

TRACY LYNN MITZNER, P.H.D.

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EDUCATION

Georgia Institute of Technology, School of Psychology, Atlanta, Georgia

Post-doctoral Fellowship in Cognitive Aging, September 2001- September 2003

University of Kansas, Department of Psychology, Lawrence, Kansas

Doctor of Philosophy in Experimental/Cognitive Psychology, May 2002

Minor in Quantitative Methods, May 2002

Graduate Certificate in Gerontology, May 2002

University of Kansas, Department of Psychology, Lawrence, Kansas

Master of Arts in Experimental/Cognitive Psychology, May 1999

Beloit College, Department of Psychology, Beloit, Wisconsin

Bachelor of Arts in Psychology, May 1992

Co-Editor-in-Chief, *The Round Table*

PROFESSIONAL EXPERIENCE

Georgia Institute of Technology, School of Psychology, Atlanta, Georgia

September 2010 – Present Associate Director, Human Factors and Aging Laboratory

October 2013 – Present Senior Research Scientist

August 2013 – September 2013 Research Scientist II

January 2010 – July 2013 Research Scientist I

Spring 2013 Course Instructor

September 2003 – 2010 Consultant

September 2001 – 2003 Post-Doctoral Fellow

June 2002 – April 2011 Site Administrator, Center for Research and Education on Aging and Technology Enhancement

Spring 2003 – Spring 2004 Course Instructor

Agnes Scott College, Atlanta, Georgia

Fall 2007 Assistant Professor (part-time)

Oglethorpe University, Atlanta, Georgia

Fall 2005 – Fall 2006 Course Instructor

TRACY LYNN MITZNER, PH.D.

PROFESSIONAL SERVICE ACTIVITIES

Advisory Board Member - Technacademy, Inc. (Jan 2015 - Present)

Invited Critic for College of Architecture Review for Elderly Housing (2015, March)

CONFERENCE PRESENTATIONS

Mitzner, T. L., Hartley, J., Stuck, R., Chan, L., Beer, J. M., & Rogers, W. (accepted). "Being There": Attitudes about Televideo Technology for Adults Aging with a Mobility Impairment. *Abstracts of the Gerontological Society of America (GSA)*.

Mitzner, T. L., Stuck, R., Hartley, J., Chan, L., Beer, J. M., & Rogers, W. (accepted). Televideo Technology: Benefits and Barriers Perceived by Older Adults with a Mobility Impairment. *Abstracts of the Gerontechnology Conference*.

Wu, X., Stuck, R. E., Mitzner, T. L., Rogers, W. A., & Beer, J. M. (2016, July). Televideo for older adults with mobility impairment: A needs assessment. Rehabilitation Engineering and Assistive Technology Society (RESNA) 2016 Annual Conference, Arlington, VA.

Wu, X., Stuck, R. E., Mitzner, T. L., Rogers, W. A., & Beer, J. M. (2015, November). Needs assessment for telewellness technologies among older adults with mobility impairment. Gerontological Society of America 68th Annual Meeting, Orlando, FL.

Rogers, W. A., Harrington, C. N., Barg-Walkow, L. H., Hartely, J. Q., & Mitzner, T. L., & (2015, November). *Designing a quick start guide for Kinect game use by older adults*. Gerontological Society of America 68th Annual Meeting, Orlando, FL.

Gonzalez, E., Sanford, J. A., Rogers, W. A., & Mitzner, T. L., & (2015, November). *Re-conceptualizing the impact of aging on disability: Implications for technology interventions*. Gerontological Society of America 68th Annual Meeting, Orlando, FL.

Rogers, W.A., Singleton, J., Mitzner, T. L., Gonzalez, E., & Preusse, K. C. (October, 2015). *Needs assessment for individuals aging with impairment*. Human Factors and Ergonomics Society Europe Chapter. Groningen, The Netherlands.

Rogers, W. A., Mitzner, T. L., Czaja, S. J., Charness, N., Boot, W., & Sharit, J. (2014, November). Testing technology acceptance models for PRISM users. Gerontological Society of America 67th Annual Meeting, Washington, DC.

Rogers, W. A., Marinelli, E., Cha, G., Hartley, J., & Mitzner, T. L. (2014, November). Kinect games for older adults: Understanding usability challenges. Gerontological Society of America 67th Annual Meeting, Washington, DC.

