Curriculum Vitae

**Maureen Schmitter-Edgecombe, Ph.D.**

Office Address

Department of Psychology

Washington State University

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**EDUCATION**

Ph.D. The University of Memphis, Memphis, TN

August, 1994 Major**:** APA Clinical Psychology with specialized

training in Neuropsychology

Internship University of Arizona Health Sciences Center, Tucson, AR

July, 1993-94Specialty Training**:** INS and APA Division 40

Clinical Neuropsychology

M.S. The University of Memphis, Memphis, TN

August, 1991 Major**:** APA Clinical Psychology with specialized

training in Neuropsychology

B.S. Bucknell University, Lewisburg, PA

May, 1988 Major: Biology with coursework completed for major in Psychology

**ACADEMIC APPOINTMENTS**

August, 2007 Professor, Department of Psychology,

Washington State University, Pullman, WA

August, 2000 Associate Professor, Department of Psychology,

Washington State University, Pullman, WA

August, 1994Assistant Professor. Department of Psychology,

Washington State University, Pullman, WA

**HOSPITAL APPOINTMENTS**

June, 1993-94Psychology Intern. Department of Psychiatry,

University of Arizona Health Sciences Center, Tucson, AR

Summer, 1992Psychology Summer Intern. Department of Psychology, Veterans Administration Medical Center, Memphis, TN

**OTHER PROFESSIONAL POSITIONS**

2002-04 Director of Clinical Training, Department of Psychology, Washington State University, Pullman, WA

1. Licensed Clinical Psychologist, Psychology Clinic,

Washington State University, Pullman, WA

2000-01 Interim Director of Clinical Training, Department of Psychology, Washington State University, Pullman, WA

1989-93Therapist. Psychological Services Center,

University of Memphis, Memphis, TN

1988-90Neuropsychology Technician. Cortical Brain Assessment Laboratory, Baptist Memorial Hospital, Memphis, TN

**FELLOWSHIPS, RESEARCH AWARDS, AND HONORS**

2016-17 Member, Alzheimer’s disease Research Center Program review

2016 Invited Speaker, NIH Rehabilitation Research Conference

2014 Invited Speaker, CCC Aging in Place Workshop sponsored by NIH

2013 Member, CMS Community-based Care Transitions Technical Expert Panel

2012 2010 International Research Grant awardee selected for sponsorship by the Alzheimer’s Association Research Roundtable (AARR). Fellowship to present at AARR meeting.

2011- Meyer Distinguished Professor, CLA, Washington State University

2010 Fellowship to present at the National Institute of Health Workshop on Personal Motion Technologies for Independent Living

2007 Microsoft and University of Rochester Fellowship to attend Workshop on Intelligent Systems for Assisted Cognition

2004-05 Presented at the Galveston Brain Injury Conference with a Grant from the Moody Endowment

2004 Adams award for Excellence in Graduate Mentorship in Experimental Methodology, WSU Psychology

2003-04 NIA Fellowship to participate in the Psychology of Aging Institute

2002 Appointed to the Graduate Faculty in the Program of Neuroscience

2002 APA Fellowship to attend an Advanced Summer Training Institute on Functional Magnetic Resonance Imaging

1993APA Dissertation Research Award Recipient

1992-93 Van Vleet Memorial Doctoral Fellowship, University Fellowship

1991-92 Van Vleet Memorial Doctoral Fellowship, University Fellowship

1990-91Vidulich Research Fellowship, Departmental Fellowship

1990 National Academy of Neuropsychology Student Research Award

1989Phi Kappa Phi, National Honor Society

1988Graduated Cum Laude and with Honors in Psychology, Bucknell University

1987Sigma Xi, National Honor Society for Biology

**FUNDED GRANTS: External**

*Providing support in real-time with smart technologies to improve quality of life.* **Department of Defense**. AZ150096 2016-2019. $720,663. PI.

*GAANN Fellowships for Advancing Interdisciplinary Research, Education and Training in Gerontechnology*. **US Department of Education: Graduate Assistance in Areas of National Need (GAANN)**. P200A150115 $590,566. 2015-2018. PI.

*The Science of Activity-Predictive Cyber-Physical Systems*. **National Science Foundation. CPS: TTP Option: Synergy: Collaborative Research**. 2015-2019. $1,100,000. Co-PI.

*Smart Environment Technologies for Health Assessment and Assistance*. **NIH: National Institute of Biomedical Imaging and Bioengineering**. #R01 EB009675, 2014-2018, $1,487,560. PI.

*Training Program for Undergraduate Gerontechnologists (TUG*). **NIH: National Institute on Aging**. #R25 AG046114, 2014-2019, $1,604,829. PI.

*Improving Awareness, Training in and Access to Aging Services Technologies (ASTs) for individuals with Dementia, their Caregivers, and Health-care Providers*. **Attorney General’s Office of Washington State**, 2013-2017, $206,103. PI.

*Smart Environment Technology for Longitudinal Behavior Analysis and Intervention*. **NIH: National Institute of Biomedical Imaging and Bioengineering**. #R01 EB015853, 2012-2016, $1,566,691. PI

*A Multi-dyad Cognitive Rehabilitation Intervention*. **Alzheimer’s Association.** #NPSASA-10-173354, 2011-2015, $320,000. PI.

*Smart Environment Technologies for Health Assessment and Assistance*. **NIH: National Institute of Biomedical Imaging and Bioengineering**. #R01 EB009675, 2010-2014, $1,276,966. PI.

*Integrative Training in Smart Environment and Health Technologies*. **National Science Foundation: Integrative Graduate Education and Research Traineeship (IGERT)**. #DGE-0900781; 2009-2014, $2,999,928. Co-PI.

*Smart Home-Based Health Platform for Functional Monitoring and Intervention*. **Life Sciences Discovery Fund**. 2009-2012, $790,906, Co-PI.

*Promoting Partnerships between WSU and EWU*. **APA:** **Society of Teaching in Psychology**. 2008-2009, $500. Co-PI.

*Cognitive Recovery following Traumatic Brain Injury*. **NIH: National Institute of Neurological Disorders and Stroke**, 2004-2008, #R01 NS047690, $609,250. PI.

*Acquisition and Retention of Skilled Visual Search following Traumatic Brain Injury*. **NIH: National Institute of Child Health and Human Development**. #RO3 HD035838, 1998-2000, $110,638. PI.

*The Effects of Divided Attention on the Implicit and Explicit Memory Performance of Control Subjects and Severe Closed-Head Injured Patients*. **American Psychological Society, Dissertation Research Award**, 1993, $500. PI.

**FUNDED GRANTS: Internal**

Health-assistive Smart Homes for Aging in Place Research Project. *Touchmark Foundation*. 2016-2018. $60,000. Consultant.

Measurement Environments using Responsive Cognitive Immersion*. Washington State University New Faculty Seed grant*. 2014-2015, $30,000. Consultant.

Aging, Sleep and Cognition: Pilot Project. Proposal Development Stimulus Grant, *Washington State University*, 2013-2014, $26,392. Co-PI.

Identification of Parkinson’s disease Motor States from Body-worn Sensor Data. IGIS Team Building Grant. *Washington State University, College of Liberal Arts*. 2012-2013, $5,000. PI

Biomarkers, Caregiving and a Multi-dyad Cognitive Rehabilitation Intervention. *Berry Family CLA Faculty Excellence Fellow funding. Washington State University*, 2011-2014, $25,000. PI.

Improving the Everyday Functional Independence of Older Adults with Cognitive and Physical Disability through Technology. *Washington State University, College of Liberal Arts*, CLA Grant Development Award. 2008-2009, Direct Cost: $14,820. PI.

Cognitive Interventions for Persons with Early-stage Dementia. *Washington State University, College of Liberal Arts*, Edward R. Meyer Project Award, 2007-2008, Direct Cost: $1000. PI.

Memory Performance Following Severe Closed-Head Injury. *Washington State University, College of Liberal Arts,* Initiation and Completion of Research Projects Grant, 2004-2005, $600. PI.

Memory Performance and Adaptive Functioning in Normal Aging, Mild Cognitive Impairment, and Alzheimer’s Disease Populations. *Washington State University, College of Liberal Arts*, Meyer Grant Development Award, 2003-2004, $5,000. PI.

Recovery from Traumatic Brain Injury. *Washington State University, Department of Psychology*, 2002-2003, $5,000. PI.

Cognitive Aging Longitudinal Research Project. *Washington State University, College of Liberal Arts*, 2000-2001, $2,000. PI.

Executive Functions and Parkinson’s Disease. *Washington State University, College of Liberal Arts,* Initiation and Completion of Research Projects Grant, 2000-2001, $400. Co-PI.

Psychology and Aging Curriculum Development. *Washington State University,* Service Learning Curriculum Development Minigrant, 1998-1999, $750. PI.

Traumatic Brain Injury and Cognitive Performance. *Washington State University, College of Liberal Arts*, Initiation and Completion of Research Projects Grant, 1996-97, $500. PI.

Cognitive Aging. *Washington State University, College of Liberal Arts*, Initiation and Completion of Research Projects Grant, 1995-1996, $500. PI.

Cognitive Aging. *Washington State University, College of Liberal Arts*, Initiation and Completion of Research Projects Grant, 1994-1995, $500. PI.

Cognitive Aging. *Washington State University, Spokane*, Matching Funds, 1994-1995, $500. PI.

The Effects of Severe Closed Head Injury on Three Stages of Cognitive Processing. *The University of Memphis, Department of Psychology*, Vidulich Research Fellowship, 1990-1991. $8000 plus tuition remission. PI.

**GRANTS UNDER REVIEW OR RECENTLY REVIEWED**

Improving the ecological validity of functional assessment in the clinic. *Alzheimer’s Association*, 2016-2019. $449,905. PI.

Dissemination of a Physical Activity Tool Suite for Clinical Analysis. *National Institute of Health.* 2016-2020. $1,808,086. Co-I.

A clinician-in-the-loop smart technology to support health monitoring and intervention for chronic conditions*. National Institute of Health*. 2016-2021. $1,792,117. PI.

Understanding risk and resilience to disability in the context of age and disease-associated cognitive decline. *National Institute on Aging*. 2017-2022. Consultant.

Cognitive barriers to good self-management in older adults with Type 1 Diabetes: A T1D exchange longitudinal cohort study. 2016-2020. Consultant.

Slavic immigrant community’s beliefs regarding cognitive impairment. *Alzheimer’s Association*, 2016-2019. Consultant.

B-Fit: Preventative Intervention to Promote Behavior Change and Cognitive Health. *National Institute of Health*. $1,449,606. 2016-2020. PI. Not funded.

**PROFESSIONAL AFFILIATIONS**

2004-2005 Geriatric Society of America

1991-American Psychological Association (Member)

1991- International Neuropsychological Society (Member)

1990- National Academy of Neuropsychology (Member)

* 1. The Psychonomic Society (Member)

2001-2010 Cognitive Neurosciences Society (Member)

**EDITORIAL ACTIVITIES**

Editorial Board *Neuropsychology* (2010-)

*Journal of the International Neuropsychological Society* (2014-)

*Journal of Clinical and Experimental Neuropsychology* (2014-)

*The Clinical Neuropsychologists* (2015-) *ISRN Rehabilitation* (2011-2014)

Ad Hoc Reviewer, *Neuropsychologia*

*Memory and Cognition*

*Psychology and Aging*

### Aging, Neuropsychology, and Cognition

*Psychological Bulletin*

#### Journal of Experimental Psychology: General

#### Journal of Experimental Psychology: Learning, Memory, and Cognition

*Neuropsychology Review*

*Neuropsychological Rehabilitation*

*Scandinavian Journal of Psychology*

*Neurocase*

*Behavior Research Methods*

*Alzheimer’s disease and Other Disorders*

*Current Directions in Psychological Science*

*Gerontechnology*

*The Clinical Neuropsychologist*

*Journal of Applied Gerontology*

*Journal of Cognitive Psychology*

*Journal of Geriatric Psychiatry and Neurology*

*Journal of Gerontology: Psychological Sciences*

*Cortex*

*The Clinical Neuropsychologist*

*Archives of Clinical Neuropsychology*

*Alzheimer’s & Dementia*

*Journal of Speech, Language & Hearing Research*

## PEER REVIEWED PAPERS (\*denotes graduate student author; \*\* denotes undergraduate student author)

106. \*McAlister, C., & Schmitter-Edgecombe, M*.* (in press). Content and temporal order memory for performed activities in Parkinson’s disease. *Archives of Neuropsychology.*

105. \*Sprint, G., Cook, D., Fritz, R., & Schmitter-Edgecombe, M. (accepted). Using smart homes to detect and analyze health events. *Computer*.

