Information in Working Memory Can Cause Recognition Errors

Ann Hickox (Honors thesis completed May, 2006)
Thesis title: Who Said That? Investigating Effects of Language and Familiarity on Speaker Recognition.

Emily Padilla (Honors thesis completed May, 2011)
Thesis Title: Changing Your Mind: The Effect of Attentional Demands on Change Blindness in Reading

Elizabeth Hsiung (Honors thesis completed May, 2011)
Thesis Title: Simulating Autism-type Deficits in a Reading Comprehension Task

Kelly Allen (Honors thesis completed May, 2016)
Thesis Title: Memory and Related Processes in Military Veteran Students

Committee: Christine Lippman (Honors thesis completed Spring 2001, Psychology)
Leah Carter (Honors thesis completed Spring 2008)
Brittany Garcia (Honors thesis completed Spring 2012)
Chloe Kolaz (Honors thesis completed Fall 2013)
Garrett McCann (Honors thesis completed Fall 2014)
Erica Corvasce (Honors thesis completed Spring 2015)
Nancy Flores (Honors thesis completed Spring 2016)
Soren Mickelsen (Honors thesis completed Spring 2016)

Undergraduate Research Projects

(Note: All projects were presented at formal poster sessions. Served as Chair unless otherwise noted.)

Emily Solchenberger – School of Life Sciences Undergraduate Researcher
SOLUR Poster presented in April 2008, SHS poster presented May 2008
Title: (Mis)Remembering What You Heard: How Working Memory Affects Source Memory

Undergraduate Research Projects

Emily Wirth – School of Life Sciences Undergraduate Researcher

SOLUR Poster presented in April 2008, SHS poster presented May 2008

Title: A One-Way Mirror: The Effects of Word Frequency and Working Memory Span in a Controlled Suppression Task

Andrea Graffa – SHS Undergraduate Seminar Researcher

Poster presented in May 2008 at the SHS Research Symposium

Title: Learning to Play by the Rules: Two Studies of Cognitive Flexibility

Courtney Nakata – SHS Undergraduate Seminar Researcher

Poster presented in May 2009 at the SHS Research Symposium

Title: Where Familiarity and Bias Lead, Errors are Sure to Follow: Implicit and Explicit Processes Guide Source Memory Judgments

Elizabeth Worcester - SHS Undergraduate Seminar Researcher

Poster presented in May 2009 at the SHS Research Symposium

Title: Distraction and Dual-Tasking: The Effect of Attentional Demands on the Processing of Explicit and Inferred Information

Heather Beauvais - SHS Undergraduate Seminar Researcher

Poster presented in May 2011 at the SHS Research Symposium

Title: The Effect of Feedback on Monitoring and Complex Task Performance

Alexandra Markovich (co-mentored with Mike Tat, PhD student)

SHS Undergraduate Seminar Researcher

Poster presented in May 2012 at the SHS Research Symposium

Title: Remembering What's Right (or Left): Visual and Verbal Memory in the Cerebral Hemispheres

Melanie Howarth - SHS Undergraduate Seminar Researcher

Poster presented in May 2013 at the SHS Research Symposium

Title: The Effect of Presentation Styles on Learning

Cassandra Elias – Advanced Research Experience Seminar Student

Poster presented in May 2015 at the SHS Research Symposium

Title: Self-Report of Deficits and Complex Working Memory Span in Military Veterans

Kelly Allen– Advanced Research Experience Seminar Student

Poster presented in May 2015 at the SHS Research Symposium

Title: The Effect of Auditory Distraction on Verbal Memory in Military Veterans with and without mTBI

Vianeth Santiago (co-mentored with Ileana Ratiu, PhD Student)

Advanced Research Experience Seminar Student

Poster presented in May 2015 at the SHS Research Symposium

Title: Cross-language Naming Performance in Spanish-English Bilinguals

Setarae Banihashemi (co-mentored with Ileana Ratiu, PhD student)

Advanced Research Experience Seminar Student

Poster presented in May 2015 at the SHS Research Symposium

Title: Turning “perro” into “pup”: What Cross-Language Errors Tell Us about Bilingual Executive Function

Teaching/Mentoring Positions (in addition to classroom teaching)

Coordinator of the *Advanced Research Experience Seminar in Speech and Hearing Science* - Fall 2014 to present

In this seminar, undergraduate students apply to work in a faculty research lab in the ASU Department of Speech & Hearing Science. Over the course of two semesters, they complete a project and present the results in a formal poster symposium held at the end of the Spring semester.