Rogers, W. A., Singleton, J., Mitzner, T.L., & Chen, E. (2014, November). *Experiences with technology by older adults in the deaf community*. Gerontological Society of America 67th Annual Meeting, Washington, DC.

McGlynn, S., Kemple, S., K., Mitzner, T. L., King, A.-C., & Rogers, W. A. (October, 2014). *Understanding older adults' perceptions of usefulness for the Paro robot*. Human Factors and Ergonomics Society 58th Annual Meeting, Chicago, IL. Santa Monica, CA: Human Factors and Ergonomics Society.

Smarr, C-A., Long, S., Prakash, A., Mitzner, T. L., & Rogers, W. A. (2014). *Understanding younger and older adults' needs for home organization support*. Human Factors and Ergonomics Society 58th Annual Meeting, Chicago, IL.

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Preusse, K. C., Mitzner, T. M., Fausset, C. B., & Rogers, W. A. (2014, October). Older adults' changes in intent to adopt wellness management technologies. To be presented at the Human Factors and Ergonomics Society 58th Annual Meeting, Chicago, Illinois.

Rogers, W. A., Mitzner, T. L., & Sanford, J. A. (2014, June). A research framework to guide design of technologies for successful aging with disabilities. International Society for Gerontechnology, Taipei, Taiwan.

Singleton, J.L., Mitzner, T.L., & Rogers, W.A. (June, 2014). *Research on technologies to support successful aging with disability*. Effective Access Technology Conference, Rochester, NY.

Rogers, W. A., Mitzner, T. L., Fisk, A. D., Boot, W., Charness, N., Czaja, C. J., & Sharit, J. (2014, June). PRISM development: Iterative design using human factors tools. International Society for Gerontechnology, Taipei, Taiwan.

Preusse, K. C., Mitzner, T. M., Fausset, C. B., & Rogers, W. A. (2014, April). Potential barriers and facilitators for adoption of wellness management. Presented at the Cognitive Aging Conference, Atlanta, Georgia.

Long, S. K., Prakash, A., Smarr, C.-A., Mitzner, T. L., & Rogers, W. A. (2014, April). *Understanding older adults' satisfaction and challenges with home organization*. Cognitive Aging Conference, Atlanta, GA.

McGlynn, S., Mitzner, T. L., & Rogers, W. A. (2014, April). *Investigating subjective well-being as an indicator of physical health in older adults*. Cognitive Aging Conference, Atlanta, GA.

Barg-Walkow, L. H., McBride, S. E., Morgan, M. J., Mitzner, T. L., Clarke, E. N., Bauer, D. T., Knott, C. C., & Rogers, W. A. (2014, April). A system for tracking and managing older adults' osteoarthritis pain. Presented at the Cognitive Aging Conference, Atlanta, Georgia.

Preusse, K. C., Mitzner, T. M., Fausset, C. B., & Rogers, W. A. (2014, March). Activity monitoring technologies and older adult users: Heuristic analysis and usability assessment. Presented at the 2014 Symposium on Human Factors and Ergonomics in Health Care: Leading the Way, Chicago, Illinois.

Barg-Walkow, L. H., McBride, S. E., Morgan, M. J., Mitzner, T. L., Clarke, E. N., Bauer, D. T., Knott, C. C., & Rogers, W. A. (2014, March). Efficacy of a system for tracking and managing osteoarthritis pain for both healthcare providers and older adults. Presented at the 2014 Symposium on Human Factors and Ergonomics in Health Care: Leading the Way, Chicago, IL.

McGlynn, S., Snook, B., Kemple, S., Mitzner, T.L. & Rogers, W. A. (2014, March). *Therapeutic robots for older adults: Investigating the potential of Paro*. ACM/IEEE International Conference on Human-Robot Interaction, Bielefeld, Germany.

Fausset, C. B., Mitzner, T. L., Price, C. E., Jones, B. D., W. B. Fain, & Rogers, W. A. (2013, October). *Older adults' use of and attitudes toward activity monitoring technologies*. Presented at the Human Factors and Ergonomics Society 57th Annual Meeting, San Diego, CA.

Barg-Walkow, L. H., McBride, S. E., Morgan, M. J., Mitzner, T. L., Knott, C. C., & Rogers, W. A. (2013, October). *How do older adults manage osteoarthritis pain? The need for a person-centered disease model*. Presented at the Human Factors and Ergonomics Society 57th Annual Meeting, San Diego, CA.