104*.* \*Robertson, K., & Schmitter-Edgecombe, M. (in press). Naturalistic tasks performed in realistic environments: A review with implications for cognitive assessment and intervention. *The Clinical Neuropyschologist.*DOI: 10.1080/13854046.2016.1208847.

103. \*McAlister, C., & Schmitter-Edgecombe, M*.* (in press). Everyday functioning and cognitive correlates in healthy older adults with subjective cognitive concerns. *The Clinical Neuropsychologist.*

102*.* \*Hu, Y., \*\*Tilke, D., \*\*Adams, T., Crandall, A. S, Cook, D. J., & Schmitter-Edgecombe, M. (in press). Smart Home in a Box: study of large-scale in-home smart environments deployment. *Journal of Reliable Intelligent Environments*.

101. \*McAlister, C., & Schmitter-Edgecombe, M*.* (in press). Executive function subcomponents and their relations to everyday functioning in healthy older adults. *Journal of Clinical and Experimental Neuropsychology.*

100. \*\*Van Etten, E., \*Weakley, A., Schmitter-Edgecombe, M. & Cook, D. (in press). Subjective cognitive complaints and objective memory performance influence prompt preference for instrumental activities of daily living. *Gerontechnology*.

99. \*Simon, C. M., & Schmitter-Edgecombe, M*.* (2016). The role of cognitive reserve and memory self-efficacy on compensatory strategy use: a structural equation approach. *Journal of Clinical and Experimental Neuropsychology, 38,* 685-699*.* DOI: 10.1080/13803395.2016.1150426

98. \*McAlister, C., Schmitter-Edgecombe, M., & Lamb, R. (in press). Examination of variables that may affect the relationship between cognition and functional status in individuals with mild cognitive impairment: a meta-analysis*. Archives of Clinical Neuropsychology.* PMID 27001974

97. \*Das, B., Cook, D. J., Krishnan, N. C., & Schmitter-Edgecombe, M. (in press). One-class classification-based real-time activity error detection in smart homes. *IEEE Journal of Selected Topics in Signal Processing.*

96. \*McAlister, C., & Schmitter-Edgecombe, M*.* (2016). Cross-sectional and longitudinal analyses of everyday memory lapses in older adults. *Aging, Neuropsychology and Cognition, 23,* 591-608. PMID 26810777; DOI: 10.1080/13825585.2015.1132669.

95. \*Sanders, C., & Schmitter-Edgecombe, M. (in press). Examining the impact of formal planning on performance in older adults using a naturalistic task paradigm. *Neuropsychological Rehabilitation*. DOI: 10.1080/09602011.2015.1107599

94. \*Dawadi, P. N., Cook, D. J., & Schmitter-Edgecombe, M. (in press). Modeling patterns of activities using activity curves. *Pervasive and Mobile Computing, Special Issue on Big Data Analytics for Smarter Health Care*.

93. \*Dawadi, P. N., Cook, D. J., & Schmitter-Edgecombe, M. (in press). Automated clinical assessment from smart-home based behavior data. *IEEE Journal of Biomedical and Health Informatics.* PMID: 2629348; DOI: [10.1109/JBHI.2015.2445754](http://dx.doi.org/10.1109/JBHI.2015.2445754)

92.\*Weakley, A., \*Williams, J., Schmitter-Edgecombe, M., & Cook, D. (2015). Classification of mild cognitive impairment and dementia through machine learning and statistical techniques. *Journal of Clinical and Experimental Neuropsychology, 37,* 899-916*.* DOI: 10.1080/13803395.2015.1067290

91.Cook, D., Schmitter-Edgecombe, M., & \*Dawadi, P., (2015). Analyzing activity behavior and movement in a naturalistic environment using smart home techniques. *IEEE Journal of Biomedical and Health Informatics. 19,* 1882-1892. PMID: 26259225 DOI: 10.1109/JBHI.2015.2461659

90.\*Fellows, R. P., & Schmitter-Edgecombe, M. (2015). Between-Domain Cognitive Dispersion and Functional Abilities in Older Adults. *Journal of Clinical and Experimental Neuropsychology, 37*, 1013-1023*.* 10.1080/13803395.2015.1050360

89. *\**Robertson, K., \*Rosasco, C., \*Feuz, K., Schmitter-Edgecombe, M., & Cook, D. (2015). Prompting technologies: a comparison of time-based and context-aware transition-based promoting. *Technology and Health Care, 23,* 745-756. PMID: 26409520; DOI: 110.3233/THC-151033

88. Schmitter-Edgecombe, M., & \*Robertson, K. (2015). Recovery of visual search following moderate to severe traumatic brain injury*. Journal of Clinical and Experimental Neuropsychology, 37,* 162-177. PMID: 25671675; DOI: 10.1080/13803395.2014.998170

87. \*Robertson, K., & Schmitter-Edgecombe, M. (2015). Self-awareness and traumatic brain injury outcome. *Brain Injury, 29,* 848-858. DOI: 10.3109/02699052.2015.1005135

86. \*Feuz, K., \*Robertson, K., \*Rosasco, C., Cook, D. & Schmitter-Edgecombe, M. (2015). Automated detection of activity transitions for prompting. *IEEE Transactions on Human-Machine Systems, 45*, 575-585*.* DOI: [10.1109/THMS.2014.2362529](http://dx.doi.org/10.1109/THMS.2014.2362529)

85. \*Parsey, C. M., Schmitter-Edgecombe, M., & Belenky, G. (2015). Sleep and everyday functioning in older adulthood. *Journal of Applied Gerontology, 34,* 48-72. PMID: 25548088; DOI:10.1177/0733464812458364.

84. \*Sanders, C., \*Low, C., & Schmitter-Edgecombe, M. (2014). Assessment of planning abilities in individuals with mild cognitive impairment using and open-ended problem-solving task. *Journal of Clinical and Experimental Neuropsychology, 36*, 1084-1097. PMID: 25513952; DOI: 10.1080/13803395.2014.983462

83. Schmitter-Edgecombe, M., \*Parsey, C., & Lamb, R. (2014). Development and psychometric properties of the instrumental activities of daily living – compensation scale (IADL-C). *Archives of Clinical Neuropsychology, 29*, 776-792. DOI: 10.1093/arclin/acu053. PMID 25344901

82. Schmitter-Edgecombe, M. & Dyck, D. (2014). A cognitive rehabilitation multi-family group intervention for individuals with mild cognitive impairment and their care-partners. *Journal of the International Neuropsychological Society*, *20*, 897-908. PMID 25222630

81. Schmitter-Edgecombe, M. & \*Parsey, C. (2014). Assessment of functional change and cognitive correlates in the progression from normal aging to dementia. *Neuropsychology, 28*, 881-893. DOI: 10.1037/neu0000109. PMID: 24933485

80. \*Weakley, A., & Schmitter-Edgecombe, M. (2014). Analysis of verbal fluency ability in Alzheimer’s disease: the role of clustering, switching and semantic proximities. *Archives of Clinical Neuropsychology, 29*, 256-268. DOI: 10.1093/arclin/acu010.

79. Schmitter-Edgecombe, M. & \*Parsey, C. (2014). Cognitive correlates of functional abilities in individuals with mild cognitive impairment: comparison of questionnaire, direct observation and performance-based measures. *The Clinical Neuropsychologist*, 28,726-746. PMID 24766574

78. \*Anderson, J. A., \*Rueda, A., & Schmitter-Edgecombe, M. (2014). Stability of time estimation: evaluating the effects of age. *International Journal of Aging and Human Development, 78,* 259-276*.*

77. \*Wright, M. J., Wong, A., Obermeit, L., \*Woo, E., Schmitter-Edgecombe, M., & Fuster, J. M. (2014). Memory for performed and observed activities following traumatic brain injury. *Journal of Clinical and Experimental Neuropsychology, 36*, 268-277. DOI:10.1080/13803395.2014.884543.

76. \*Parsey, C. M., & Schmitter-Edgecombe, M. (2013). Applications of technology in neuropsychological assessment. *The Clinical Neuropsychologist*, 27, 1328-1361. PMID: 24041037. DOI: 10.1080/13854046.2013.834971.

75. \*Tam, J. W., & Schmitter-Edgecombe, M. (2013). The role of processing speed in the Brief Visuospatial Memory test-Revised. *The Clinical Neuropsychologist, 27*, 962-972*.* PMID 23682755. DOI: 10.1080/13854046.2013.797500.

74.\*Dawadi, P., Cook, D., Schmitter-Edgecombe, M., & \*Parsey, C. (2013). Automated assessment of cognitive health using smart home technologies. *Technology and Health Care, 21*, 323-343*.*PMID: 23949177. DOI: 10.3233/THC-130734.

73. *\**McAlister, C. & Schmitter-Edgecombe, M. (2013). Naturalistic assessment of executive function and everyday multitasking in healthy older adults. *Aging, Neuropsychology and Cognition, 20*, 735-756*.* DOI:10.1080/13825585.2013.781990. PMID 23557096

72. \*Dawadi, P., Cook, D., & Schmitter-Edgecombe, M. (2013). Automated cognitive health assessment using smart home monitoring of complex tasks. *IEEE Transactions on Systems, Man and Cybernetics, 43*, 1302-1313. PMID 25530925

71. \*Tam, J. W. & Schmitter-Edgecombe, M. (2013). Event-based prospective memory and everyday forgetting in healthy older adults and individuals with mild cognitive impairment. *Journal of Clinical and Experimental Neuropsychology, 35,* 279-290*.* DOI: 10.1080/13803395.2013.770823

70. \*Seelye, A. M., Schmitter-Edgecombe, M., Cook, D. J., & Crandall, A. (2013). Naturalistic assessment of everyday activities and prompting technologies in mild cognitive impairment. *Journal of the International Neuropsychological Society, 19,* 442-452*.* PMID 23351284

69. \*Weakley, A., Schmitter-Edgecombe, M., & Anderson, J. (2013). Analysis of verbal fluency in amnestic and nonamnestic mild cognitive impairment. *Archives of Clinical Neuropsychology,28*, 721-731. PMID: 2391746; DOI: 10.1093/arclin/act058

68. Schmitter-Edgecombe, M., \*McAlister, C., & \*Weakley, A. (2012). Naturalistic assessment of everyday functioning in individuals with mild cognitive impairment: the day out task. *Neuropsychology, 26*, 631-641. PMID 22846035; DOI: 10.1037/a0029352

67. \*Seelye, A. M., Schmitter-Edgecombe, M., \*Das, B., & Cook, D. (2012). Application of cognitive rehabilitation theory to the development of smart prompting technology. *IEEE Reviews in Biomedical Engineering, 5*, 29-44. DOI: 10.1109/RBME.2012.2196691 PMID 23231987

66. \*Sanders, C. & Schmitter-Edgecombe, M. (2012). Identifying the nature of impairment in planning ability with normal aging. *Journal of Clinical and Experimental Neuropsychology, 34*, 724-737. DOI: 10.1080/13803395.2012.670210. PMID: 22506736

65. \*Das, B., Cook, D. J., Schmitter-Edgecombe, M., \*Seelye, A. M. (2012). PUCK: An automated prompting system for smart environments*. Personal & Ubiquitous Computing, 16*, 859-873*.* DOI: 10.1007/s00779-01100445-6

64. Schmitter-Edgecombe, M., & \*Seelye, A. M. (2012). Recovery of content and temporal order memory for performed activities following moderate to severe traumatic brain injury. *Journal of Clinical and Experimental Neuropsychology*, *34*, 256-268. DOI: 10.1080/13803395.2011.633497 PMID 22220505

63. \*Pavawalla, S., Schmitter-Edgecombe, M. & Smith, R (2012). Prospective memory following moderate-to-severe traumatic brain injury: a formal multinomial modeling approach*.* *Neuropsychology, 26,* 91-101*.* DOI: 10.1037/a0025866 PMID 21988127

62. Cook, D. J., Schmitter-Edgecombe, M. & Holder, L. B. (2011). Gerontechnology education: Beyond the barriers. *IEEE Persuasive Computing, 10,* 59-63.

