

## CURRICULUM VITA

### PERSONAL INFORMATION

Elizabeth Madeline Zelinski  
604 West Kenneth Road  
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Leonard Davis School of Gerontology  
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University of Southern California  
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### EDUCATION

Pace University, New York, New York, 1970-1973  
B. A. Summa cum Laude (psychology), 1973

University of Southern California, Los Angeles, California, 1973-1979  
A. M. (psychology; aging), 1976  
Ph.D. (psychology; aging), 1979

### POSITIONS

#### *Administrative*

William and Sylvia Kugel Dean's Chair, 2004-2006  
Dean, Leonard Davis School of Gerontology, University of Southern California, 2004-2006  
Associate Dean for Academic Affairs, Leonard Davis School of Gerontology, 2003-2004  
Director, Leonard Davis School of Gerontology, University of Southern California, 2001-2004  
Deputy Director, Leonard Davis School of Gerontology, University of Southern California, 2000-2001

#### *Faculty*

Assistant, Associate, Full Professor of Gerontology and Psychology, Leonard Davis School of Gerontology, University of Southern California, 1982-present  
Senior Lecturer, Leonard Davis School of Gerontology, University of Southern California, 1980-1982  
Lecturer, Department of Psychology, Claremont Graduate School, Claremont, California, 1979-1980  
Lecturer, Department of Psychology, University of Southern California, 1978-1980  
Postdoctoral Fellow, Pitzer College, Claremont, California, 1978-1981

## **Honors**

President, Division 20 (Adult Development and Aging), American Psychological Association: President Elect, 2007, President, 2008, Past President, 2009  
Rita and Edward Polusky Chair in Education and Aging, 2004-present  
Honorary Member, USC Golden Key Honor Society, 2006

### *Teaching awards*

USC Mortar Board Faculty Member of the Month, September 2000  
Gerontology faculty teaching award, 1998  
USC Gerontology Associates teaching award, 1985

### *Courses Taught*

Gerontology: The Science of Adult Development (undergraduate)  
Psychology of Adult Development and Aging (graduate & undergraduate)  
Seminar in Cognition and Aging (graduate & undergraduate)  
Women and Aging (graduate & undergraduate)  
Research Methods in Gerontology and the Social Sciences (graduate)  
Program Evaluation (graduate)  
Integrating Gerontology: An Interdisciplinary Perspective (graduate)  
Cognitive Neuroscience of Aging (graduate)  
Gerontechnology (graduate)

### *Current Research Interests*

Cognitive interventions, Language ability, working memory capacity, retrieval of information from memory, self-assessment of "everyday" remembering in younger and older adults, longitudinal methods, applications of IRT scaling to cognitive measurement

## **GRANT AWARDS**

### CURRENT PROJECTS AS PI

Project Director, Project 1: *The course of cognitive change in late adulthood*. Alzheimer Disease Research Center, Helena Chui, Program Director. 2010- 2015 (P50 AG005142). Direct cost funds awarded: \$500,000.

### CURRENT PROJECTS as CO-INVESTIGATOR

*Environmental effects on cognition in older adults*, R01AG033078 . 2011-2014, National Institute on Aging, JC Chen, Principal Investigator.

Hypertension, Renin Angiotensin System, and the Pharmacogenetics of Cognition, R01 AG039587. 2013-2018, National Institute on Aging, Ihab Hajjar, Principal Investigator.

Co-Investigator, Integrative Analysis of Longitudinal Studies of Aging (IALSA) and Healthy Aging across the Lifecourse (HALCyon) research networks. (P50, National Institute on Aging), 2013-2018. Scott Hofer, University of Victoria, Principal Investigator.

## INTERNAL USC FUNDING FOR STUDENTS (PI)

Principal Investigator, Undergraduate Fellowships. \$3300 to support undergraduate research (Kristyn Bojorquez, Patrick Shay), April 2010.

Principal Investigator, Undergraduate Fellowships. \$9000 to support undergraduate research (Patrick Shay, Larry ), April 2011.

Principal Investigator, Summer Undergraduate Fellowships. \$3000 to support undergraduate research (Joanna Marantidis, Erin Lee), May 2011.

Principal Investigator, Fall Undergraduate Fellowships. \$2000 to support undergraduate research (Joanna Marantidis, Erin Lee), August 2011.

## COMPLETED

Agency: American Federation for Aging Research  
Principal Investigator, *Validation of a test assessing self\_perceptions of memory in the elderly*, 1986. Funds awarded: \$20,079.

Agency: National Institute on Aging  
Principal Investigator, Individual Postdoctoral Fellowship NRSA Grant Award, 1978-1981 (F32 AG5140). Funds awarded: \$43,500.

Principal Investigator, *Adult age differences in online reading comprehension*, 1983-1990 (R01 AGO4114). Total direct cost funds awarded: \$330,701.

Principal Investigator, *Longitudinal assessment of cognition in adults*. 1993-2005 (R01 AG10569). Total direct cost funds awarded: \$ 1.9M.

Principal Investigator, *Disease, Aging, and Cognition* 1996 - 1998 (R03 AG14209). Total direct cost funds awarded: \$49,993.

Agency: Posit Science Corporation  
Principal Investigator, Clinical trial of a cognitive intervention in older adults, 2006-2008. Contract funds awarded: \$200,000.

Agency: University of Southern California  
Principal Investigator, *Executive Functioning Training in Older Adults*, Social Sciences and Humanities Grant Program, 2007-2008. Funds awarded: \$25,000.

Principal Investigator, *Longitudinal assessment of cognition in adults*. 2007-2013 (R01 AG10569). Total direct cost funds awarded: \$ 2.2M.

Pilot principal investigator, Collection of Biomarkers from Participants in the Long Beach Longitudinal Study (LBLS) for Crimmins & Seeman, PIs, *USC-UCLA Biodemography of Aging Center* . July 1, 2010-June 30, 2012. Direct costs: \$25,000.