Rogers, W. A., Mitzner, T. L., Boot, W., Charness, N., Czaja, S. J., Fisk, A.D., & Sharit, J. (2013, November). *Predicting technology acceptance through individual differences and perceptions of usefulness and ease of use*. Gerontological Society of America 66th Annual Meeting, New Orleans, LA.

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Tiberio, L. Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2013, November). *What do healthcare providers want a personal robot to do in their work setting?* Presented at the Gerontological Society of America 66th Annual Meeting, New Orleans, LA.

Tiberio, L. Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2013, April). *Investigating healthcare providers' acceptance of personal robots for assisting with daily caregiving tasks?* Presented at the ACM SIGCHI Conference on Human Factors in Computing Systems, Paris, France.

Barg-Walkow, L. H., McBride, S. E., Beer, J. M., Mitzner, T. L., & Rogers, W. A. (2013, March). *Understanding home healthcare providers' challenges in providing task education.* International Symposium on Human Factors and Ergonomics in Health Care: Advancing the Cause, Baltimore, MD.

Prakash, A., Beer, J. M., Deyle, T., Smarr, C.-A., Chen, T. L., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2013, March). *Older adults' medication management in the home: How can robots help?* Presented at the 8th ACM/IEEE International Conference on Human-Robot Interaction (HRI '13), Tokyo, Japan.

Mitzner, T. L., McBride, S. E., Beer, J. M., & Rogers, W. A., (2013, March). *From the front lines of home healthcare: Potential solutions to provider challenges.* Presented at the Human Factors and Ergonomics Society 2013 Health-Care Symposium, Baltimore, MD.

Rogers, W. A., & Mitzner, T. L. (2012, November). *Using human factors tools to prepare for a field trial with older adults.* Gerontological Society of America 65th Annual Meeting, San Diego, CA.

Rogers, W. A., Mitzner, T. L., Smarr, C.-A., Beer, J. M., Prakash, A., Chen, T. L., & Kemp, C. C. (2012, November). *What do older adults want their personal robots to do?* Gerontological Society of America 65th Annual Meeting, San Diego, CA.

Smarr, C.-A., Prakash, A., Beer, J. M., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2012, October). *Older adults' preferences for and acceptance of robot assistance for everyday living tasks.* Presented at the Human Factors and Ergonomics Society 56th Annual Meeting, Boston, MA. **Winner of the HFES Arnold M. Small Aging Technical Group Best Student Paper Award.**

McBride, S. E., Beer, J. M., Mitzner, T. L., Springman, J. M., & Rogers, W. A. (2012, October). *Challenges of training older adults in a home health care context.* Presented at the Human Factors and Ergonomics Society 56th Annual Meeting, Boston, MA.

Beer, J. M., Prakash, A., Smarr, C.-A., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2012, October). *"Commanding your robot": Older adults' preferences for methods of robot control.* Presented at the Human Factors and Ergonomics Society 56th Annual Meeting, Boston, MA.

McBride, S. E., Barg-Walkow, L. H., Mitzner, T. L., & Rogers, W. A. (2012, April). *A framework to understand adults' health support needs.* Cognitive Aging Conference, Atlanta, GA.

Beer, J. M., Smarr, C.-A., Prakash, A., Chen, T. L., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2012, April). *Older adult preferences for controlling a home-based robot.* Cognitive Aging Conference, Atlanta, GA

Burnett, J. S., Mitzner, T. L., Rogers, W. A., & Charness, N. (2012, April). *Understanding older adults' perceived usefulness of a computer for everyday activities.* Cognitive Aging Conference, Atlanta, GA.

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Beer, J. M., Smarr, C.-A., Chen, T. L., Prakash, A., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2012, March). *The domesticated robot: Design guidelines for assisting older adults to age in place*. Paper presented at the 7th ACM/IEEE International Conference on Human-Robot Interaction, Boston, MA.

Mitzner, T. L., Beer, J. M., Smarr, C.-A., Kemp, C. C., & Rogers, W. A., (2012, March). *Mobile manipulators: An emerging class of robots for health and medicine*. Presented at the Human Factors and Ergonomics Society 2012 Health-Care Symposium. Baltimore, MD.