ASU Barrett Honors College, Departmental Faculty Advisor

As the Barrett Honors College Departmental Faculty Advisor, I meet and advise all current Honors students who are majoring in Speech and Hearing Science.

Teaching Interests

Psycholinguistics, Cognitive Psychology, Cognitive Neuropsychology, Memory, Research Methods

Teaching Experience

SHS 367/598: Language Science (taught Spring 1999 through current year)

This course covers the major areas of language research and theory. The diverse topics include basic linguistic principles, memory and language, the organization of internal knowledge, speech, reading, discourse processing, and neurolinguistics.

SHS 394/350: Brain, Memory, and Language (taught Fall 2002 through current year)

This course covers basic brain functions and their relation to memory and language processing. We examine the impact of brain damage and resulting disorders, such as amnesia, dyslexia, and aphasia. The relationship between cognition and the brain are explored by studying neuro-imaging techniques, case studies, and illuminating research.

SHS 790: Doctoral Proseminar (ongoing)

Topics covered include: Critical Thinking/Research Project Development; Effective Course Development, Teaching, and Mentoring; Research Project Development (Writing and Presentations)

SHS 791: ST: Critical Thinking in Research and Theory (taught Spring 2007)

SHS 485: Acquired Speech and Language Disorders (taught Spring 2001)

This course covers a range of language disorders resulting from stroke, TBI, disease, and other brain disorders. The nature of speech and language impairment and treatment approaches are discussed.

SHS 500: Research Methods in Speech and Hearing Science (taught 2002-2004; Spring 2009; Fall 2014 through current year)

This graduate level course covers the essential aspects of scientific study, including proper methods, research design, statistics, theoretical development, and hypothesis

testing. The class also includes interpretation of statistical tests, including ANOVA and multiple regression, and ethics in human research.

SHS 580: Right Hemisphere, Traumatic Brain Injury, and Dementia (taught Spring 2001)

This course covers the impact of TBI, dementia, and RH damage on cognitive and communicative functions. Compensatory strategies and therapies emphasizing intact abilities are discussed and evaluated.

SHS 591: Cognitive Interactions with Linguistic Functions (taught Fall 2000-2001)

This course covers current theories and research in cognition, including working memory, long-term memory, attention, visuo-spatial skills, and pattern recognition. The interactions of these processes and language are highlighted.

SHS 598: The Psychology of Language (taught Spring 1999)

This course covers advanced topics in psycholinguistics. Discussion areas include: dyslexia, models of and basic research in word perception, and visual and spoken language processing.

Additional Courses

Classes taught during my Visiting Assistant Professorship (Fall 1997 – Spring 1998) in the ASU Department of Psychology:

PSY 324: Memory & Cognition (2 sections)
PSY 290: Research Methods (2 sections)

Community Service Presentations

Learning, Memory, and Teaching. An inservice teaching presentation at Archway Classical Academy, Chandler, Arizona. January 2012.

Academic Service

Professional Memberships

The Psychonomic Society. Membership: Fellow
American Speech-Language-Hearing Association: Member

University Committees

University General Studies Council (2015 - 2017)
University Graduate Studies Council (2016 – 2018)
ASU Provost Teaching Academy (2015-2017)
ASU University Senator for the Department of Speech and Hearing Science (2012-2015)

College of Health Solutions Committees

Non-tenure Eligible Faculty Personnel Committee for CHS (2014-2015)
College of Health Solutions Teaching Task Force (2015-2016)

Current Department Service

Personnel, Policy, and Budget Committee (Chair)
Ph.D. Admissions and Policy Committee (Chair for 2015-2016 year)
Curriculum Committee (2015-2016)
Promotion, Tenure, and Faculty Review Committee (Member)

Previous Department Service

Departmental Curriculum Committee (member)

Master's SLP Program Policy and Admissions Committee (Member)