Executive Committee, *Rehabilitation Engineering Research Center, Optimizing participation through technology for successful aging with a disability*, National Institute on Disability and Rehabilitation Research (Department of Education), H133E080024, 2008-2013. Carolee Winstein, Principal Investigator.

## **PROFESSIONAL SOCIETIES**

Fellow, American Psychological Association, Division 20 (Adult Development and Aging), Division 3, (Experimental Psychology)  
Fellow, Gerontological Society of America  
Member, American Psychological Society  
Member, Psychonomic Society  
Member, International Society for Objective Measurement  
Member, Society for Applied Research in Cognition  
Member, ISTAART, Technology Special Interest Group

## **SERVICE**

### ***Service To Profession***

#### *Research Reviewing*

#### *Grant Proposals*

Member, NIA HUD-2 Study Section 1997-1999  
Member, NIH BBBP-4 Study Section, 1999-2000  
Ad hoc Reviewer, NSF Academic Research Infrastructure Program, NSF Behavioral Sciences Research Program, 2001  
Special Emphasis Review Panel, NIA Social and Behavioral Sciences Research Program, 1996, 1997, 1999, 2004, 2006, 2007, 2008, 2009, 2010 (training grants, R03s, R01s, U01s, fellowships).  
Special Emphasis Review Panel, NINCDS, 2002  
Special Emphasis Review Panel (Program Project), NIA Neurosciences Program, 2003  
Member, NIA-S Study Section, 2010-2014

Ad hoc Reviewer, NIA HUD-2 Study Section, 1996  
Ad hoc Reviewer, Social Sciences Research Council, Canada, 2001  
Ad hoc Reviewer, Economic and Social Research Council, Great Britain, 2002  
Ad hoc Reviewer, Austrian Science Fund, 2005  
Ad hoc Reviewer, Swiss National Science Foundation, 2012

#### *National Meeting Program Committees*

*American Psychological Association, Division 20 (Adult Development and Aging)*  
Chair, Program Committee, 2005 meeting

Member, Program committee, 1981, 1984, 1991, 2003  
Member, Student award committee, 1996

*Gerontological Society of America*  
Member, Program committee, 1983

### *Journals*

Editorial board, 1984-1986, *Developmental Psychology*  
Editorial board, 1986-1987, 1996 – 1999, 2009-2012 *Journal of Gerontology: Psychological Sciences*  
Editorial board, 1989-1992, 1997- 2007 *Psychology and Aging*

Reviewer, *Aging, Neuropsychology and Cognition*  
Reviewer, *BMC Medical Research Methodology*  
Reviewer, *Developmental Psychology*  
Reviewer, *European Archives of Psychiatry and Clinical Neuroscience*  
Reviewer, *European Journal of Cognitive Psychology*  
Reviewer, *Experimental Aging Research*  
Reviewer, *Gerontologist*  
Reviewer, *International Journal of Aging and Human Development*  
Reviewer, *Journal of the American Geriatrics Association*  
Reviewer, *Journal of General Internal Medicine*  
Reviewer, *Journal of Gerontology: Medical Sciences*  
Reviewer, *Journal of Gerontology: Social Sciences*  
Reviewer, *Journal of Gerontology: Psychological Sciences*  
Reviewer, *Memory*  
Reviewer, *Memory & Cognition*  
Reviewer, *Psychological Bulletin*  
Reviewer, *Psychological Science*  
Reviewer, *Research in Aging*  
Reviewer, *Social Science and Medicine*

### *Books*

Book reviewer, *Contemporary Psychology*  
Book reviewer, Wadsworth Press, Free Press, Sage Publications

### *Other*

Academic Advisor, National Advisory Committee for the development of telecourses for Orange Coast Community College District, 2000-01  
Scientific consultant for media, Golin Harris, for Nintendo *Brain Age* game, 2006  
Scientific Collaborator, Posit Science Corporation, 2007-2010  
External Reviewer for evaluation of University of Kansas PhD in gerontology program, 2008.  
Consultant, Louisiana State University, on gerontology research and teaching programs, 2009.  
Invited member, Cognitive Aging Summit Conference, Stanford University, April 2008  
Invited member, Cognitive Exercise Workgroup, Alzheimer's Association, 2008-2010

### ***Service to University (2000-present)***

Chair, University Diversity Requirement Committee, 2000  
Vice Provost's Committee on TA Policy, 2000  
Member, Faculty Senate Committee on Promotion and Tenure Policy, 2002  
Member, GPSC, 2003  
Member, Deans of Faculty Council, 2000-2004  
Member, Provosts Council, 2004-2006  
Member, Advisory Committee for the Center for Human Studies, Keck School of Medicine  
Clinical and Translational Science Institute, 2007-2009

### ***Service to School of Gerontology (2000-present)***

#### *Faculty Evaluation/Searches*

Member, Search committee for health economist, 2002  
Member, Search committee for biodemography of aging positions, 2002-2003  
Mara Mather promotion committee, chair

#### *Governance*

Past President, Faculty Council, 1999-2001

#### *Curriculum*

Chair, School Curriculum Committee, 1994-2006

#### *Research*

Member, Alzheimer Disease Research Center research committee, 2003

#### *Student Evaluation*

Member, PhD Methods qualifying examination committee, 1993-2004

#### *Environment*

Member, Space committee 1999- 2003

#### *Development*

Semiannual Board of Councilors meetings, Annual leadership weekend retreat, Annual holiday party, Annual State of the Center scholarship presentations, 1999-2007, 2012

#### *Student Activities Support*

Faculty Advisor, Student Gerontology Association 2001-2004, 2006  
Emcee, Student-Alumni Dinner 2001-2006