Beer, J. M., Smarr, C. A., Chen, T. L., Prakash, A., Mitzner, T. L., Kemp, C. C., & Rogers, W. A. (2012, March). *The domesticated robot: Design guidelines for assisting older adults to age in place*. Presented at the ACM/IEEE International Conference on Human-Robot Interaction, Boston, MA.

Mitzner, T. L., McBride, S. E., Beer, J. M., & Rogers, W. A. (2011, November). *Challenges experienced by home health care providers and the potential for technology supports*. Gerontological Society of America 64th Annual Meeting, Boston, MA.

Boron, J. B., Mitzner, T. L., Fausset, C. B., Adams, A. E., & Rogers, W. A. (2011, November). *Technology use for health care: Older adults' likes, dislikes, and training preferences*. Gerontological Society of America 64th Annual Meeting, Boston, MA.

Mitzner, T. L., Chen, T. L., Kemp, C. C., & Rogers, W. A. (2011, September). *Older adults' needs for assistance as a function of living environment*. Paper presented at the Human Factors and Ergonomics Society 55th Annual Meeting, Las Vegas, NV.

Burnett, J. S., Mitzner, T.L., Charness, N., & Rogers, W. A. (2011, September). *Understanding predictors of computer communication technology use by older adults*. Presented at Human Factors and Ergonomics Society 55th Annual Meeting, Las Vegas, NV.

Beer, J. M., Springman, J.M., McBride, S. E., Mitzner, T. L., & Rogers, W. A. (2011, September). *Needs assessment for certified nursing assistants providing personal care*. Presented at Human Factors and Ergonomics Society 55th Annual Meeting, Las Vegas, NV.

Beer, J. M., McBride, S. E., Mitzner, T. L., Springman, J. M., Rogers, W. A. (2011, August). *Challenges in patient education: Teaching older adults home health care tasks*. Paper presented at the 119th annual meeting of the American Psychological Association, Washington, DC.

Mitzner, T. L., Beer, J. M., McBride, S. E., & Rogers, W. A. (2011, June). *Understanding home health caregivers' challenges managing medication*. Paper presented at the Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, Canada.

Mitzner, T. L., Burnett, J. S., Charness, N., & Rogers, W. A. (2011, June). *Older adults' computer preferences: Questionnaire results. Designing for older adults: Preparing the PRISM field trial*. Paper presented at the Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, Canada.

Mitzner, T. L., Tournon, D. Rogers, W. A., Hertzog C. (2010, September). *Checking it twice: Age-related differences in double checking during visual search*. Paper presented at the Human Factors and Ergonomics Society 54th Annual Meeting, San Francisco, CA.

Mitzner, T. L., & Rogers, W. A. (2010, April). *Understanding older adults' limitations and capabilities, and involving them in the design process*. Workshop paper presented at the Conference on Human Factors in Computing Systems (CHI 2010), Atlanta, GA.

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Mitzner, T. L., Beer, J., McBride, S., Rogers, W. A., & Fisk, A. D. (2009, October). *Older adults' needs for home health care and the potential for human factors interventions*. Paper presented at the Human Factors and Ergonomics Society 53rd Annual Meeting, San Antonio, TX.

Mitzner, T.L., Beer, J.M., McBride, S.E., Rogers, W.A., & Fisk, A.D. (2009, August). *Difficulties encountered by home healthcare providers: A human factors investigation*. Paper presented at the annual meeting of the American Psychological Association, Toronto, Ontario, Canada.

Mitzner, T. L., Fausset, C. B., Adams, Boron, J. B., Dijkstra, K., Lee, C. C., Rogers, W.A., & Fisk, A. D. (2008, October). *Older adults' training preferences for learning to use technology*. Paper presented at the Human Factors and Ergonomics Society 52nd Annual Meeting, New York, NY.

Mitzner, T. L., Adams, A. E., Boron, J. B., Fausset, C. B., Rogers, W. A., Fisk, A. D. (2008, April). *Understanding older adults' attitudes about technology use in the home*. Poster session presented at the Cognitive Aging Conference 2008, Atlanta, GA.

Mitzner, T. L., Boron, J. B., Rogers, W. A., & Fisk, A. D. (2007, November). *Older adults' attitudes toward health-related technology use*. Paper presented at the Gerontological Society of America 60th Annual Meeting, San Francisco, CA.