61. Schmitter-Edgecombe, M., \*Parsey, C., & Cook, D. (2011). Cognitive correlates of functional performance in older adults: comparison of self-report, direct observation and performance-based measures. *Journal of the International Neuropsychological Society, 17,* 853-864*.* PMID 217129400

60. \*Wright, M. & Schmitter-Edgecombe, M. (2011). The impact of verbal memory encoding and consolidation deficits during recovery from moderate-to-severe traumatic brain injury. *Journal of Head Trauma Rehabilitation, 26*, 182-191. PMID 21552067

59. Schmitter-Edgecombe, M. & \*Seelye, A. M. (2011). Predictions of verbal episodic memory in persons with Alzheimer’s disease. *Journal of Clinical and Experimental Neuropsychology, 33*, 218-225. PMID 20839133

58. \*Anderson, J. & Schmitter-Edgecombe, M. (2011). Recovery of time estimation following moderate to severe traumatic brain injury. *Neuropsychology, 25*, 36-44. PMID 20919767.

57. \*Parsey, C. & Schmitter-Edgecombe, M. (2011). Quantitative and Qualitative Analyses of the Clock Drawing Test in Mild Cognitive Impairment and Alzheimer’s Disease: Evaluation of a Modified Scoring System. *Journal of Geriatric Psychiatry and Neurology, 24*, 108-118. PMID 21546651

56. \*Rashidi, P., Cook, D. J., Holder, L. B., & Schmitter-Edgecombe, M. (2011). Discovering activities to recognize and track in a smart environment. *IEEE Transactions on Knowledge and Data Engineering, 23*, 527-539. PMID 21617742

55. Schmitter-Edgecombe, M., & \*Creamer, S. (2010). Assessment of strategic processing during narrative comprehension in individuals with mild cognitive impairment. *Journal of the International Neuropsychological Society, 16*, 661-671. PMID 20438657

54. \*Wright, M. J., Schmitter-Edgecombe, M., & \*Woo, E. (2010). Verbal memory impairment in severe closed-head injury: The role of encoding and consolidation. *Journal of Clinical and Experimental Neuropsychology, 32*, 728-736. PMID 20175012

53. \*Anderson, J. & Schmitter-Edgecombe, M. (2010). Mild cognitive impairment and feeling-of-knowing in episodic memory*.* *Journal of Clinical and Experimental Neuropsychology, 32*, 505-514. PMID 19821173

52. \*Creamer, S. & Schmitter-Edgecombe, M. (2010). Narrative comprehension in Alzheimer’s disease: Assessing inferences and memory operations with a think-aloud procedure. *Neuropsychology, 24*, 279-290. PMID 20438206

51. \*Singla, G., Cook, D. J., & Schmitter-Edgecombe, M. (2010). Recognizing independent and joint activities among multiple residents in smart environments. *Journal of Ambient Intelligence and Humanized Computing,1*, 57-63. PMID 20975986

50. \*Seelye, A. M., Schmitter-Edgecombe, M. & \*Flores, J. (2010). Episodic memory predictions in persons with amnestic and non-amnestic mild cognitive impairment. *Journal of Clinical and Experimental Neuropsychology, 32*, 433-441. PMID 20397298

49. \*Livengood, M., \*Anderson, J., & Schmitter-Edgecombe, M. (2010). Assessment of memory self-awareness following traumatic brain injury. *Brain Injury, 24*, 598-608. PMID 20235762

48. \*Woo, E., & Schmitter-Edgecombe, M. (2009). Aging and semantic cueing during learning and retention of verbal episodic information. *Aging, Neuropsychology, and Cognition, 16*, 103-119.PMID 18923945

47. Cook, D. J., & Schmitter-Edgecombe, M. (2009). Assessing the quality of activities in a smart environment. *Methods of Information in Medicine, 48*, 480-485. PMC2759863

46. \*Wright, M. J., \*Woo, E., Schmitter-Edgecombe, M., Hinkin, C. H., & Miller, E. N. (2009). The item specific deficit approach to evaluating verbal memory dysfunction: rationale, psychometrics and application. *Journal of Clinical and Experimental Neuropsychology, 31*, 790-802. PMID 19142773

45. \*Singla, G., Cook, D. J., & Schmitter-Edgecombe, M. (2009). Tracking activities in complex settings using smart environment technologies*. International Journal of BioSciences, Psychiatry and Technology, 1*, 25-35. PMID 20019890

44. \*Anderson, J., & Schmitter-Edgecombe, M. (2009). Predictions of episodic memory performance following moderate-to-severe traumatic brain injury*. Journal of Clinical and Experimental Neuropsychology, 31*, 425-438. PMID 18696113

43. \*Rueda, A., & Schmitter-Edgecombe, M. (2009). Time estimation abilities in persons with mild cognitive impairment and Alzheimer’s disease. *Neuropsychology, 23*, 178-188. PMID 19254091

42. Schmitter-Edgecombe, M., \*Woo, E. & Greeley, D. (2009). Characterizing multiple memory deficits and their relation to everyday functioning in individuals with mild cognitive impairment. *Neuropsychology, 23*, 168-177. PMID 19254090

41. Schmitter-Edgecombe, M. & \*Sanders, C. (2009). Task switching in mild cognitive impairment: Switch and nonswitch costs. *Journal of the International Neuropsychological Society, 15*, 103-111. PMID 19128533

40. Schmitter-Edgecombe, M., \*Howard, J. T., \*Pavawalla, S., \*Howell, L. & \*Rueda, A. (2008). Multi-dyad Memory Notebook Intervention for Very Mild Dementia: A Pilot Study. *American Journal of Alzheimer’s Disease & Other Dementias, 23*, 477-487.

39. \*McWilliams, J., & Schmitter-Edgecombe, M. (2008). Semantic memory organization during the early stage of recovery from traumatic brain injury*. Brain Injury, 22*, 243-253.

38. Schmitter-Edgecombe, M., & \*Rueda, A. D. (2008). Time estimation and episodic memory following traumatic brain injury. *Journal of Clinical and Experimental Neuropsychology, 30*, 212-223.

37. \*Woo, E., Schmitter-Edgecombe, M., & \*Fancher, J. (2008). Memory prediction accuracy in younger and older adults: A cross-sectional and longitudinal analysis. *Aging, Neuropsychology, and Cognition, 15*, 1-27.

36. \*Chaytor, N., & Schmitter-Edgecombe, M. (2007). Fractionation of the Dysexecutive Syndrome in a Heterogeneous Neurological Sample. *Brain Injury, 21*, 615-621.

35. Schmitter-Edgecombe, M. & \*Woo, E. (2007). Effects of age and divided attention on memory components derived for the category exemplar generation task. *Aging, Neuropsychology, and Cognition, 14,* 274-300.

34. Schmitter-Edgecombe, M., & \*Anderson, J. W. (2007). Feeling-of-knowing in episodic memory following moderate-to-severe closed-head injury. *Neuropsychology, 21,* 224-234.

33. Schmitter-Edgecombe, M., & \*Kayne, M. (2006). Costs of predictable switch between simple cognitive tasks following severe closed-head injury. *Neuropsychology, 20,* 675-684.

32. \*Pavawalla, S. & Schmitter-Edgecombe, M. (2006). Long-term retention of skilled visual search following severe closed-head injury. *Journal of the International Neuropsychological Society, 12*, 802-811*.*

31. \*Chaytor, N. S., Schmitter-Edgecombe, M., & Burr, R. (2006). Improving the ecological validity of executive functioning tests: Environmental demands and compensatory strategies. *Archives of Clinical Neuropsychology, 21*, 217-227.

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**PEER REVIEWED TECHNICAL REPORTS AND PROCEEDINGS**

13. \*Zulas, A., Crandall, A., & Schmitter-Edgecombe, M. (2016). Caregiver needs from elder care assistive smart homes: Spouses of elder adults assessment. *Proceedings of the SIGCHI.*

12. \*Sprint, G., Cook, D., Fritz, R., & Schmitter-Edgecombe, M. (2016). Detecting health and behavior change by analyzing smart home sensor data. *Proceedings of the 2nd IEEE International Conference on Smart Computing (SMARTCOMP).*

11. \*Zulas, A. L., Crandall, A. S., & Schmitter-Edgecombe, M. (2014). Caregiver needs from elder care assistive smart homes: children of elder adults assessment. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 58*, 634-638.

10. \*Simon, C., \*Cain, C., \*Hajiammini, S., \*Saeedi, R., Schmitter-Edgecombe, M., & Cook, D. (2014). Digital memory notebook: experimental evaluation of motivational reward strategies. *Proceedings of the UBICOMP 2014*, 1193-1200.

9. \*Dawadi, P., Cook, D., Schmitter-Edgecombe, M. (2014) Smart home-based longitudinal assessment. *Proceedings of the UBICOMP 2014*, 1217-1224.

8. \*Williams, J., \*Weakley, A., Cook, D. & Schmitter-Edgecombe, M. (July, 2013). Machine learning techniques for diagnostic differentiation of mild cognitive impairment and dementia. *Proceedings of the AAAI Workshop on Expanding the Boundaries of Health Informatics Using AI (Bellevue, Washington).*

7. \*Darnall, N., Krishnan, N., Carlson, J., Greeley, D., Mark, J., Schmitter-Edgecombe, M., & Lin, D. (June, 2013). Identifying the presences of dyskinesia in patients with Parkinson’s disease from accelerometer data. *Proceedings of the the ASME Summer Bioengineering Conference (Sunriver, Oregon).*

6. \*Zulas, A., \*Crandall, A., Schmitter-Edgecombe, M. & Cook, D. (2012). Caregiver needs from elder care assistive smart homes: Nursing assessment*. Proceedings of the Human Factors and Ergonomics Society’s Annual Meeting, 56,* 125-129.

5. \*Das, B., \*Thomas, B. L., \*Seelye, A., Cook, D. J., Holder, L. B., & Schmitter-Edgecombe, M. (January, 2012). Context-aware prompting from your smart phone. *Proceedings of the 2nd IEEE International Workshop on Consumer eHealth Platforms, Services and Applications CCNC,* 56-57.

4. \*Das, B., \*Seelye, A., \*Thomas, B. L., Cook, D. J., Holder, L. B., & Schmitter-Edgecombe, M. (January, 2012). Using smart phones for context-aware prompting in smart environments. *Proceedings of the 2nd IEEE International Workshop on Consumer eHealth Platforms, Services and Applications CCNC,* 399-403.

3. \*Dawadi, P., Cook, D., \*Parsey, C., Schmitter-Edgecombe, M., & \*Schneider, M. An approach to functional assessment in smart home. (August, 2011). *Proceedings of the Knowledge Discovery and Data Mining Workshop on Medicine and HealthCare*.

2. Cook, D., Schmitter-Edgecombe, M., \*Crandall, A., \*Sanders, C. & \*Thomas, B. (April, 2009). Collecting and disseminating smart home sensor data in the CASAS project. *Proceedings of the Computer-Human Interaction Workshop on Developing Shared Home Behavior Datasets to Advance HCI and Ubiquitous Computing Research.*

1. \*Singla, G., Cook, D. J., & Schmitter-Edgecombe, M. (2008). Incorporating Temporal Reasoning into Activity Recognition for Smart Home Residents. *AAAI Technical Report Series: Spatial and Temporal Reasoning*, 53-61.

**BOOK CHAPTERS**

8. Schmitter-Edgecombe, M., & Farias, S. T. (forthcoming). Aging and everyday functioning: measurement, correlates and future directions. In G. E. Smith & S. T. Farias (Ed.). *APA Handbook of Dementia*.