## **PUBLICATIONS**

### *Refereed Publications*

**Zelinski, E. M.**, Walsh, D. A., & Thompson, L. W. (1978). Orienting task effects on EDR and free recall in three age groups. *Journal of Gerontology*, 33, 239\_245. PMID: 627707

- McGarvey, W., Gallagher, D., Thompson, L. W., & **Zelinski, E.** (1982). Reliability and factor structure of the Zung Self-rating Depression Scale in three age groups. *Essence: The Journal of the Canadian Society for Gerontology*, 5, 141\_152.
- Light, L. L., **Zelinski, E. M.**, & Moore, M. G.(1982). Adult age differences in inferential reasoning from new information. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 8, 435\_447.
- Light, L. L., & **Zelinski, E. M.** (1983). Memory for spatial information in young and old adults. *Developmental Psychology*, 19, 901\_906.
- Zelinski, E. M.**, Light, L. L., & Gilewski, M. J. (1984). Adult age differences in memory for prose: The question of sensitivity to passage structure. *Developmental Psychology*, 20, 1181\_1192.
- Zelinski, E. M.**, & Light, L. L. (1988). Young and older adults' use of context in spatial memory.. *Psychology and Aging*, 3, 99-101. *PMID: 3268248*
- Zelinski, E. M.**, & Miura, S. A. (1988). Effects of thematic information on script memory in young and older adults. *Psychology and Aging*, 3, 292-299. *PMID: 3268272*
- Zelinski, E. M.**, & Gilewski, M. J. (1988). Assessment of memory complaints by questionnaires and rating scales. *Psychopharmacology Bulletin*, 24, 523-529. *PMID: 3074313*
- Gilewski, M. J., & **Zelinski, E. M.** (1988). The Memory Functioning Questionnaire. *Psychopharmacology Bulletin*, 24, 665-670. *PMID: 324976*
- Zelinski, E. M.**, Gilewski, M. J., & Anthony-Bergstone, C. R. (1990). Memory Functioning Questionnaire: Concurrent validity with memory performance and self-reported memory failures. *Psychology and Aging*, 5, 388-399. *PMID: 2242243*
- Zelinski, E. M.**, & Miura, S. A. (1990). Anaphor comprehension in young and older adults. *International Journal of Aging and Human Development*, 31, 111-134. *PMID: 2258237*
- Gilewski, M. J., **Zelinski, E. M.**, and Schaie, K. W. (1990). The Memory Functioning Questionnaire for assessment of memory complaints in adulthood and old age. *Psychology and Aging*, 5, 482-490. *PMID: 2278670*
- Olin, J. T., & **Zelinski, E. M.** (1991). Twelve month reliability of the Mini-Mental State Examination. *Psychological Assessment: A Journal of Consulting and Clinical*

*Psychology*, 3, 427-432.

**Zelinski, E. M.**, Gilewski, M. J., & Schaie, K. W. (1993) Individual differences in cross-sectional and three-year longitudinal memory performance across the adult lifespan. *Psychology and Aging*, 8, 176-186. *PMID: 8323722*

**Zelinski, E. M.**, & Hyde, J. C. (1996). Old words, new meanings: Aging and sense creation. *Journal of Memory and Language*, 35, 689-707.

Olin, J., T., & **Zelinski, E. M.** (1997). Adult age differences in metacomprehension accuracy. *Educational Gerontology*, 23, 67-77.

**Zelinski, E. M.**, & Burnight, K. P. (1997) Sixteen-year longitudinal and time-lag changes in memory and cognition in older adults. *Psychology and Aging*, 12, 503-523. *PMID: 9308097*

Fox, L., Knight, B., & **Zelinski, E. M.** (1998). Mood induction in the elderly: A new tool for investigating age differences. *Psychology and Aging*, 13, 519-523. *PMID: 9793125*

**Zelinski, E. M.**, Crimmins, E., Reynolds, S., & Seeman, T. (1998) Do medical conditions affect cognition in older adults? Results from two studies. *Health Psychology*, 17, 504-512. *PMID: 9848800*

**Zelinski, E. M.**, & Stewart, S. (1998). Individual differences in 16-year memory changes. *Psychology and Aging*, 13, 622-630. *PMID: 9883462*

McGinnis, D., & **Zelinski, E. M.** (2000). Understanding unfamiliar words: The influence of processing resources, vocabulary knowledge, and age. *Psychology and Aging*, 15, 335\_350. *PMID: 10879587*

Stewart, S. T., **Zelinski, E. M.**, & Wallace, R. B. (2000) Age, medical conditions, and gender as interactive predictors of cognitive performance: The effects of selective survival. *Journal of Gerontology: Psychological Sciences*, 55B, P381-P383. *PMID: 11078108*

**Zelinski, E. M.**, & Kennison, R. F. (2001). The Long Beach Longitudinal Study: Evaluation of longitudinal effects of aging on memory and cognition. *Home Health Care Services Quarterly*, 19, 45-55. *PMID: 11436406*

**Zelinski, E. M.**, Burnight, K. P., & Lane, C. J. (2001) The relationship between subjective and objective memory in the oldest-old: Comparisons of findings from a representative and a convenience sample. *Journal of Aging and Health*, 13, 248-266. *PMID: 11787514*

Lane, C. J., & **Zelinski, E. M.** (2003). Longitudinal hierarchical linear models of the Memory Functioning Questionnaire. *Psychology and Aging, 18*, 38-53. PMID: 12641311

**Zelinski, E. M.**, & Gilewski, M. J. (2003). Effects of demographic and health variables on Rasch scaled cognitive scores. *Journal of Aging and Health, 15*, 435-464. PMID: 12914012

McGinnis, D., & **Zelinski, E. M.** (2003). Understanding unfamiliar words in young, young-old, and old-old adults: Inferential processing and the abstraction-deficit hypothesis. *Psychology and Aging, 18*, 497-509. PMID: 14518811

**Zelinski, E. M.**, & Lewis, K. L. (2003). Adult age differences in multiple cognitive functions: Differentiation, dedifferentiation or process-specific Change? *Psychology and Aging, 18*, 727-745. PMID: 14692860

**Zelinski, E. M.**, & Gilewski, M. J. (2004). A 10-Item Rasch Modeled Memory Self Efficacy Scale. *Aging and Mental Health, 8*, 293-306. PMID: 15370046

Finch, C. E., & **Zelinski, E. M.** (2005). Mechanisms in the normal aging of brain structure and cognition: Evolutionary and ecological perspectives. *Research in Human Development, 2*, 69-82.