Fausset, C. B., Mitzner, T. L., Adams, A., Boron, J. B., Dijkstra, K., Charness, N., Argüelles, T., Lee, C. C., Rogers, W.A., & Fisk, A. D. (2007, August). *Technology use by older adults in the work domain*. Paper presented at the 115th Annual Convention of the American Psychological Association, San Francisco, CA.

Mitzner, T. L., Adams, A., Argüelles, T., Bailey, C. L., Boron, J. B., Lee, C. C., Weitz, J. R., Charness, N., Czaja, S. J., Dijkstra, K., Fisk, A. D., Rogers, W.A., Sharit, J. (2006, August). *Technology use by older adults*. Paper presented at the 114th Annual Convention of the American Psychological Association, New Orleans, LA.

Mitzner, T. L., Touron, D. Rogers, W.A., Hertzog, C., Spieler, D. H. (2006, August). *Age-related differences in verification behavior during visual search*. Poster session presented at the 114th Annual Convention of the American Psychological Association, New Orleans, LA.

Touron, D. R., Mitzner, T. L., Rogers, W. A., & Hertzog, C. (2004, April). *Age and strategy in visual search: An eye-movement analysis*. Tenth Cognitive Aging Conference, Atlanta, GA.

Mitzner, T. L., & Rogers, W. A. (2003, October). *Age-related effects of reading text presented with degraded contrast*. Paper presented at the Human Factors and Ergonomics Society 46th Annual Meeting, Denver, CO.

Mitzner, T. L., & Rogers, W. A. (2002, November). *Effects of contrast reduction on reading strategies of young and older adults*. Paper presented at the 4th International Congress on Gerontechnology, Miami, FL.

Mitzner, T. L. (2002, October). *Effects of reduced contrast on young and older adults' utilization of context during reading*. Poster session presented at the Human Factors and Ergonomics Society 45th Annual Meeting, Baltimore, MD.

Mitzner, T. L. (2002, April). *Age differences in the effects of contrast degradation and word predictability: An eye-tracking study*. Poster session presented at the 2002 Cognitive Aging Conference, Atlanta, Georgia.

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Mitzner, T. L. (2001, November). *Age differences in eye fixations during reading: Effects of word degradation and sentence context*. Poster session presented at the 42nd annual meeting of the Psychonomic Society, Orlando, Florida.

Mitzner, T. L., Radel, J., Filion, D. L., & Kemper, S. (2000, April). *Effects of contextual constraint on young and older adults' eye movements during reading*. Poster session presented at the 2000 Cognitive Aging Conference, Atlanta, Georgia.

Mitzner, T. L. (2000, March). *Using eye tracking to examine reading processes*. Invited talk, Child Language Proseminar, University of Kansas.

Mitzner, T. L., Radel, J., Filion, D. L., & Kemper, S. (1999, October). *Aging and contextual constraint: Evidence from eye movements*. Poster session presented at the 39th annual meeting of the Society for Psychophysiological Research, Granada, Spain.

Mitzner, T. L. (1997, Spring). *Language sample analysis: Conceptual and grammatical measures*. Invited talk, Quantitative Seminar, University of Kansas.

WORKSHOPS

Singleton, Gonzalez, Mitzner, Rogers, W. A. (2016, July). *Everyday Technology Use by Deaf Seniors*. National Association for the Deaf.

Mitzner, T. L., Rogers, W. A., & Sanford, J. A. (2016, July). *RERC Technologies to Support Successful Aging with Disability*. Rehabilitation Engineering and Assistive Technology Society (RESNA) 2016 Annual Conference, Arlington, VA.

Mitzner, T. L., Rogers, W. A., & Sanford, J. A. (2015, June). *Moving forward with technologies for successful aging with disability*. Rehabilitation Engineering and Assistive Technology Society (RESNA) 2015 Annual Conference, Denver, CO.

Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2014, June). *Current and future directions in technologies for successful aging with disability*. Rehabilitation Engineering and Assistive Technology Society (RESNA) 2014 Annual Conference, Indianapolis, IN.

Mitzner, T. L., O'Brien, M. A., & Rogers, W. A. (2012, May). *Emerging technologies for healthcare and aging*. ACM SIGCHI Conference on Human Factors in Computing System, Austin, TX.

Fausset, C. B., Kelly, A., Mitzner, T. L., Rogers, W. A., & Fisk, A. D. (2010, March). *Focus groups and aging*. American Society on Aging. Chicago, IL.