7. Schmitter-Edgecombe, M., & \*Robertson, K. (forthcoming). Naturalistic assessment: everyday environments and emerging technologies. In T. D. Marcotte & I. Grant (Ed.). *Neuropsychology of Everyday Functioning* (2nd Edition). New York: The Guilford Press.

6. Schmitter-Edgecombe, M., Cook, D., \*Weakley, A. & \*Dawadi, P. (forthcoming). Using Smart Environment Technologies to Monitor and Assess Everyday Functioning and Deliver Real-time Intervention. In T. Parsons & R. Kane (Ed.). *The Role of Technology in Clinical Neuropsychology*. Oxford University Press.

5.\* Tam, J., & Schmitter-Edgecombe, M. (forthcoming). A review of factors affecting aging services technology use in the aging population. In T. Parsons & R. Kane (Ed.). *The Role of Technology in Clinical Neuropsychology*. Oxford University Press.

4. Schmitter-Edgecombe, M., \*Seelye, A., & Cook, D. J. (2013). Technologies for health assessment, promotion and assistance: Focus on gerontechnology. In J. J. Randolph (Ed.), *Positive Neuropsychology: An Evidence-Based Perspective on Promoting Cognitive Health*. New York, NY: Springer Science and Business Media, LLC.

3. \*Sanders, C., Ziegler, E., & Schmitter-Edgecombe, M. (2012). Traumatic brain injury and the impact of secondary influences.In P. Arnett (Ed.), *Secondary Influences on Neuropsychological Test Performance*. Oxford University Press.

2. Schmitter-Edgecombe, M., \*Pavawalla, S., \*Howard, J. T., \*Howell, L. & \*Rueda, A. (2009). Dyadic Interventions for Persons with Early-Stage Dementia: A Cognitive Rehabilitative Focus.In R. R. Bougham (Ed.), *New Directions in Aging Research: Health and Cognition*. Nova Science Publishers.

1. Long, C. J., & Schmitter, M. E. (1992). Neuropsychological outcome: Evaluation of cognitive sequelae following head injury. In C. J. Long & L. Ross (Ed.), *Handbook of head trauma: From acute care to recovery* (pp. 107-122). New York: Plenum Press.

**NON PEER REVIEWED INVITED ARTICLE**

1. Tam, J., & Schmitter-Edgecombe, M. (Fall, 2015). Technology to support aging and health. *National Academy of Neuropsychology Bulletin*. National Academy of Neuropsychology.

**BOOK REVIEWS**

1. Schmitter-Edgecombe, M. (2008). Inhibition: What does it mean and how can we measure it? Book review of D. S. Gorfein and C. M. MacLoed (Eds.), Inhibition in Cognition. *Journal of Clinical and Experimental Neuropsychology, 30*, 607-609.

**TREATMENT MANUALS**

2. Schmitter-Edgecombe, M., Dyck, D. G., Norell, D., & Warren, L. (last updated, March 2013). A Cognitive Rehabilitation Multi-Family Group Intervention for Individuals with Mild Cognitive Impairment and their Care-Partners: Treatment Manual (pp. 1-59). *Alzheimer’s Association*.

1. Schmitter-Edgecombe, M., Dyck, D. G., Norell, D., & Warren, L. (last updated, March 2013). A Cognitive Rehabilitation Multi-Family Group Intervention for Individuals with Mild Cognitive Impairment and their Care-Partners: Workbook (pp. 1-138). *Alzheimer’s Association*.

**MANUSCRIPTS SUBMITTED or IN REVISION**

\*Sprint, G., Cook, D., & Schmitter-Edgecombe, M. (revisions submitted). *Unsupervised detection and analysis of changes in everyday physical activity data.* Journal of Biomedical Informatics.

Lamb, R., Vallett, D.B., Schmitter-Edgecombe, M., & Akmal, T. (submitted). *A computational model of student cognitive process while solving critical thinking problems in science.* Research is Science Education.

\*Dahmen, J., Cook, D., \*Fellows, R. & Schmitter-Edgecombe, M. (submitted). *An analysis of a digital variant of the trail making test using machine learning techniques.*

\*Fellows, R., \*Dahmen, J., Cook, D., & Schmitter-Edgecombe, M. (submitted). *Multicomponent analysis of a novel digital trail making test*.

\*Parsey, C. M., & Schmitter-Edgecombe. (submitted). *Using actigraphy to predict ecological momentary assessment reports of sleep quality, mood and cognitive functioning in older adulthood*.

Lamb, R., Miller, D., Schmitter-Edgecombe, M., Firestone, J., & McMahon, D. (submitted). *Fetal Alcohol Spectrum Disorder a cognitive function in children and adolescents a meta-analysis and computation model*. Child Development.

\*Robertson, K., & Schmitter-Edgecombe, M. (submitted). *Focused and divided attention abilities in the acute phase of recovery from moderate to severe traumatic brain injury*.

\*Beaver, J. K., & Schmitter-Edgecombe, M. (submitted). *Multiple memory processes and everyday functional assessment in community-dwelling older adults*.

\*Beaver, J. K., & Schmitter-Edgecombe, M. (submitted). *Omission errors in everyday task completion and cognitive correlates across stages of cognitive impairment in older adults*.

Cohen, R. G., Vasavada, A. N., & Schmitter-Edgecombe, M. *Mobility and upright posture are associated with different aspects of cognition in older adults.*

Lamb, R., Roth-McDuffie, A., Schmitter-Edgecombe, M., \*Cunningham, R., \*McManus, C., Antonenko, P., & Hamill, A. *Examination of mathematics problem solving using functional near infrared spectroscopy (fNIR) neuroimaging technologies*. Journal of Educational Effectiveness.

**MANUSCRIPTS NEARING SUBMISSION**

Tam, J., Schmitter-Edgecombe, M., Von San, C., & Dyck, D. *A video-based intervention to increase aging services technologies awareness and use.*

Farias, S., Schmitter-Edgecombe, M., Weakley, A., Harvey, D., Denny, K. G., Barba, C., Giovenetti, T., & Willis, S. *Compensation strategy use among older adults: Association with diagnostic status, neuropsychological function, and everyday function.*

Weakley, A., Van Son, C., Tam, J. & Schmitter-Edgecombe, M. *Effectiveness of an aging services technology education program among clinical care professionals.*

**SUBMITTED PROCEEDINGS**

**THESES AND DISSERTATIONS SUPERVISED**

Master’s Theses Chaired or Chairing: 16

Jill McConnell, Amy Simpson, Tamara Karl, Naomi Chaytor, Heather Nissley, Shital Pavawalla, Michelle Kayne, Scott Creamer, Alicia Rueda, Chad Sanders, Carolyn Parsey, Joyce Tam, Kayela Robertson, Christa Simon, Jenna Beaver, Rachel Braley

Doctoral Dissertations Chaired or Chairing: 20

Amy Simpson (Clinical Supervisor, Montana Academy), Pamela Freske (Clinical Psychologist, Minnesota State University), Naomi Chaytor (Assistant Professor, College of Medicine, WSU), Heather Nissley (Rehabilitation Psychologist, Reading Hospital and Medical Center), Ellen Woo (Assistant Clinical Professor of Neurology, David Geffen School of Medicine at UCLA), Matt Wright (Health Sciences Assistant Professor & Director of Neuropsychology Services & Training, Harbor-UCLA Medical Center), Shital Pavawalla (Neuropsychologist , The Adventist Medical Group in Rockwood, MD), Lisa Howell (Clinical Psychologist, Mayo Clinic Health System), Alicia Rueda (Clinical Neuropsychologists, VAMC, Sacramento Valley Division), Carly Anderson (Clinical Neuropsychologist, Minneapolis VAMC), Scott Creamer (Clinical Psychologist, Hines VAMC), Adrianna Seelye (Assistant Professor, University of Minnesota), Chad Sanders (Clinical Psychologist, Washington State University), Carolyn Parsey (post doc, Albuquerque VA), Courtney McAlister (post doc, Colorado Medical School), Joyce Tam (post doc, Indiana School of Medicine), Kayela Robertson (internship, Rush Medical Center), Alyssa Weakley, Robert Fellows, Catherine Sumida

Undergraduate McNair Projects Chaired: 2 (both published)

Jennifer McWilliams, Michelle Livengood (co-mentor)

Undergraduate Honor’s Theses Chaired: 3 (2 published)

David Jones, James Bales, Sara Anderson

**POST DOCTORAL STUDENTS SUPPORTED AND SUPERVISED**

Jonathan Anderson (Associate Professor & Associate Dean of the College of Social and Behavioral Sciences and Social Work, Eastern Washington University)

Randi McDonald (Clinical Psychologist, Cordova Counseling Center)

**PAPER PRESENTATIONS AND SYMPOSIUM**

158. Van Son, C., Weakley, A., Schmitter-Edgecombe, M., & Tam, J. (June, 2017). *Provider knowledge regarding assistive technologies that support older adults’ independence.* Poster submitted to the 21st annual conference of the IAGG World Congress of Gerontology and Geriatrics.

157. Fritz, R. L., Schmitter-Edgecombe, M., Crandall, A. & cook, D. (June, 2017). *Health-assistive smart homes with a clinician-in-the-loop.* Poster submitted to the 21st annual conference of the IAGG World Congress of Gerontology and Geriatrics.

156. Sumida, C., Vo, T., & Schmitter-Edgecombe, M. (October, 2016). *An assessment of medication management and planning in a sample of community dwelling healthy older adults.* Poster submitted to the 36th annual meeting of the National Academy of Neuropsychology, Seattle, WA.

155. Van Etten, E., Weakley, A., Schmitter-Edgecombe, M. & Cook, D. (October, 2016). *Subjective and objective memory influences prompt preference of instrumental activities of daily living.* Poster to be presented at the 36th annual meeting of the National Academy of Neuropsychology, Seattle, WA.

154. Robertson, K., Kelly, S. & Schmitter-Edgecombe, M. (October, 2016). *Recovery of event-based prospective memory following traumatic brain injury.* Poster to be presented at the 36th annual meeting of the National Academy of Neuropsychology, Seattle, WA.

153. Shipman, M., Tam, J., Kim, H. & Schmitter-Edgecombe, M. (October, 2016). *Increasing aging services technologies awareness through a video-based intervention for caregivers.* Poster submitted to the 36th annual meeting of the National Academy of Neuropsychology, Seattle, WA.

152. Braley, R., Beaver, J. & Schmitter-Edgecombe, M. (August, 2016). *Using source memory as a predictor for performance on everyday function measures.* Poster to be presented at the annual meeting of the American Psychological Association, Denver, CO.

151. Lamb, R., Vallett, D., Akmal, T., Schmitter-Edgecombe, M., & Cunningham, R. (April, 2016). *A computational modeling of student cognitive processes while solving critical thinking problems in science.* Poster to be presented at the International Conference of National Association for Research in Science Teaching (JRST), Baltimore, MD.

150. Lopez, F. V., Robertson, K., Simon, C. & Schmitter-Edgecombe, M. (April, 2016). *Cognition and healthy lifestyle factors in older adulthood*. Submitted to the 96th annual meeting of the Western Psychological Association, Long Beach, CA.

149. McAlister, C., & Schmitter-Edgecombe, M. (February, 2016). *Everyday functioning and cognitive correlates in healthy older adults with subjective cognitive concerns.* To be presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.

148. McAlister, C., & Schmitter-Edgecombe, M. (February, 2016). *Executive function subcomponents and their relations to everyday functioning in healthy older adults.* To be presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.

147. Fellows, R., Dahmen, J., & Schmitter-Edgecombe, M. (February, 2016). *Multicomponent analysis of a novel digital trail making test.* To be presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.

146. Tam, J., & Schmitter-Edgecombe, M. (February, 2016). *A video-based intervention to increase aging services technologies awareness and promote functional independence.* To be presented at the 44th annual meeting of the International Neuropsychological Society, Boston, MA.