Kennison, R. F., & **Zelinski, E. M.** (2005). Estimating Age Change in 7-Year List Recall in AHEAD: The Roles of Independent Predictors of Missingness and Dropout. *Psychology and Aging, 20*, 460-475. PMID: 16248705

Haley, W. E., & **Zelinski, E. M.** (2007). Progress and challenges in graduate education in gerontology: The US Experience. *Gerontology and Geriatrics Education. PMID: 17347108*

McGinnis, D., Goss, R. J., Tesemer, C., & **Zelinski, E. M.** (2007). Inference Generation in Young, Young-old, and Old-old Adults: Evidence for Semantic Architecture Stability *Applied Cognitive Psychology.*

**Zelinski, E. M.**, & Kennison, R. F. (2007). Not your father's test scores: Cohort reduces psychometric aging effects. *Psychology and Aging, 22*, 546-557 PMID: 17874953

**Zelinski, E. M.**, Housen, P., Yaffe, K., Ruff, R., Kennison, R., Mahncke, H., & Smith, G. E. (2008, June). Who benefits from computer training of cognitive abilities? *Proceedings*

*of the International Society for Gerontechnology Meeting.*

- Parsons, T. D., Rizzo, A. A., Brennan, J., Silva, T., & **Zelinski, E. M.** (2008, June). Assessment of executive functioning using virtual reality: Virtual Environment Grocery Store. *Proceedings of the International Society for Gerontechnology Meeting.*
- Smith, G. E., Housen, P., Yaffe, K., Ruff, R., Kennison, R. F., Mahncke, H. W., & **Zelinski, E. M.** (2009). A cognitive training program based on principles of brain plasticity: Results from the Improvement in Memory with Plasticity-based Adaptive Cognitive Training (IMPACT) study. *Journal of the American Geriatrics Society, 57*, 594-603. *PMID:19220558*
- Zelinski, E. M.** (2009). Far Transfer in cognitive training in older adults. *Restorative Neurology and Neuroscience, 27*, 455-471. *PMID:19847070*
- Zelinski, E. M., & Reyes, R.** (2009). Cognitive benefits of computer games for older adults. *Gerontechnology, 8*, 220-235.
- Lewis, K. L., & **Zelinski, E. M.** (2010). List and text recall differ in their predictors: Replication over samples and time. *Journal of Gerontology: Psychological Sciences, 65B*, 449-458. *PMID:20498454*
- Zelinski, E. M., Spina, L. M., Yaffe, K., Ruff, R., Kennison, R. F., Mahncke, H. W., & Smith, G. E.** (2011). Improvement in Memory with Plasticity-based Adaptive Cognitive Training (IMPACT): Results of the 3-Month Follow-up. *Journal of the American Geriatrics Society, 59*, 258-265. *PMID: 21314646*
- Zelinski, E. M., Dalton, S. E., & Hindin, S.** (2011). Cognitive changes in healthy older adults. *Generations, 35*, 13-20.
- Hindin, S., & **Zelinski, E. M.** (2012). Extended practice and aerobic exercise interventions benefit untrained cognitive outcomes in older adults: A meta-analysis. *Journal of the American Geriatrics Society, 60*, 136-141. *PMID: 22150209.*
- Zelinski, E. M.** (2012). Are strategies really necessary to improve memory? *Journal of Applied Research in Memory and Cognition, 1*, 56-57.
- Skinner, J., Carvalho, J., Potter, G., Thames, A., **Zelinski, E.**, Crane, P. K., & Gibbons, L. (2012) The Alzheimer Disease Assessment Scale-Cognitive-Plus (ADAS-Cog-Plus): An expansion of the ADAS-Cog to improve responsiveness and validity in MCI. *Brain Imaging and Behavior, 6*, 489-501. *PMID: 22614326.*
- Lindwall, M., Cimino, C. R., Gibbons, L. E., Mitchell, M. B., Benitez, A., Brown, C. L., Kennison, R. F., Shirk, S. D., Atri, A., Robitaille, A., MacDonald, S. W. S., **Zelinski, E. M.**, Willis, S. L., Schaie, K. W., Johansson, B., Dixon, R. A., Mungas, D. M., Hofer, S. M., & Piccinin, A. M., (2012). Dynamic associations of change in physical activity and change in

cognitive function: Coordinated and integrated analyses of four longitudinal studies. *Journal of Aging Research*, 2012:493598. PMID: 23029615.

Mitchell, M. B., Cimino, C. R., Benitez, A., Brown, C. L., Gibbons, L. E., Kennison, R. F., Shirk, S. D., Atri, A., Robitaille, A., MacDonald, S. W. S., **Zelinski, E. M.**, Willis, S. L., Schaie, K. W., Lindwall, M., Johansson, B., Dixon, R. A., Mungas, D. M., Hofer, S. M., & Piccinin, A. M. (2012). Cognitively stimulating activities: Effects on cognition across four studies with up to 21 years of longitudinal data. *Journal of Aging Research*, 2012: 461592. PMID: 23024862.