INVITED PRESENTATIONS

Mitzner, T. L. (October, 2013). *Using human factors tools to prepare for a field trial with older adults*. Workshop on Older Adults & Social Media, University of Michigan, Ann Arbor, MI.

Mitzner, T. L. (December, 2012). *Seniors and technology*. Town Hall Meeting, Centers for Medicare and Medicaid Services (CMS), Atlanta, GA.

Rogers, W. A., & Mitzner, T. L. (2010, December). *Design of technology to support healthy aging*. Humana Emerging Technology Day, Louisville, KY.

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JOURNAL PUBLICATIONS

Mitzner, T. L., & Dijkstra, K. (in press). Evaluating user centered design of E-health for older adults using subjective methods. *International Journal of Computational Models and Algorithms in Medicine (IJCMAM)*.

Preusse, K. C., Gonzalez, E. T., Singleton, J.L., Mitzner, T. L., & Rogers, W. A., (in press). Understanding The Needs of Individuals Aging with Impairment . *International Journal of Human Factors and Ergonomics*.

Rogers, W. A., & Mitzner, T. L. (in press). Envisioning the future for older adults: Autonomy, health, well-being, and social connectedness with technology support. *Futures Journal*.

Preusse, K. C., Mitzner, T. L., Fausset, C., & Rogers, W. A. (in press). Older adults' acceptance of wellness management technologies. *Journal of Applied Gerontology*. DOI:10.1177/0733464815624151

Mitzner, T. L., Rogers, W. A., Fisk, A., Boot, W. R., Charness, N., Czaja, S. J., & Sharit, J. (2016). Predicting Older Adults' Perceptions about a Computer System Designed for Seniors. *Universal Access in the Information Society, 15*(2), 271-280. DOI 10.1007/s10209-014-0383-y.

Beer, J. M., Mitzner, T. L., Stuck, R. E., & Rogers, W. A. (2015). Design considerations for technology interventions to support social and physical wellness for older adults with disability. *International Journal of Automation and Smart Technology (AUSMT), 5*(4), 249-264.

Harrington, C. N., Mitzner, T.L., & Rogers, W. A. (2015). Understanding the role of technology for meeting the support needs of older adults in the USA with functional limitations. *Gerontechnology, 14*, 21-31.

Boot, W. R., Charness, N., Czaja, S. J., Sharit, J., Rogers, W. A., Fisk, A. D., Mitzner, T. L., Lee, C. C., & Nair, S. (2015). The Computer Proficiency Questionnaire (CPQ): Assessing low and high computer proficient seniors. *The Gerontologist, 55*, 404-411.

Seides, J. & Mitzner, T. L. (2015). The effect of delivery method, speaker demographics, and physical environment on the engagement level of older adults. *Journal of Emerging Investigators, http://www.emerginginvestigators.org/2015/05/adult_engagement_levels/*.

Beer, J. M., McBride, S. E., Mitzner, T. L., & Rogers, W. A. (2014). Understanding challenges in the front lines of home health care: A human-systems approach. *Applied Ergonomics, 45*(6), 1687-1699. <http://dx.doi.org/10.1016/j.apergo.2014.05.019>.

Smarr, C.-A., Mitzner, T.L., Beer, J. M., Prakash, A. Chen, T. L., Kemp, C. C., & Rogers, W. A. (2014). Domestic robots for older adults: Attitudes, preferences, and potential. *International Journal of Social Robotics, 6*(2), 229-247.

Mitzner, T. L., Chen, T. L., Kemp, C. C., & Rogers, W. A. (2014). Identifying the potential for robotics to assist older adults in different living environments. *International Journal of Social Robotics, 6*(2), 213-227. doi:10.1007/s12369-013-0218-7

McBride, S. E., Beer, J. M., Mitzner, T. L., & Rogers, W. A. (2011). Challenges for home health care providers: A needs assessment. *Physical & Occupational Therapy in Geriatrics, 29*(1), 5-22.