145. Parsey, C., & Schmitter-Edgecombe, M. (November, 2015). *Objective and subjective sleep parameters as predictors of executive functioning in normal aging and mild cognitive impairment*. To be presented at the 35th annual meeting of the National Academy of Neuropsychology, Austin, TX.

144. Weakley, A., Brusasco, J., & Schmitter-Edgecombe, M. (November, 2015). *Semantic fluency cue selection is important in Parksinson’s disease*. To be presented at the 35th annual meeting of the National Academy of Neuropsychology, Austin, TX.

143. McAlister, C., Robertson, K., & Schmitter-Edgecombe, M. (November, 2015). *Brain health intervention for healthy older adults: Examination of brain health lifestyle factors pre- and post-intervention*. To be presented at the 35th annual meeting of the National Academy of Neuropsychology, Austin, TX.

142. McAlister, C., Schmitter-Edgecombe, M., & Lamb, R. (November, 2015). *Cognitive correlates of everyday functioning in individuals with mild cognitive impairment: A meta-analysis*. To be presented at the 35th annual meeting of the National Academy of Neuropsychology, Austin, TX.

141. Parsey, C., & Schmitter-Edgecombe, M. (November, 2015). *Validation of a modified scoring system for the clock drawing test: Psychometrics for healthy aging, mild cognitive impairment and dementia*. To be presented at the 35th annual meeting of the National Academy of Neuropsychology, Austin, TX.

140. Finale, C., McAlister, C., Robertson, K, & Schmitter-Edgecombe, M. (June, 2015). *Diet and exercise improve performance on naturalistic task efficiency*. To be presented at the 13th annual meeting of the American Academy of Clinical Neuropsychology, San Francisco, CA.

139. McAlister, C., Finale, C., Robertson, K, & Schmitter-Edgecombe, M. (June, 2015). *Executive functions and everyday functioning in healthy older adults: The Night-Our-Task*. To be presented at the 13th annual meeting of the American Academy of Clinical Neuropsychology, San Francisco, CA.

138. Robertson, K., McAlister, C., Paoletti, J., & Schmitter-Edgecombe, M. (June, 2015). *Brain health intervention for healthy older adults: examination of cognition pre- and post-intervention*. To be presented at the 13th annual meeting of the American Academy of Clinical Neuropsychology, San Francisco, CA.

137. Fellow, R.P., Tam, J.W., Vo, T., & Schmitter-Edgecombe, M. (June, 2015). *Cognitive, motor and physical factors associated with ability to carry-out everyday activities that require physical capabilities in older adults*. To be presented at the 13th annual meeting of the American Academy of Clinical Neuropsychology, San Francisco, CA.

136. Tam, J.W., Lauderdale, N., Fellow, R.P., & Schmitter-Edgecombe, M. (June, 2015). *Verbal list learning in individuals with mild cognitive impairment*. To be presented at the 13th annual meeting of the American Academy of Clinical Neuropsychology, San Francisco, CA.

135. Fanale, C., Caffrey, K., Wright, B., Schmitter-Edgecombe, M., & Dyck, D. (2015, May) Neurocognitive intervention works to reduce depressive symptoms. Poster presented at the Western Psychological Association conference, Las Vegas, NV.

134. Weakley, A., Williams, J., Schmitter-Edgecombe, M. & Cook, D. (February, 2015). *Automated Classification of Mild Cognitive Impairment and Dementia*. Presented at the 43rd annual meeting of the International Neuropsychological Society, Denver, CO.

133. Weakley, A., Williams, J., Schmitter-Edgecombe, M. & Cook, D. (February, 2015). *Neuropsychological Measures Essential for Cognitive Impairment Classification Using Machine Learning*. Presented at the 43rd annual meeting of the International Neuropsychological Society, Denver, CO.

132. Nguyem, H., Pimentel, J., Madison, C., Robertson, K., & Schmitter-Edgecombe, M. (November, 2014). *Simulated Shopping Task in Patients with Acquired Neurological Conditions: Internal Consistency*. Presented at the American Speech-Language-Hearing Association conference, Orlando, FL.

131. Robertson, K., Rosasco, C., Feuz, K., Cook, D. & Schmitter-Edgecombe, M. (November, 2014). *Prompting technologies: Is prompting during activity transition more effective than time-based prompting*? Presented at the 34th annual meeting of the National Academy of Neuropsychology, Puerto Rico.

130. Tam, J.W., Fellow, R.P., Johnson, K.N., & Schmitter-Edgecombe, M. (June, 2014). *Quality of life among individuals with mild cognitive impairment and their care-partners*. Presented at the 12th annual meeting of the American Academy of Clinical Neuropsychology, New York City, NY.

129. Schmitter-Edgecombe, M., Dyck, D. G., Tam, J., McAlister, C., Jones, R., & Johnson, K. (June, 2014). *A cognitive rehabilitation multi-family group intervention for mild cognitive impairment*. Presented at the 12th annual meeting of the American Academy of Clinical Neuropsychology, New York City, NY.

128. Cohen, R., Smith, B., Sanders, N., Johnson, K., Vasavada, A., & Schmitter-Edgecombe, M. (June, 2014). *Forward head posture in older subjects is associated with executive deficits.* Presented at the 2014 International Society for Posture & Gait Research, Vancouver, BC.

127. Schmitter-Edgecombe, M. (February, 2014). Invited symposium speaker for the following symposia *Ecologically valid methods of assessment in neuropsychology*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

126. Sanders, C., Schmitter-Edgecombe, M. & Low, C. (February, 2014). *The map task: an open-ended test of planning ability using ecologically-valid stimuli in a real-world environment*. Presented as part of a symposium to the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

125. Sanders, C., Low, C., & Schmitter-Edgecombe, M. (February, 2014). *Examining impairment in planning ability with mild cognitive impairment*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

124. Robertson, K., McAlister, C., & Schmitter-Edgecombe, M. (February, 2014). *Automatic and controlled processing abilities after traumatic brain injury*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

123. Tam, J. W., Fellows, R. P., Johnson, K. N., & Schmitter-Edgecombe, M. (February, 2014). *Caregiver burden among caregivers of individuals with mild cognitive impairment (MCI)*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

122. Simon, C., & Schmitter-Edgecombe, M. (February, 2014). *Instrumental activities of daily living among healthy older adults: discrepancies between self-report, performance-based and direct observation*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

121. Lopez, W. D., Birath, J. B., Lara-Ruiz, J., Sikora, I., Amaya, S., Budding, D. E., Woo, E., Schmitter-Edgecombe, M., & Wright, M. J. (February, 2014). *A Comparison of Methods to Extract Executive Ability from Trail Making Test B in Traumatic Brain Injury Survivors*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

120. McAlister, C., Robertson, K., & Schmitter-Edgecombe, M. (February, 2014). *Noncontent memory and its relation to everyday functioning in individuals with mild cognitive impairment.* Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

119. Weakley, A., & Schmitter-Edgecombe, M. (February, 2014). *Analysis of verbal fluency ability in Alzheimer’s disease: The role of clustering, switching and semantic proximities*. Presented at the 42nd annual meeting of the International Neuropsychological Society, Seattle, WA.

118. Tam, J., & Schmitter-Edgecombe, M. (October, 2013). *Temporal order memory and intentional learning in individuals with mild cognitive impairment.* Presented at the 33rd annual meeting of the National Academy of Neuropsychology, San Diego, CA.

117. McAlister, C., & Schmitter-Edgecombe, M. (October, 2013). *Everyday functioning and neuropsychiatric symptoms in healthy older adults and individuals with mild cognitive impairment.* Presented at the 33rd annual meeting of the National Academy of Neuropsychology, San Diego, CA.

116. Robertson, K., & Schmitter-Edgecombe, M. (September, 2013). Self Awareness and Traumatic Brain Injury Outcome. Presented at the 11th Annual Conference of the North American Brain Injury Society.

115. Tam, J., & Schmitter-Edgecombe, M. (July, 2013). *Age-differences in prospective memory performance in a naturalistic setting.* Presented at the 11th Annual Conference of the American Academy of Clinical Neuropsychology, Chicago, IL.

114. Fanale, C.M., Eldridge, D., Wright, B., Schmitter-Edgecombe, M., Warren, L., Banasik, J., & Dyck, D. (May, 2013). *Preliminary results: High-density lipoprotein is predictive of superior cognitive function in older adults with mild cognitive impairment.* Presented at the 25th annual meeting of the Association for Psychological Science, Washington, DC.

113. Fanale, C.M., Eldridge, D., Wright, B., Schmitter-Edgecombe, M., Warren, L., Banasik, J., & Dyck, D. (May, 2013). *Preliminary results for the effects of a psychoeducational intervention upon physiological markers associated with cognitive impairment.* Presented at the 25th annual meeting of the Association for Psychological Science, Washington, DC.

112. Fritz, R. L., Doty, K., Mavana, N., Schmitter-Edgecombe, M., & Cook, D. (April, 2013). *Detecting cognitive decline using smart home technology*. Presented at the 46th annual meeting of the Western Institute of Nursing, Anaheim, CA.

111. Robertson, K., Fuller, S., & Schmitter-Edgecombe, M. (February, 2013). *Examination of attentional deficits following traumatic brain injury.* Presented at the 41st annual meeting of the International Neuropsychological Society, Kona, Hawaii.

110. Schmitter-Edgecombe, M., Parsey, C., McAlister, C., Weakley, A. & Cook, D. J. (February, 2013). *Functional impairment and cognitive correlates of performance: aging and mild cognitive impairment.* Symposia presented at the 41st annual meeting of the International Neuropsychological Society, Kona, Hawaii.

109. Seelye, A., Schmitter-Edgecombe, M., & Cook, D. J. (February, 2013). *Technology based prompting for instrumental activities of daily living in healthy aging, mild cognitive impairment and dementia.* Presented at the 41st annual meeting of the International Neuropsychological Society, Kona, Hawaii.

108. Weakley, A., Schmitter-Edgecombe, M., & Anderson, J. (February, 2013). *Analysis of verbal fluency in mild cognitive impairment.* To be presented at the 41st annual meeting of the International Neuropsychological Society, Kona, Hawaii.

107. Parsey, C., M., & Schmitter-Edgecombe, M. (February, 2013). *Direct observation of instrumental activities of daily living in normal aging, mild cognitive impairment, and dementia.* Presented at the 41st annual meeting of the International Neuropsychological Society, Kona, Hawaii.

106. Schmitter-Edgecombe, M., Sanders, C., Low, C., Warren, L., Norell, D., Wu, L, & Dyck, D. (July 2012). *An integrated cognitive rehabilitation multi-family group intervention for individuals with mild cognitive impairment and their care partners: preliminary data*. Presented at the Alzheimer’s Association International Conference, Vancouver, WA. (also presented at Spokane showcase, March, 2013).

105. Parsey, C., Schmitter-Edgecombe, M., & Belenky, G. (June, 2012). *Sleep and everyday functioning in a cognitively healthy older adult population*. Presented at the 10th Annual Conference of the American Academy of Clinical Neuropsychology, Seattle, WA.

104. Tam, J., Schmitter-Edgecombe, M. (June, 2012). *Incidental memory in individuals with amnestic mild cognitive impairment (aMCI) and non-amnestic mild cognitive impairment (non-aMCI)*. Presented at the 10th Annual Conference of the American Academy of Clinical Neuropsychology, Seattle, WA.

103. McAlister, C., Weakley, A. & Schmitter-Edgecombe, M., (June, 2012). *Naturalistic assessment of everyday functioning in individuals with mild cognitive impairment: the day out task*. Presented at the 10th Annual Conference of the American Academy of Clinical Neuropsychology, Seattle, WA.

102. Schmitter-Edgecombe, M. (May, 2012). *Smart home technology – current application and data extrapolation*. Presented as part of a symposium entitled: Update in Smart Home Technologies: “Getting Smarter as we Age” at the Annual Scientific Meeting of the American Geriatric Society, Seattle, WA.

101. Tam, J. W., Creamer, S., & Schmitter-Edgecombe, M. (February, 2012). *The role of processing speed in the Brief Visuospatial Memory Test (BVMT)*. Presented at the 40th annual meeting of the International Neuropsychological Society, Montreal, CA.