Brown, C. L., Gibbons, L. E., Kennison, R. F., Robitaille, A., Lindwall, M., Mitchell, M. B., Shirk, S. D., Atri, A., Cimino, C. R., Benitez, A., MacDonald, S. W. S., **Zelinski, E. M.**, Willis, S. L., Schaie, K. W., Johansson, B., Dixon, R. A., & Mungas, D. (2012). Social Activity and Cognitive Functioning Over Time. *Journal of Aging Research*, 2012: 287438. PMID: 22991665.

Winstein, C. J., Requejo, P. S., **Zelinski, E. M.**, Mulroy, S. J., & Crimmins, E. M. (2012). A Transformative Subfield in Rehabilitation Science at the Nexus of New Technologies, Aging, and Disability. *Frontiers in Movement Science and Sport Psychology*, 340. PMID: 23049517.

Wisnowski, J. L., Bluml, S., Paquette, L., **Zelinski, E.**, Nelson, M. D., Painter, M. J., Damasio, H., Gilles, F., & Panigrahy, A. (2013). *Altered glutamatergic metabolism associated with punctuate white matter lesions in preterm infants. PloS One.*(2013) 2:8, DOI: 10.1371/journal.pone.0056880

**Zelinski, E. M.** (in press). How interventions might improve cognition in healthy older adults. *International Journal of Gaming and Computer-Mediated Simulations*.

Chen, J. C., Younan, D., **Zelinski, E.**, & Finch, C. Ambient air pollution and neurodevelopment: A systematic review of epidemiologic studies in children. Under review.

Kennison, R. F., Petway, K., & **Zelinski, E. M.** Cohort, education and age effects in five cognitive measures of the Long Beach Longitudinal Study: An evaluation of the Flynn effect and cognitive reserve. Under review.

**Zelinski, E. M.**, Petway, K., Hindin, S., & Peters, K. (under review), Evaluating the Relationship between Change in Performance on Training Tasks and on Untrained Outcomes in the Improvement in Memory with Plasticity-based Adaptive Cognitive Training (IMPACT) study: A Multisite Double-Blind Randomized Controlled Trial in Older Adults.

#### *Chapters in Edited Books*

Schaie, K. W., & **Zelinski, E. M.** (1979). Psychometric assessment of dysfunction in learning and memory. In F. Hoffmeister & C. Muller (Eds.), *Brain function in old age: Evaluation of changes and disorders*. New York: Springer\_Verlag, Pp. 134\_150.

**Zelinski, E. M.**, Gilewski, M. J., & Thompson, L. W. (1980). Do laboratory tasks relate to self\_assessment of memory in the young and old? In L. W. Poon, J. L. Fozard, L. S.

- Cermak, D. Arenberg, & L. W. Thompson (Eds.), *New directions in memory and aging: Proceedings of the George Talland Memorial Conference* (pp. 519-544). Hillsdale, N. J.: Lawrence Erlbaum Associates.
- Gilewski, M. J. & **Zelinski, E. M.** (1986). Questionnaire assessment of memory complaints. In L. W. Poon, (Ed.), *The handbook of clinical memory assessment of older adults* (pp. 93-107). Washington DC: American Psychological Association.
- Zelinski, E. M.** Integrating information from discourse: Do older adults show deficits? (1988) In: L. L. Light & D. M. Burke, (Eds.), *Language and memory in old age* (pp. 117-132). Cambridge, England: Cambridge University Press.
- Zelinski, E. M.**, & Gilewski, M. J. (1988). Memory for prose and aging: A meta\_analysis. In M. L. Howe & C. Brainerd (Eds.), *Cognitive development in adulthood* (pp. 133-158). New York: Springer\_Verlag.
- Kempler, D., & **Zelinski, E. M.** (1994). Language function in dementia and normal aging. In: F. A. Huppert, C. Brayne, & D. O'Connor (Eds.), *Dementia and normal aging* (pp. 331-365). Cambridge, England: Cambridge University Press.
- Gilewski, M. J., & **Zelinski, E. M.** (1995). Bereavement in disability. In: A. E. Dell Orto & R. P. Marinelli (Eds.). *Encyclopedia of Rehabilitation and Disability* (pp. 443 - 448). New York: Macmillan Library Reference USA.
- Zelinski, E. M.**, & Kennison, R. (2005). Mood and memory changes with age. In M.-K. Sun (Ed.) *Cognition and mood interactions* (Pp. 161-183). New York: Nova Science Publishers.
- Zelinski, E. M.**, Kennison, R., F., Hall, A. W., & Lewis, K. L. (2009). Convergence between cross-sectional and longitudinal studies: Cohort matters. In C. Hertzog & Bosworth, H. (Eds.) *Cognition in Aging Methodologies and Applications: Festschrift for K. Warner Schaie* (Pp. 101-118). Washington, DC: American Psychological Association.
- Zelinski, E. M.**, Dalton, S. E., & Smith, G. E. (2011). Consumer-based brain fitness programs. In: A. Larue & P. Hartman-Stein, (Eds.). *Enhancing Cognitive Fitness in Adults: A Guide to the Use and Development of Community Programs* (Pp. 45-66). New York: Springer.
- Basak, C., & **Zelinski, E. M.** (2013). A hierarchical model of working memory and its change in healthy older adults. In T. Alloway, *Working Memory. The New Intelligence. Frontiers of Cognitive Psychology Series*, NY: Psychology Press.

#### *Other Publications*

- Schaie, K. W., & **Zelinski, E. M.** (1975). *Intellectual functioning and aging: A selected bibliography*. Office of Publications and Media Projects, Ethel Percy Andrus Gerontology Center, USC.
- Zelinski, E. M.** (1978). What's new about older learners? *Generations*, 3, 36\_39.

**Zelinski, E. M.** (1991). Aging and cognition : Has gerontological cognitive psychology come of age? *Contemporary Psychology*, 36, 772-773.