Mitzner, T. L., Boron, J. B., Fausset, C. B., Adams, A. E., Charness, N., Czaja, S. J., Dijkstra, K., Fisk, A. D., Rogers, W. A., & Sharit, J. (2010). Older Adults Talk Technology: Technology Usage and Attitudes. *Computers in Human Behavior, 26*, 1710-1721. doi:10.1016/j.chb.2010.06.020. PMID: 20967133. PMCID: PMC2956433

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Mitzner, T. L., & Rogers, W.A. (2006). Reading in the dark: Effects of age and contrast on reading speed and comprehension. *Human Factors*, 48(2), 229-240. PMID: 16884045

Mitzner, T. L., & Kemper, S. (2002). Oral and written language in late adulthood: Findings from the Nun Study. *Experimental Aging Research*, 29(4) 457-474. PMID: 12959878

Kemper, S., Greiner, L., Marquis, J., Prenovost, K., & Mitzner, T. (2001) Language decline across the life span: Findings from the nun study. *Psychology and Aging*, 16(2) 227-239. PMID: 11405311

PROCEEDINGS PAPERS

Wu, X., Stuck, R. E., Mitzner, T. L., Rogers, W. A., & Beer, J. M. (in press). Televideo for older adults with mobility impairment: A needs assessment. *Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)*.

Preusse, K., Gonzalez, E. T., Singleton, J. L., Mitzner, T. L., & Rogers, W. A. (in press). Needs assessment for individuals aging with impairment: Findings from Subject Matter Expert Interviews. *Proceedings of the Human Factors and Ergonomics Society Europe Chapter* (pp. xx-xx).

Best, R., Souders, D., Charness, N., Mitzner, T. L., & Rogers, W. A. (2015). The role of health status in older adults' perceptions of the usefulness of E-health technology. *Proceedings of the Human Aspects of IT for the Aged Population Conference* (pp. 3-14).

Harrington, C. N., Hartley, J. Q., Mitzner, T. L., & Rogers, W. A. (2015). Assessing older adults' usability challenges using Kinect-based exergames. *Proceedings of the Human Aspects of IT for the Aged Population Conference* (pp. 488-499).

Mitzner, T. L., Charness, N., & Rogers, W. A. (2015). Perceptions of computer system usefulness: Insights for design from experienced older users. *Proceedings of the Human Aspects of IT for the Aged Population Conference* (pp. 262-272).

McGlynn, S., Kemple, S., K., Mitzner, T. L., King, A.-C., & Rogers, W. A. (2014). Understanding older adults' perceptions of usefulness for the Paro robot. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting* (pp. 1914-1918). Santa Monica, CA: Human Factors and Ergonomics Society.

Preusse, K., Mitzner, T. L., Fausset, C., & Rogers, W. A. (2014). Older adults' changes in intention to adopt wellness management technologies. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting* (pp. 200-204). Santa Monica, CA: Human Factors and Ergonomics Society.

Smarr, C-A., Long, S., Prakash, A., Mitzner, T. L., & Rogers, W. A. (2014). Understanding younger and older adults' needs for home organization support. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting* (pp. 150-154). Santa Monica, CA: Human Factors and Ergonomics Society.

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Mitzner, T. L. & Rogers, W. A. (2016). Human Factors and Aging Laboratory Qualitative Analysis Manual.

Rogers, W. A., & Mitzner, T. L. (2015). *Survey instruments for robotics research in the Human Factors and Aging Laboratory* (HFA-TR-1501). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

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Smarr, C.-A., Long, S. K., Prakash, A., Arnold, G., Mitzner, T. L., & Rogers, W. A. (2014). *Home organization across the lifespan* (HFA-TR-1401). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.

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OTHER PUBLICATIONS

Mitzner T. L., & Adams, A. E. (2008). Language and aging. *Signpost: Journal of Dementia and Mental Health Care for Older People*.

Fausset, C. B., Mitzner, T. L., Adams, A. E., & Boron, J. B. (2008). Older people's attitudes toward technology in the home and health domains. *Signpost: Journal of Dementia & Mental Health Care for Older People*.

RESEARCH GRANTS AND AWARDS

- Center for Research and Education on Aging and Technology Enhancement IV (CREATE IV) (submitted 5/31/13 for 8/1/14 - 7/31/19) [P01 AG17211] National Institutes of Health (National Institute on Aging): Wendy A. Rogers, Principal Investigator for "Integrating Technology into Home Healthcare." (Funding for Rogers component: \$1,659,500 direct costs; \$2,445,143 total costs)
- System for Tracking and Managing Pain (STAMP) Phase II (submitted August 5 for 4/1/14-3/31/16) Phase II Small Business Innovation Research Grant from the National Center for Advancing Translational Sciences (National Institutes of Health). Camilla Knott, Principal Investigator for Aptima; Wendy A. Rogers & Tracy L. Mitzner, Co-Principal Investigators for Georgia Tech. (Subcontract from Aptima to Georgia Tech: \$199,939 direct costs; \$305,307 total costs).
- Technologies to Support Successful Aging with Disability (10/1/13-9/30/18) [H133E130037] National Institute on Disability and Rehabilitation Research (NIDRR), Rehabilitation Engineering Research Center (RERC). Jon Sanford, Wendy A. Rogers, Tracy L. Mitzner, Co-Principal Investigators (\$3,168,864 in direct costs; \$4,624,977 total costs) (School of Psychology component: \$671,106 in direct costs; \$933,094 total costs)