100. Seelye, A. M., Smith, A., Schmitter-Edgecombe, M., & Cook, D. (February, 2012). *A graded hierarchy of prompts to assist healthy older adults in completion of instrumental activities of daily living in a smart environment*. Presented at the 40th annual meeting of the International Neuropsychological Society, Montreal, CA.

**99. Das, B.**, Thomas, B., Seelye, A. Cook, D., Holder, L. & Schmitter-Edgecombe, M. (January 2012), [*Context-Aware Prompting From Your Smart Phone*](http://eecs.wsu.edu/~bdas1/Publications/CCNC2012_Demo.pdf), Presented at the IEEE Consumer Communications and Networking Conference Demonstration, Las Vegas, NV, USA, 2012.

98. Schmitter-Edgecombe, M., Parsey, C., & Cook, D. (November, 2011). *Cognitive correlates of functional performance in older adults: comparison of self-report, direct observation and performance-based measures*. Presented at the 31st annual meeting of the National Academy of Neuropsychology, Marco Island, FL.

97. Sanders, C., Kovacs, M., Walton, B., & Schmitter-Edgecombe, M. (November, 2011). *Identifying the nature of impairment in planning ability with normal aging*. Presented at the 31st annual meeting of the National Academy of Neuropsychology, Marco Island, FL.

96. McAlister, C., Tam, J., & Schmitter-Edgecombe, M. (November, 2011). *An ecologically valid assessment of executive function in healthy older adults: the day out task*. Presented at the 31st annual meeting of the National Academy of Neuropsychology, Marco Island, FL.

95. Tam, J., McAlister, C., & Schmitter-Edgecombe, M. (November, 2011). *Prospective memory and everyday memory lapses in individuals with mild cognitive impairment*. Presented at the 31st annual meeting of the National Academy of Neuropsychology, Marco Island, FL. (also presented at WSU showcase, April 2013).

94. Parsey, C., Dawadi, P., Schmitter-Edgecombe, M., & Cook, D. (June, 2011). *Measures of everyday functioning in a smart environment: An evaluation of direct observation and data mining techniques.* Presented at the Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, Canada.

93. Aguilar, C., Anderson, J. W., & Schmitter-Edgecombe, M. (April, 2011*). The (lack of) relationship between working memory and verbal time estimation.* Presented at the ninety first annual meeting of the Western Psychological Association, Los Angeles, CA.

92. Parsey, C., Schmitter-Edgecombe, M., Hulbert, A., & Cook, D. (February, 2011*). Effects of normal aging on instrumental activities of daily living in a smart environment.* Presented at the thirty-ninth annual meeting of the International Neuropsychological Society, Boston MA.

91. Seeyle, A., Smith, A., Schmitter-Edgecombe, M., & Cook, C. J. (October, 2010). *Cueing technologies for assisting persons with mild cognitive impairment in IADL completion in an experimenter-assisted smart environment.* Presented at the 30th annual meeting of the National Academy of Neuropsychology, Vancouver, BC.

90. Creamer, S., Reynold-Boyle, I., & Schmitter-Edgecombe, M. (October, 2010). *WAIS-III performances of adult ADHD and clinical controls.* Presented at the 30th annual meeting of the National Academy of Neuropsychology, Vancouver, BC.

89. Barsuglia, J. P., Woo, E., Yi, D., Schmitter-Edgecombe, M., Wright, M. J., Andersh, L., Lu, P. (July, 2010). *The role of attention in story memory in mild cognitive impairment.* Presented at the Alzheimer’s disease International Conference, Honolulu, Hawaii.

88. Parsey, C., Srinivasan, R., Schmitter-Edgecombe, M., & Cook, D. (May, 2010). *Monitoring activity with actigraph and motion-sensor data in a smart environment*. Presented at the 7th annual work conference of the International Society for Gerontechnology, Vancouver, CA.

87. Parsey, C., Schmitter-Edgecombe, M., Foltz, L., Hansen, N., Cook, D., & Belenky, G. (June, 2010). *Sleep/wake patterns in Mild Cognitive Impairment: A preliminary study of sleep disturbance in transitional cognitive decline*. Presented at the 24th Annual Meeting of the Associated Professional Sleep Societies, San Antonio, TX.

86. Schmitter-Edgecombe, M., Rashida, P., Cook, D., & Holder, L. (March, 2010). *Discovering and tracking activities of daily living using smart environment technologies.* Presented at the annual meeting of the American Association for Geriatric Psychiatry, Savannah, GA.

85. Barsuglia, J. P., Yi, D., M., Woo, E., Schmitter-Edgecombe, M., Wright, Lu, P.H. & Andersh, L. (March, 2010). *Thematic cueing for story recall in mild cognitive impairment.* Presented at the twenty-first annual meeting of the American Neuropsychiatric Association, Tampa, FL.

84. Wright, M. J., Schmitter-Edgecombe, M., Woo, E., Kim, H & Mikael, M. (March, 2010). *Verbal Memory Impairment in Severe Closed-Head Injury: The Role of Encoding* *and Consolidation.* Presented at the twenty-first annual meeting of the American Neuropsychiatric Association, Tampa, FL.

83. Pavawalla, S., Schmitter-Edgecombe, M., Smith, R. E., Auger, R., Green, S., Summerville, J., & Pooni, H. (February, 2010). *Prospective memory following moderate to severe traumatic brain injury: A formal multinomial modeling approach.* Presented at the Thirty-eight annual meeting of the International Neuropsychological Society, Acapulco, Mexico.

82. Cook, D., & Schmitter-Edgecombe, M. (August, 2009). *Smart home-based platform for functional monitoring and intervention.* Presented at the Second annual Life Sciences Discovery Fund and the Washington Biomedical and Biotechnology Association open house, Seattle, WA.

81. Seeyle, A. M., & Schmitter-Edgecombe, M. (June, 2009). *Memory self-awareness and self-monitoring in persons with Alzheimer’s disease.* Presented at the Seventh annual meeting of the American Academy of Clinical Neuropsychology, San Diego, California. \*\*received student poster award

80. Wright, M. J., Woo, E., Schmitter-Edgecombe, M., Hinkin, C. H., Miller, E. N. & Gooding, A. L. (February, 2009). *To introduce and evaluate the Item-Specific Deficit Approach (ISDA), a novel method for characterizing memory deficits*. Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

79. Seelye, A., Flores, J. & Schmitter-Edgecombe, M. (February, 2009). *Episodic memory predictions in persons with amnestic and non-amnestic mild cognitive impairment*. Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

78. Schmitter-Edgecombe, M., Sanders, C., Andersh, L. & Cook, D. (February, 2009). *Profiling Activities of Daily Living using Pervasive Sensing in a Smart Environment*. Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

77. Creamer, S. & Schmitter-Edgecombe, M. (February, 2009). *Narrative Comprehension in Mild Cognitive Impairment: Assessing Inferences and Memory Operations with a Think-aloud Procedure*. Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

76. Rueda, A., Parsey, C. & Schmitter-Edgecombe, M. *Clock Drawing in Healthy Aging and Mild Cognitive Impairment.* (February, 2009). Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

75. McDonald, R., Mytinger, A., Hulbert, A. & Schmitter-Edgecombe, M. *Analysis of Verbal Fluency in Alzheimer’s disease.* (February, 2009). Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

74. Anderson, J., Coukoulis, V. & Schmitter-Edgecombe, M*.* (February, 2009). *The Recovery of Time Estimation following Moderate to Severe Traumatic Brain Injury.* Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

73. Livengood, M. Anderson, J. & Schmitter-Edgecombe, M. (February, 2009). *Memory Self-Awareness following TBI: Evaluating “offline assessment” and “online assessment” methodologies.* Presented at the Thirty-seventh annual meeting of the International Neuropsychological Society, Atlanta, Georgia.

72. Singla, G., Cook, D., & Schmitter-Edgecombe, M. (July, 2008). *Incorporating temporal reasoning into activity recognition for smart home residents.* Presented at the AAAI Workshop on Spatial and Temporal Reasoning, Chicago, IL.

71. Howard, J. & Schmitter-Edgecombe, M. (April, 2008). *Memory Awareness in a Mild Cognitive Impairment Sample*. Presented at the 10th Annual Rehabilitation Psychology Conference, Tucson, AZ.

70. McDonald, R. & Schmitter-Edgecombe, M. (April, 2008). *Analysis of verbal fluency in early recovery from Traumatic Brain Injury.* Presented at the 10th Annual Rehabilitation Psychology Conference, Tucson, AZ.

69. Schmitter-Edgecombe, M., Woo, E., & Greeley, D. (April, 2008). *Memory deficits, everyday functioning, and mild cognitive impairment.* Presented at the 10th Annual Rehabilitation Psychology Conference, Tucson, AZ.

68. Rueda, A., & Schmitter-Edgecombe, M. (February, 2008). *Time Estimation in Alzheimer’s Disease.* Presented at the Thirty-sixth annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

67. Creamer, S., & Schmitter-Edgecombe, M. (February, 2008). *Narrative Comprehension in Alzheimer’s Disease: Assessing Inferences and Memory Operations with a Think-aloud Procedure.* Presented at the Thirty-sixth annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

66. Anderson, J., & Schmitter-Edgecombe, M. (February, 2008). *Attentional Control and Variability Following Closed-head Injury*. Presented at the Thirty-sixth annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

65. Schmitter-Edgecombe, M., Pavawalla, S., Howell, L., Howard, J., & Rueda, A. (February, 2008). *Efficacy of a Memory Notebook Intervention for Persons with Early-Stage Dementia*. Presented at the Thirty-sixth annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

64. McWilliams, J., & Schmitter-Edgecombe, M. (February, 2008). *Access to Semantic Knowledge during Early Stage Recovery from Traumatic Brain Injury*. Presented at the Thirty-sixth annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

63. Cook, D., Schmitter-Edgecombe, E., & Crandall, A. (November, 2007). *Smart environment support to assist elder adults and people with disabilities*. Presented at the Assisted Cognition Workshop, Rochester, New York.

62. Langill, M., & Schmitter-Edgecombe, M. (May, 2007). *Memory notebook training for very mild dementia: A case stud*y. Presented at the Thirty-third annual meeting of the Association for Behavioral Analysis International, San Diego, CA.

61. Rueda, A. & Schmitter-Edgecombe, M. (February, 2007). *Time Estimation in Healthy Older Adults and Very Mild Dementia.* Presented at the Thirty-fifth annual meeting of the International Neuropsychological Society, Portland, Oregon.

60. Anderson, M. & Schmitter-Edgecombe, M. (February, 2007). *Memory predictions for episodic memory tasks in early recovery following severe traumatic brain injury.* Presented at the Thirty-fifth annual meeting of the International Neuropsychological Society, Portland, Oregon.

59. Schmitter-Edgecombe, M., Anderson, J., & Creamer, S. (February, 2007). *Very Mild Dementia and Feeling-of-knowing in Episodic Memory.* Presented at the Thirty-fifth annual meeting of the International Neuropsychological Society, Portland, Oregon.

58. Langill, M., Sanders, C., & Schmitter-Edgecombe, M. (February, 2007). *Task switching in Very Mild Dementia.* Presented at the Thirty-fifth annual meeting of the International Neuropsychological Society, Portland, Oregon.

57. Pavawalla, S., Wiems, J. & Schmitter-Edgecombe, M. (February, 2007). *Monitoring Behavior on a Time-based Prospective Memory Task Following Traumatic Brain Injury.* Presented at the Thirty-fifth annual meeting of the International Neuropsychological Society, Portland, Oregon.