**Zelinski, E. M.**, Burnight, K. P., & Pratt, L. (1995). Longitudinal assessment of cognition in adults: A USC-FHP Research Study. *The FHP Journal of Clinical Research*, 5, 39-48.

*Expert Consensus on Brain Health. (2009) Stanford University and the Max Planck Institute for Developmental Psychology. On the expert panel convened to prepare this statement.*

## **PRESENTED PAPERS**

### *Invited Presentations since 2003*

Zelinski, E. M., Kennison, R., & Gilewski, M. (2003, September). *Long Beach Longitudinal Study*. Invited presentation at the Dynamic Processes of Ageing Conference, Canberra, Australia.

Kennison, R., & Zelinski, E. (2004, April). *Estimating age change in 7-year list recall in AHEAD: The case for multiple imputation and the importance of dropout effects*. Invited presentation, Cognitive Aging Conference, Atlanta.

Zelinski, E. (2005, January). Will Baby Boomers Be Better Rememberers? In C. Hertzog, , *Recent Developments in Research on Aging and Cognition*. Symposium presented at the annual meeting of the Society for Applied Research in Memory and Cognition of America, Wellington New Zealand.

Zelinski, E. (2005, May). Discussant, *Dimensions of Cognitive Aging*. Paper presented the "International Conference on The Future of Cognitive Aging Research" (ICFCAR), State College, PA.

Zelinski, E. (2005, September). *Population trends in cognitive ageing*. World Ageing and Generations Congress, St. Gallen, Switzerland.

Zelinski, E. M. (2007, June). *Some things that matter in understanding memory with changes with age*. In C. Hertzog & Bosworth, H. (organizers.) *Festschrift for K. Warner Schaie*. State College, PA: Pennsylvania State University.

Zelinski, E. M. (2008, April). *Brain plasticity in aging*. Overview Paper, Cognitive Aging Conference, Atlanta.

Zelinski, E. M. (2008, October). *Brain plasticity in aging: Measuring Transfer*. Keynote Address, Everyday Technologies for Alzheimer Care (ETAC) consortium meeting sponsored by the Alzheimer's Association and Intel Corporation, Portland, OR.

Zelinski, E. M., (2009, February). *Brain Plasticity: Cognitive and Memory Improvements in Older Adults*. USC Alzheimer Disease Research Center Community Education Conference.

Zelinski, E. M. (2009, March). *Memory training for older adults*. Louisiana State University, Baton Rouge, LA.

Zelinski, E. M. (2009, April). *Cognitive training principles and findings*. Washington University, St. Louis, MO.

Zelinski, E. M. (2009, August). *Hope for memory improvement in older adults*. Presidential address, American Psychological Association, Toronto, ON.

Zelinski, E. M. (2009, October). *Cognitive training in older adults: Transfer happens*. University of California, Los Angeles Psychology Department.

Zelinski, E. M. (2010, August). *Long Beach Longitudinal Study*. Friday Harbor Advanced

- Psychometrics Conference, Friday Harbor Laboratories, University of Washington.
- Zelinski, E. M. (2010, November). *The Review Process for NIH F30, F31, F32, and F33 proposals*. Special Lecture, Andrus Gerontology Center.
- Zelinski, E. M. (2010, December). *What Improves Cognition in Older Adults?* Invited colloquium, University of Southern California Multidisciplinary Training in Aging Lecture Series.
- Zelinski, E. M. (2011, March). *Brain training to improve cognition in healthy older adults*. Claremont Graduate University.
- Zelinski, E. M. (2011, April). *Upgrading cognition in healthy older adults, What's Hot in Aging Research?* University of Southern California.
- Gilewski, M. J., & Zelinski, E. M. (2012, February.) *Computerized cognitive rehabilitation: A case study. Some sustained benefit of cognitive rehabilitation for a man with anoxic brain injury*. Loma Linda University School of Medicine.
- Zelinski, E. M. (2012, March). *Brain Wellness*. University of Southern California Emeriti Presentation.
- Zelinski, E. M. (2012, April). *Brain training for healthy older adults*. Leadership Retreat, Davis School of Gerontology.
- Zelinski, E. M. (2012, June). *Getting a Successful K award: The review process for NIH K01, K08, and K23's*. KL2 Scholar class, USC Clinical Translational Science Institute.
- Zelinski, E. M. (2012, June). *From the Margins to the Mainstream: The Integration of Aging, Disability, and Technology*. Keynote Address: International Society for Gerontechnology Biennial Meeting, Eindhoven, Netherlands.
- Zelinski, E. M. (2012, June). *Improving performance on cognitive tasks: A meta-analysis*. Symposium paper: International Society for Gerontechnology Biennial Meeting, Eindhoven, Netherlands.
- Zelinski, E. M. (2012, October). *Cognitive improvement for healthy older adults*. Loma Linda University School of Medicine Annual Rehabilitation Conference.
- Zelinski, E. M. (2012, October). *What technologies do older adults actually use?* USC Rehabilitation Engineering Research Center State of the Science Meeting.