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- Center for Research and Education on Aging and Technology Enhancement III (CREATE III) (08/01/09 - 07/31/14). National Institutes of Health (National Institute on Aging): Wendy A. Rogers and Arthur D. Fisk (Co-Principal Investigators), Tracy L. Mitzner (Investigator) for “Advancing health and well-being in the home environment through technology.” (Funding for Rogers/Fisk component: \$1,702,000 direct costs; \$2,520,960 total costs).
- Assistive Mobile Manipulation for Older Adults at Home (June 1, 2010 – May 31, 2012) Willow Garage, Charlie Kemp, Wendy A. Rogers, James Rehg, Andrea Thomaz, Tracy Mitzner, & Brian Jones (Use of PR2 Beta Robot ~value \$400,000)
- Personal Robotics for Health Care: Supporting the Needs of Older Adults through Adaptive Interaction (in prep) Andrea Thomaz (PI), Charles Kemp (co-PI), Wendy A. Rogers (co-PI), & Tracy L. Mitzner (co-PI). National Robotics Initiative (\$1,250,000 direct costs; ? total costs)
- Center for Research and Education on Aging and Technology Enhancement Seed Grant, 2005
- Edward R. Roybal Center for Research and Education on Aging and Technology Enhancement Seed Grant, 2002
- Certificate, Graduate Concentration in Gerontology, University of Kansas, 2002
- National Institute on Aging Post-Doctoral Fellowship in Cognitive Aging, NIA Training Grant T32AG000175, 2001-2003
- National Institute on Aging Pre-Doctoral Fellowship in Communication and Aging, NIA Training Grant T32AG00226, 1997-2001
- University of Kansas Student Paper Presenter Award, 1999

AD HOC REVIEWER

ACM SIGCHI Conference on Human Factors in Computing Systems
Age and Ageing Journal
Ageing & Society
Canadian Journal on Aging
European Journal of Information Systems
Experimental Aging Research
Gerontechnology
Human Factors
Human Factors and Ergonomics Society
IEEE International Conference on Robotics and Automation (ICRA)
International Journal of Aging and Human Development
International Journal of Social Robotics
Journal of Aging and Physical Activity
Journal of Applied Gerontology
Journal of Educational Psychology
Journal of Experimental Psychology: Applied
Journal of Human-Robot Interaction
NordiCHI 2012
Pervasive Health

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Research on Aging
Universal Access in the Information Society

PRESIDENT'S UNDERGRADUATE RESEARCH AWARD (GEORGIA INSTITUTE OF TECHNOLOGY)

Jaudale Banks (Summer 2015) "How humans interpret and react to perceived automation errors"

Braeden Snook (Fall 2013) "*Stress Reduction Through Social Robot Intervention*"

Jackie Gilberto (Summer 2013) "*The Potential for Personalized Technologies in Older Adults*"

Shelby Long (Spring 2013) "*Understanding Younger and Older Adults' Trust in Service Robots*"

CONTINUING EDUCATION

Life Span Institute, University of Kansas

Meta-Analysis, Larry Hedges

Modeling Categorical Response Variables, Charles Davis

Structural Equation Modeling, Peter Bentler

Nonindependence in Data, David A. Kenny

Incomplete Data and Structural Equation Modeling, John J. McArdle

Georgia Institute of Technology Workshop Series

World Wide Web Data Collection and Analysis, Elizabeth Weiss

IRB 250, GTRC, the Office of Research Compliance, & Public Responsibility in Medicine and Research (PRIM&R).

PROFESSIONAL MEMBERSHIPS

- American Psychological Association
Division 20 – Adult Development and Aging
- Gerontological Society of America
Formal Interest Group – Technology & Aging
- Human Factors and Ergonomics Society
Aging Technical Group