56. Kayne-Langill, M., & Schmitter-Edgecombe, M. (April, 2006). *Investigation of Articulatory Suppression and Response Set Interval in Task Switching.* Presented at the Thirteenth annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

55. Rueda, A., Schmitter-Edgecombe, M., & Nugen, M. (April, 2006). *Time Estimation Following Closed Head Injury*. Presented at the Thirteenth annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

54. Pavawalla, S., & Schmitter-Edgecombe, M. (April, 2006). *Activity-Based Prospective Memory Following Closed-Head Injury*. Presented at the Thirteenth annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

53. Anderson, J., & Schmitter-Edgecombe, M. (April, 2006). *Severe Closed-head Injury and Feeling-of-knowing in Episodic Memory*. Presented at the Thirteenth annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

52. Woo, E., Schmitter-Edgecombe, M., Hollenback, E., Benegas, J., & Curren, A. (February, 2006). *Cognitive support for verbal episodic memory in older adults*. Presented at the Thirty-fourth annual meeting of the International Neuropsychological Society, Boston, MA.

51. Wright, M., Schmitter-Edgecombe, & Curren, A. (February, 2006). *Investigating the foundations of verbal memory dysfunction following high-velocity closed-head injury: An application of the Item Specific Deficit Approach to the CVLT*. Presented at the Thirty-fourth annual meeting of the International Neuropsychological Society, Boston, MA.

50. Schmitter-Edgecombe, M., & Kayne-Langill, M. (October, 2005). *Set shifting following severe closed-head injury*. Presented at the Twenty-fifth annual meeting of the National Academy of Neuropsychology, Tampa, Florida.

49. Schmitter-Edgecombe, M. (April, 2005). *Implications of basic science research for brain injury remediation: a focus on intact learning mechanisms.* Invited presentation at the Galveston Brain Injury Conference, Galveston, Texas.

48. Pavawalla, S. & Schmitter-Edgecombe, M. (February, 2005). *Long-term retention of skilled visual search following severe closed-head injury*. Presented at the Thirty-third annual meeting of the International Neuropsychological Society, St. Louis, Missouri.

47. Schmitter-Edgecombe, M., & Kayne, M. (February, 2005). *Costs of predictable switch between simple cognitive tasks following severe closed-head injury*. Presented at the Thirty-third annual meeting of the International Neuropsychological Society, St. Louis, Missouri.

46. Schmitter-Edgecombe, M., Woo, E., & Kayne, M. (November, 2004). *Cross-sectional and Longitudinal Analyses of Everyday Memory Lapses in Older and Younger Adults*. Presented at the Fifty-seventh annual meeting of the The Gerontological Society of America, Washington, D.C.

45. Chaytor, N. S., Schmitter-Edgecombe, M., & Burr, R. November, 2004). *Improving the ecological validity of executive functioning tests*. Presented at the Twenty-fourth annual meeting of the National Academy of Neuropsychology, Seattle, WA.

44. Bales, J., Ramirez, C., Ames, C., & Schmitter-Edgecombe, M. (April, 2004). *Understanding text: on-line inferences and memory operations after severe closed-head injury*. Presented at to the Eleventh annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

43. Kayne, M., Woo, E., & Schmitter-Edgecombe, M. (April, 2004). *Memory self-awareness and memory self-monitoring after severe closed-head injury*. Presented at the Eleventh annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

42.Schmitter-Edgecombe, M., & Wright, M. (April, 2004). *Event-based prospective memory following severe closed-head injury*. Presented at the Eleventh annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

41. Nissley, H. M., & Schmitter-Edgecombe, M. (February, 2004). *The effects of divided attention on encoding and retrieval in severe closed-head injury patients*. Pesented at the Thirty-second annual meeting of the International Neuropsychological Society, Baltimore, Maryland.

40. Woo, E., & Schmitter-Edgecombe, M. (February, 2004). *Memory prediction accuracy in younger and older adults*. Presented at the Thirty-second annual meeting of the International Neuropsychological Society, Baltimore, Maryland.

39. Wright, E., & Schmitter-Edgecombe, M. (February, 2004). *Content, source, and temporal order memory for performed and observed activities following severe closed-head injury*. Presented at the Thirty-second annual meeting of the International Neuropsychological Society, Baltimore, Maryland.

38. Schmitter-Edgecombe, M., Marks, W., Wright, M. & Ventura, M. (February, 2003). *Retrieval inhibition in directed forgetting following severe closed-head injury*. Paper presented at the Thirty-first annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

37. Woo, E. & Schmitter-Edgecombe, M. (February, 2003). *Effects of age and divided attention on memory components of a conceptual task*. Presented at the Thirty-first annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

36. Wright, M. J., Schmitter-Edgecombe, M., & Nissley, H. M. (April, 2002). *Content memory and temporal order memory for performed activities following severe closed head injury*. Presented at the Ninth annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

35. Schmitter-Edgecombe, M., Woo, E., & Chaytor, N. (April, 2002). *Self-ordered pointing performance following severe closed-head injury*. Presented at the Ninth annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

34. Chaytor, N., & Schmitter-Edgecombe, M. (February, 2002). *Working memory and aging: A cross-sectional and longitudinal analysis.* Presented at the Thirtieth annual meeting of the International Neuropsychological Society, Toronto, Ontario.

33. Chaytor, N., Nissley, H. M., & Schmitter-Edgecombe, M. (October, 2001). *Impact of strategy use on measures of list learning and recall in older adults*. Presented at the Twenty-first annual meeting of the National Academy of Neuropsychology, San Francisco, CA.

32. Nissley, H. M., & Schmitter-Edgecombe, M. (February, 2001). *Perceptually based implicit learning following closed head injury*. Paper presented at the Twenty-ninth annual meeting of the International Neuropsychological Society, Chicago, Illinois.

31. Schmitter-Edgecombe, M., & Nissley, H. M. (October, 2000). *Effects of divided attention on automatic and controlled components of memory following severe closed-head injury*. Paper presented at the Thirty-first annual meeting of the Psychonomic Society.

30. Whitney, P., & Schmitter-Edgecombe, M. (April, 2000). *Memory deficits and language comprehension: Discourse processing following severe closed-head injury.* Presented at the Seventh annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

29. Simpson, A., & Schmitter-Edgecombe, M. (February, 2000) *Evaluation of inhibitory attentional mechanisms following severe closed-head injury.* Presented at the Twenty-eighth annual meeting of the International Neuropsychological Society, Denver, Colorado.

28. Chaytor, N., & Schmitter-Edgecombe, M. (February, 2000). *The influence of strategy use on working memory performance in older adults.* Presented at the Twenty-eighth annual meeting of the International Neuropsychological Society, Denver, Colorado. \*\*received student poster award

27. Schmitter-Edgecombe, M., Beglinger, L., & Rogers, W. (February, 2000). *Acquisition of skilled visual search performance following severe closed-head injury.* Presented at the Twenty-eighth annual meeting of the International Neuropsychological Society, Denver, Colorado.

26. Nissely, H., & Schmitter-Edgecombe, M. (October, 1999). *Strategy use of older adults on the Ruff Figural Fluency Test*. Presented at the Nineteenth annual meeting of the National Academy of Neuropsychology, San Antonio, TX.

25. Schmitter-Edgecombe, M. (1998, October). *Age-differences in the use of everyday memory strategies*. Presented at the Eighteenth annual meeting of the National Academy of Neuropsychology, Washington, D.C.

24. Schmitter-Edgecombe, M., & Simpson, A. (1998, February). *Age differences in the effects of divided attention on automatic and controlled aspects of memory: An application of the process dissociation framework*. Paper presented at the Twenty-sixth annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

23. Karl, T. F., & Schmitter-Edgecombe, M. (1998, February). *Relevancy and reasoning: Changes across the lifespan*. Presented at the Twenty-sixth annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

22. Simpson, A., & Schmitter-Edgecombe, M. (1998, February). *Memory for the recall and temporal order of activities: Aging and automaticity*. Presented at the Twenty-sixth annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

21. Schmitter-Edgecombe, M., & Karl, T. (1997, November). *Unconscious acquisition and processing of covariations in older adults.* Presented at the Thirty-eighth annual meeting of the Psychonomic Society, Philadelphia, Pennsylvania.

20. Vesneski, M., Schmitter-Edgecombe, M., & Jones, D. (1997, November). *Aging and word finding: A comparison of discourse and nondiscourse tests.* Presented at the Seventeenth annual meeting of the National Academy of Neuropsychology, Las Vegas, Nevada.

19. Karl, T., Schmitter-Edgecombe, M., & Simpson, A. (1997, November). *Everyday memory failures reported by older and younger adults*. Presented at the Seventeenth annual meeting of the National Academy of Neuropsychology, Las Vegas, Nevada.

18. Schmitter-Edgecombe, M., & Rogers, W. A. (1997, February). *Automatic process development following severe closed head injury*. Presented at the Twenty-fifth annual meeting of the International Neuropsychological Society, Orlando, Florida.

17. Schmitter-Edgecombe, M. (1996, October). *Effects of divided attention on perceptual and conceptual memory test performance: A process dissociation framework.* Presented at the Thirty-seventh annual meeting of the Psychonomic Society, Chicago, Illinois.

16. Schmitter-Edgecombe, M. (1996, August). *The effects of traumatic brain injury on automatic processing.* Paper presented at the One-hundred and fourth annual meeting of the American Psychological Association as part of a symposium entitled “Cognitive Neuroscience Applications to the study of Traumatic Brain Injury”.

15. Schmitter-Edgecombe, M. & McConnell, J. (1995, November). *The effects of divided attention on conceptual and perceptual memory tests.* Presented at the Fifteenth annual meeting of the National Academy of Neuropsychology, San Francisco, California.

14. McConnell, J., & Schmitter-Edgecombe, M. (1995, November). *Effects of severe closed head injury on metamemory.* Presented at the Fifteenth annual meeting of the National Academy of Neuropsychology, San Francisco, California.

13. Kibby, M. Y., Schmitter-Edgecombe, M., & Long, C. J. (1995, November). *The relationships between measures of auditory verbal learning and executive functioning in closed head injury.* Presented at the Fifteenth Meeting of the National Academy of Neuropsychology, San Francisco, California.

12. Schmitter-Edgecombe, M. (1995, February). *The effects of divided attention on the implicit and explicit memory performance following severe closed head injury.* Paper presented at the Twenty-third annual meeting of the International Neuropsychological Society, Seattle, Washington.

11. Fahy, J. F., Marks, W., Schmitter-Edgecombe, M., & Long, C. J. (1995, February). *Dissociations among memory tests following severe closed head injury: Memory system theory versus a processing framework.*  Paper presented at the Twenty-third annual meeting of the International Neuropsychological Society, Seattle, Washington.

10. Kibby, M. Y., Schmitter-Edgecombe, M. E., & Long, C. J. (1994, November). *The California Verbal Learning Test as a measure of memory functioning in severely head-injured adults and neurologically normal controls.* Presented at the Fourteenth annual meeting of the National Academy of Neuropsychology, Orlando, Florida.

9. Schmitter-Edgecombe, M., (1994, February). *The effects of divided attention on implicit and explicit memory performance.* Paper presented at the Twenty-second annual meeting of the International Neuropsychological Society, Cincinnati, Ohio.

8. Schmitter-Edgecombe, M., Kibby, M., & Long, C. J. (1993, October). *Visual selection following severe closed head injury: Focused and divided attention.* Presented at the Thirteenth annual meeting of the National Academy of Neuropsychology, Phoenix, Arizona.

7. Kibby, M., Schmitter-Edgecombe, M., & Long, C. J. (1993, October). *The relationship between neuropsychological tests and measures of activities of daily living and work performance.* Presented at the Thirteenth annual meeting of the National Academy of Neuropsychology, Phoenix, Arizona.

6. Schmitter-Edgecombe, M., Fahy, J. F., Whelan, J. P., & Long, C. J. (1992, November). *Memory remediation after severe head trauma: Notebook training versus supportive therapy.* Presented at the Twelfth annual meeting of the National Academy of Neuropsychology, Pittsburgh, Pennsylvania.

5. Schmitter, M. E., Fahy, J. F., Marks, W., & Long, C. J. (1991, November). *Semantic priming following severe closed-head trauma: Automatic and attentional process.* Presented at the Eleventh annual meeting of the National Academy of Neuropsychology, Dallas, Texas.