#### *Convention Papers since 2003*

- Zelinski, E. M., & Lewis, K. (2003, November). *Adult Age Differences in Multiple Cognitive Functions: Dedifferentiation, Differentiation, or Stability?* Poster presented at the annual meeting of the Gerontological Society of America, San Diego.
- Housen, P., & Zelinski, E. (2003, November). *Gender and the Bump: An Investigation of the Reminiscence Effect in the Long Beach Longitudinal Study*. Poster presented at the annual meeting of the Gerontological Society of America, San Diego.
- Kennison, R., & Zelinski, E. M. (2003, November). *Predictors of Longitudinal Change in List Recall*. Paper presented at the annual meeting of the Gerontological Society of America, San Diego.
- Zelinski, E. M., & Gilewski, M. J. (2003, November). *A 10-Item Rasch Modeled Memory Self Efficacy Scale*. Paper presented at the annual meeting of the Gerontological Society of America, San Diego.
- Chin, K., Housen, P., & Zelinski, E. M. (2003, November). *Comparing the Distribution of Autobiographical Memories From Using Free and Cued Recall Measures*. Poster presented at the annual meeting of the Gerontological Society of America, San Diego.
- McGinnis, D. & Zelinski, E. (2004, April). *Six-year longitudinal change in unfamiliar word interpretation*. Poster presented at the biennial meeting of the Cognitive Aging

- Conference, Atlanta.
- Lewis, K., & Zelinski, E. (2004, April). *Is there invariance in structural models of memory change?* Poster presented at the biennial meeting of the Cognitive Aging Conference, Atlanta.
- Lewis, K., & Zelinski, E. (2004, August). Invariance in structural models of memory change. Poseter presented at the annual meeting of the American Psychological Association, Honolulu.
- Kennison, R. & Zelinski, E. M. (2004, November). *Age and cohort effects in cognition measures*. Paper presented at the annual meeting of the Gerontological Society of America, Washington.
- Zelinski, E. M. (2004, November). PhD in Gerontology at USC. In: M. Gugliucci, *The critical role of gerontology/aging studies doctoral programs*. Symposium presented at the annual meeting of the Gerontological Society of America, Washington.
- Antonio, K., Kennison, R., & Zelinski, E. M. (2004, November). *Longitudinal estimates of change in depression: The effects of missing data*. Poster presented at the annual meeting of the Gerontological Society of America, Washington.
- Housen, P., Antonio, K., & Zelinski, E. M. (2004, November). *Reliability of the cue word method across three years*. Poster presented at the annual meeting of the Gerontological Society of America, Washington.
- Gilewski, M., & Zelinski, E. (2005, January). Change in memory predicts change in memory self efficacy if you stay in the study. In C. Hertzog (Chair), Recent Developments in Research on Aging and Cognition. Invited Symposium presented at the annual meeting of the Society for Applied Research in Memory and Cognition, Wellington, New Zealand.
- Watts Hall, A., & Zelinski, E. (2005, November). *Predictors of Cognitive Performance in Older Adults: Do Everyday Activities Matter?* Poster presented at the annual meeting of the Gerontological Society of America, Orlando.
- Kennison, R., & Zelinski, E. (2005, November). *Cohort Affects Age Models of Change in Cognition*. Poster presented at the annual meeting of the Gerontological Society of America, Orlando.
- Watts, A., & Zelinski, E. M. (2006, April). *Cohort differences in the relationship between leisure activities and cognitive performance*. Poster presented at the biennial meeting of the Cognitive Aging Conference, Atlanta.
- Kennison, R. F., & Zelinski, E. M. (2006, April). *Reasoning predicts change in list recall: Evidence from bivariate latent difference score models*. Poster presented at the biennial meeting of the Cognitive Aging Conference, Atlanta.
- Kennison, R. F., McGinnis, D., & Zelinski, E. M. (2006, November). *Change and predictors of change in rare word definition recognition*. Poster presented at the annual meeting of the Gerontological Society of America, Dallas.
- Watts, A., & Zelinski, E. M. (2006, November). *Cohort Differences in the Relationship Between Activity Participation and Cognition Among Older Adults in the Long Beach Longitudinal Study*. Poster presented at the annual meeting of the Gerontological Society of America, Dallas.
- Zelinski, E. M. (2006, November). Discussant. In S. Kemper (organizer). *Language and communication in older adults*. Symposium presented at the annual meeting of the Gerontological Society of America, Dallas.
- Zelinski, E. M. (2006, November). Organizer, *Adding up a career: Phoebe Liebig's Contributions to the Gerontological Imagination*. Symposium presented at the annual meeting of the Gerontological Society of America, Dallas.
- Watts, A., & Zelinski, E. M. (2007, November). *Predicting longitudinal change in cognitive*

- performance from everyday activities.* Poster presented at the annual meeting of the Gerontological Society of America, San Francisco.
- Kennison, R. F., & Zelinski, E. M. (2007, November). *When do age declines accelerate: Evidence from profile likelihood analysis.* Poster presented at the annual meeting of the Gerontological Society of America, San Francisco.
- Zelinski, E. M., Yaffe, K., Ruff, R. M., Kennison, R. F., & Smith, G. E. (2007, November). *The IMPACT study: A randomized controlled trial of a brain-plasticity-based training program for age-related cognitive decline.* Poster presented at the annual meeting of the Gerontological Society of America, San Francisco.
- Smith, G. E., Kennison, R. F., Ruff, R. M., Yaffe, K., & Zelinski, E. M. (2008, February). *IMPACT Study Results: A Brain-Plasticity-Based Cognitive Training Program for Age-Related Cognitive Decline: A Randomized, Controlled Trial.* Poster presented at the annual meeting of the International Neuropsychology Society, Honolulu.
- Yaffe, K.; Smith, G. E.; Ruff, R. M., Kennison, R. F., & Zelinski, E. M. (2008, April). *A Randomized Controlled Trial of a Brain Plasticity-Based Training Program for Age-Related Cognitive Decline: The IMPACT Trial.* Poster presented at the annual meeting of the American Academy of Neurology, Chicago.
- Zelinski, E. M., Yaffe, K., Smith, G. E., Ruff, R., & Kennison, R. F. (2008, May). *The IMPACT Study: A Randomized Controlled Trial of a Brain Plasticity-Based Training Program for Age-Related Cognitive Decline.* Poster presented at the annual meeting of the American Geriatrics Society. Selected for Presidential Poster Session (for highest rated submissions).
- Zelinski, E. M., Housen, P., Yaffe, K., Ruff, R., Kennison, R., Mahncke, H., & Smith, G. E. (2008, June). *Who benefits from computer training of cognitive abilities?* Paper presented at the triennial meeting of the International Society for Gerontechnology, Pisa, Italy.
- Parsons, T. D., Rizzo, A. A., Brennan, J., Silva, T., & Zelinski, E. M. (2008, June). *Assessment of executive functioning using virtual reality: Virtual Environment Grocery Store.* Paper presented at the triennial meeting of the International Society for Gerontechnology, Pisa, Italy.
- Zelinski, E. M., chair. (2008, August). *Once again, with feeling: Engagement enhances older adults' cognitive skills.* Symposium presented at the annual meeting of the American Psychological Association, Boston.
- Zelinski, E. M. (2008, August). *Intensive adaptive exercises generalize cognitive improvements: another approach to engagement.* In Zelinski, E. M., chair. (2008, August). *Once again, with feeling: Engagement enhances older adults' cognitive skills.* Symposium presented at the annual meeting of the American Psychological Association, Boston.
- Cox, J., Kennison, R. F., and Zelinski, E. M., (November, 2008). *Health Predictors of Depression in a Large Sample of Adults.* Poster presented at Gerontological Society of America's annual conference in National Harbor, MD.
- Petway, K., & Zelinski, E. M. (November, 2008). *Personality facets in aging.* Paper presented at Gerontological Society of America's annual conference in National Harbor, MD.
- Zelinski, E. M., Yaffe, K., Ruff, R., Kennison, R., Mahncke, H., & Smith, G. E. (May, 2009). *Three month follow up of the IMPACT Study: A Randomized Controlled Trial of a Brain Plasticity-Based Training Program for Age-Related Cognitive Decline.* Poster presented at the annual meeting of the American Geriatrics Society, Chicago, IL.
- Hindin, S., & Zelinski, E. M. (July 2009). *A meta-analysis of computerized training cognitive transfer effects for healthy older adults.* Poster presented at the biennial meeting of the International Gerontology Association, Paris.

- Hindin, S., & Zelinski, E. M. (November 2009). *A meta-analysis of computerized training and aerobic exercise cognitive transfer effects for healthy older adults*. Poster presented at the annual meeting of the Gerontological Society of America, Atlanta.
- Petway, K., & Zelinski, E. M. (November 2009). *Analysis of personality change with age*. Paper presented at the annual meeting of the Gerontological Society of America, Atlanta.
- Kennison, R. F., Petway, K., & Zelinski, E. M. (2010, April). *Identification of turning points and cohort differences in the rate of change in five cognitive measures of the Long Beach Longitudinal Study*. Poster presented at the biennial cognitive Aging Conference, Atlanta, GA.
- Zelinski, E. M., Spina, L., Yaffe, K., Ruff, R., Kennison, R., Mahncke, H., & Smith, G. E. (May, 2010). *Individual Differences In Retention Of Benefits From Computer Training Of Cognitive Abilities*. Poster presented at the biennial International Society for Gerontechnology meeting, Vancouver.
- Hindin, S., & Zelinski, E. M. (May, 2010). *Computerized training cognitive transfer effects for healthy older adults*. Poster presented at the biennial International Gerontechnology Conference, Vancouver.
- Hindin, S., & Zelinski, E. M. (November, 2010). *Relationship Between Reasoning Ability and List Recall Over a 9 Year Span*. Poster presented at the annual meeting of the Gerontological Society of America, New Orleans.
- Watts, A., Johnson, D. K., Burns, J. M. & Zelinski, E. M. (November, 2010). *Measuring Low Rates of Physical Activity in Healthy & Mildly Demented Older Adults*. Poster presented at the annual meeting of the Gerontological Society of America, New Orleans.
- Crimmins, E., Winstein C., & Zelinski, E. (November, 2010). *Serious Games for Healthy Aging: Beyond the Brain Game Revolution*. Symposium presented at the annual meeting of the Gerontological Society of America, New Orleans.
- Kennison, R. F., Petway, K., & Zelinski, E. M. (July 2011). *Identification of spline functions and cohort differences in psychometric measures of the Long Beach Longitudinal Study*. Poster presented at the annual meeting of the International Conference on Alzheimer's Disease, Paris.
- Dalton, S., Hindin, S., & Zelinski, E. M. (November, 2011). *Group differences in transfer effects in the IMPACT training program*. Poster presented at the annual meeting of the Gerontological Society of American, Boston.
- Dalton, S., Hindin, S., & Zelinski, E. M. (November, 2011). *Structural factor analysis and invariance of transfer variables from a randomized clinical trial of a cognitive training program*. Poster presented at the annual meeting of the Gerontological Society of American, Boston.
- Wisnowski ,JL, Bluml, S, Choi, S , Paquette, L, Zelinski, E , Petway, K , Nelson, MD, Damasio, H., & Panigrahy, A. (June, 2012). *Metabolic perturbations in parietal white matter associated with focal necroses and diffuse T2-signal hyperintensity: in vivo demonstration in preterm infants using MRI/MRS*. Paper presented at the Hershey Conference on Developmental Brain Injury, London.
- Hindin, S., & Zelinski, E. M. (November, 2012). *Aging and new word understanding: A longitudinal analysis*. Poster presented at the annual meeting of the Gerontological Society of America, San Diego.
- Zelinski, E. M. (November, 2012). *Integration at the nexus of aging, disability, and technology*. Symposium paper presented at the annual meeting of the Gerontological Society of America, San Diego.

## **Work in Progress**

Petway, K., & Zelinski, E. Longitudinal measurement of personality in older adults.

Kennison, R., Petway, K., & Zelinski, E. Bayesian modeling of individual trajectories of cognitive change.

Gilewski, M. J., & Zelinski, E. M. Computerized cognitive rehabilitation: A case study.

September, 2013