4. Schmitter, M. E., Fahy, J. F., Marks, W., & Long, C. J. (1990, November). *The effects of severe closed-head trauma on three stages of information processing.* Presented at the Tenth annual meeting of the National Academy of Neuropsychology, Reno, Nevada.

3. Fahy, J. F., Schmitter, M. E., Turgeon, A. L., & Long, C. J. (1990, November). *Prospective memory after traumatic brain injury.* Presented at the Tenth annual meeting of the National Academy of Neuropsychology, Reno, Nevada.

2. Schmitter, M. E., Jones, C. L., & Long, C. J. (1989, November). *A conceptualization of the neuropsychological functions measured by simple and choice reaction time.* Presented at the Ninth annual meeting of the National Academy of Neuropsychology, Washington, D. C.

1. Jones, C. L., Schmitter, M. E., & Long, C. J. (1989, November). *The role of demographic variables in the interpretation of simple and choice reaction time.* Presented at the Ninth annual meeting of the National Academy of Neuropsychology, Washington, D. C.

**RECENT INVITED TALKS**

*Extending the functional independence of the aging population: Smart technologies for health assessment and intervention*. Invited presentation for Rehabilitation Research at NIH: Moving the Field Forward (May, 2016; Bethesda, MD).

*Supporting everyday functioning in the aging population: assistive technologies, brain fitness and smart environment*. Invited presentation Whitman Senior Living Professional services Night (July, 2015; Pullman, WA).

*Clinical Translation: Smart Technologies for Health Assessment and Intervention*. Invited keynote talk for workshop on Smart Environments at 2015 Percom conference (March, 2015; St. Louis, MI).

*Everyday Functioning and Smart Technologies*. Invited talk presented at Drexel University (November, 2014; Philadelphia, PA).

*Direct Observation and Smart Technologies in the Aging Population*. Invited talk presented as part of J&J workshop on functional status measurement (November, 2014; Philadelphia, PA).

*Smart Technologies and Everyday Functioning in the Aging Population*. Invited workshop to be presented at the Washington Occupational Therapy Association Conference (October, 2014; Spokane, WA).

*Technologies to support independence across the continuum of prevention for cognitive aging*. Invited presentation at the CCC Aging in Place Workshop (September, 2014; Bethesda, MD).

*Update on Alzheimer’s research*. Invited presentation at the 3rd annual Early Stage Memory Loss Forum (March, 2014; Seattle, WA)

*Non-pharmacological living with Alzheimer’s disease*. Invited workshop presented at the 3rd annual Early Stage Memory Loss Forum (March, 2014; Seattle, WA)

*Aging and everyday functioning: measurement, correlates and intervention*. Invited workshop presented at the 42nd annual meeting of the International Neuropsychological Society (February, 2014; Seattle, WA).

*Ecologically valid methods of assessment in neuropsychology*. Invited symposium speaker presentation at the 42nd annual meeting of the International Neuropsychological Society(February, 2014; Seattle, WA).

*Aging and everyday functioning: cognitive abilities and smart technologies.* Invited talk presented at Simon Frasier University (December, 2013; Vancouver, BC).

*Everyday functioning in older adults.* Invited workshop presented at the 33rd annual meeting of the National Academy of Neuropsychology (October, 2013; San Diego, CA).

*Research in dementia.* Presented to the Women with Parkinson’s disease support group (October, 2013; Spokane, WA).

*Aging in place: Developing interventions for individuals experiencing memory problems and their care-partner.* Presented to the Alzheimer’s Association Board of Eastern Washington (January, 2013, Spokane, WA).

*A cognitive rehabilitation multi-family group intervention for individuals with mild cognitive impairment and their care-partner.* Presented to the Alzheimer’s Association Research Roundtable (AARR; September, 2012, Washington DC). Selected as the 2010 International Research Grant awardee by the AARR.

*Aging in place: Developing smart environment technologies for health assessment and assistance.* (June, 2012; Seattle, WA). Presentation made to Horizon House retirement community in Seattle.

*Aging in place: Interventions for individuals experiencing memory difficulties and their families.* (May, 2012; Pullman, WA). Presentation made to the Kiwanis Club of Pullman.

*Update on treatment and research in dementia*. (May, 2012; Pullman, WA). Presentation made as part of theAlzheimer Association series, Eastern WA.

*Aging in place: Developing smart environment technologies for health assessment and assistance.* (March, 2012; Birmingham Alabama, WA). Presentation made at the University of Alabama Grand Round series.

*Multi-family group interventions for individuals with mild cognitive impairment and traumatic brain injury.* (February, 2012; Spokane, WA). Presentation made at the WSU Spokane Chancellors’ Research Breakfast Series.

*The future of aging in place: Living independently longer.* (November, 2011; Pullman, WA). Presentation made to the Pullman Rotary Club.

*The future of aging in place*. (May, 2011; Ellensburg, WA). Presentation made at the Washington State Association of Senior Centers Conference (WSASC).

*Latest treatment and research in dementia*. (April, 2011; Moscow, Idaho). Presentation made as part of theAlzheimer Association series, Eastern WA.

*Aging in place: Interventions for individuals experiencing memory difficulties and their families.* (March, 2011; Spokane, WA). Presentation made to National Active and Retired Employees Association (NARFE).

*The future of aging in place: Living independently longer.* (March, 2011; Pullman, WA). Presentation made to the Pullman Senior Center.

*The future of aging in place: Living independently longer.* (March, 2011; Pullman, WA). Presentation made to Prostate Cancer Support Group.

*Interventions for individuals experiencing memory difficulties and their families.* (January, 2011; Clarkston, WA). Presentation made to Aging and Long-term Care and the Area Association on Aging.

*The future of aging in place: Merging of psychology and technology to help us live independently longer.* (December, 2010; Seattle, WA). WSU Innovators Series.

*Development of smart environment technologies for health monitoring and assistance.* (October, 2010; Vancouver, BC). Continuing Education Special Topics Presentation at the 40th annual meeting of the National Academy of Neuropsychology.

*Managing mild cognitive impairment and retaining safe and independent living*. (June, 2010; Bethesda, MD). Workshop on Personal Motion Technologies for Healthy Independent Living. Sponsored by NIH: NIA & NIBIB.

*Aging and dementia: memory, everyday activities, and intervention*. (April, 2010; Pullman, WA). Keynote presenter at the annual WSU psychology research forum.

*Characterizing dementias and discussing WSU smart home research*. (March 2010, Spokane WA). Presentation made to the Spokane Parkinson’s disease Association.

*Alzheimer’s disease and mild cognitive impairment* (June 2009; Moscow ID). Interview segment for Go Cognitive Educational Tools for Cognitive Neuroscience on line at: goCognitive.net.

*Specific memory impairments in dementia and mild cognitive impairment*. (June 2009; Moscow ID). Interview segment for Go Cognitive Educational Tools for Cognitive Neuroscience on line at: goCognitive.net.

*Intervention strategies for patients with mild cognitive impairment and dementia*. (June 2009; Moscow ID). Interview segment for Go Cognitive Educational Tools for Cognitive Neuroscience on line at: goCognitive.net.

*Characterizing dementias and a memory notebook interventions*. (December, 2008; Pullman, WA). Alzheimer’s dementia speaker series. Spokane Alzheimer’s Association.

*Dementias and communicating with people with cognitive disorders*. (October, 2007; Spokane, WA). Washington State continuing education series.

*Early stage dementia: multiple memory deficits and intervention.* (September, 2007; Fargo, ND). University of North Dakota psychology forum speaker’s series.

**COMMITTEE WORK**

NIH Panel, Alzheimer’s disease Centers Program review, March 2016-

Committee Member, WSU Smart Systems Grand Challenges, Summer 2015-

Board Member, WSU Educational Neurocognitive Lab, Spring 2015-

Board Member, WSU Smart Environments Research Center (SERC), Spring 2014-

Program Committee, Smart Health Systems and Applications ACM UbiComp Workshop, Spring 2014, Spring 2015

Program Committee, International Neuropsychological Society mid-year meeting, Spring 2014

Member, Pullman Community Council on Aging (Fall 2013- )

Board Member, National Board of Directors for the Center for Innovation, Pullman Memorial Hospital, Pullman, WA (2013 - )

Member, National Academy of Neuropsychology Grants award Committee (2013-2014)

Chair, National Academy of Neuropsychology Grants award Committee (2014-)

Member, CMS Community-based Care Transitions Technical Expert Panel (Spring, 2013-)

Member, Graduate School Scholarship Review Committee (Spring, 2013-)

Board Member, Association of Doctoral Education in Clinical Neuropsychology (2012-)

Chair, Health Search Committee (Fall, 2012-Sprung 2013)

Member, Clinical Search Committee (Fall, 2012)

Member, Leadership Council, Inland Northwest Chapter Alzheimer’s Association (Fall, 2011-)

Member, Provost’s Advisory Committee on Tenure and Promotion (Fall, 2011 - )

Chair, Marianna Merritt and Donald S. Matteson Distinguished Professorship in Foreign Language and Cultures (2011-2012)

Member, Clinical Search Committee, Psychology Clinic (Fall, 2011-12)

Member, CLA Grants Committee (Fall, 2010 - )

Member, CO Johnson Awards Selection Committee, Spring 2011

Member, Nominating Committee, Faculty Status Committee, Spring 2011

Member, CLA Initiative for Global Innovative Studies (Fall, 2010 - )

Member, Program Committee, INS Mid Winter Meeting 2010

Member, Clinical Search Committee (Fall, 2009)

Reviewer, WSU Spokane Seed Grants (Summer, 2007)

Member, Seed Grant Review Panel, WSU, Pullman (Spring, 2007)

Member, CLA Committee for Research and Arts (Fall 2006-present)

Member, CLA Mission Statement Committee (Fall 2005)

Member, CLA Grant Development Committee (Fall 2005-present)

Member, Tri-Cities Search Committee (Fall 2005-present)

Member, Clinical Search Committee (Fall 2005-Spring 2006)

Chair, Meyer Professorship Awards Committee (Spring, 2005)

Member, Graduate Mentor Academy (Fall 2004 – present)

Member, Safety Committee (Fall 2004-present)

Director of Clinical Training (Fall 2003-Summer 2004)

Member, Dean’s Advisory Committee on Tenure and Promotion (Fall 2003-Spring, 2005)

Co Director of Clinical Training (Fall 2002-Summer 2003)

Interim Director of Clinical Training (Fall 2000 – Summer 2001)

Member, Graduate, Research and Professional Education University Strategic Planning Design Team (Fall 2000-Spring 2001)

Graduate Teaching Mentor (Fall 2000-Spring 2001)

Chair, Tenure Guidance Committees (Fall 2000 – Fall 2001; Fall 2002-Summer 2004)

Member, Tenure Guidance Committees (Fall 2004-present)

Member, Undergraduate Studies Committee (Fall 2000 – Fall 2001; Fall 2002-present)

Chair, Clinical Search Committee (Fall 1999 – Fall 2001; Fall 2003-Fall 2004)

Member, Clinical Search Committee (Fall 1994 - Spring 1998)

Member, Community Service Learning Center Advisory Board (Fall, 1998 – present)

Colloquium Committee, Co-Chair (Summer 1997 – Fall 2000)

Chair, Student Awards Committee (Spring, 1996 – present)

Chair, Departmental Ethics Committee (Fall 1995 – Fall 2001)

Member, Departmental Ethics Committee (Fall 1994-1995; Fall 2002-present)

Chair, Clinical Graduate Student Recruitment (Spring 2002- Spring 2004)

Member, Clinical Graduate Student Recruitment (Spring 1995 – Spring 2001; Spring 2005-present)

Executive Committee (Fall 1996 - Fall 1997; Fall 2000-Fall 2001; Fall 2002-Fall 2004)

**TEACHING EXPERIENCE**

Graduate Courses Taught

Gerontechnology

Professional, Ethical, and Legal Issues in Clinical Psychology

Foundations of Neuropsychology

Clinical Practicum Supervision

Neuropsychological Assessment Practicum Supervision

Undergraduate Courses Taught

Gerontechnology

Cognition and Memory

Honors Introductory Psychology

Psychology and Aging