



Rehabilitation Engineering Research Center on Technologies to  
Support Aging among People with Long-Term Disabilities

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## **Journal Publications**

(Accepted)

(In Press)

1. Rogers, W. A., & Mitzner, T. L. (in press). *Designing Robots to Improve Quality of Life for Older Adults*. Boca Raton, FL: CRC Press.
2. Kang, J., Lachs, E., Huang, K., Rice, L.A., & Rogers, W.A. [minor revisions requested]. *Supporting Older Adults with Mobility Disabilities through Voice-Activated Assistants and Smart Technologies*.
3. Zhou, J., Salvendy, G. Boot, W. R., Charness, N., Czaja, S., Gao, Q., Holzinger, A., Ntoa, S., Rau, P.-L., Rogers, W. A., Stephanidis, C., Wahl, H.-W., Ziefle, M. (in press). Grand challenges of smart technology for older adults. *International Journal of Human-Computer Interaction*.
4. Barton, H. J., Harris, M. T., Rogers, C. C., Lange-Morales, K. L., Thatcher, A., Newman, L., Wooldridge, A. R., Rogers, W. A., Montague, E., Werner, N., & Valdez, R. S. (in press). Leveraging Ergonomics and Human Factors for community impact: What have we learned about how to make a difference. *Ergonomics*

(Published).

1. Shende, S. A., Koon, L. M., Singleton, J. L., & Rogers, W. A. (2025). Everyday challenges and solutions for individuals aging with Deafness. *Innovation in Aging*. <https://doi.org/10.1093/geroni/igaf071>
2. Remillard, E. T., Mitzner, T. L., & Mumma, K. T. (2025). TechSAGE Tele Tai Chi for People Aging with Mobility Disabilities: Rationale, Methods and Baseline Characteristics. *Contemporary Clinical Trials Communications*, 47. <https://doi.org/10.1016/j.conctc.2025.101543>
3. Mitzner, T. L., Blocker, K. A., & Rogers, W. A. (2025). "Alexa, how do I...?": Older adults learning to use digital home assistants. *Gerontechnology*, 24(1), 1-13. <https://doi.org/10.4017/gt.2025.24.1.1199.08>
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11. Rice, L. A., Remillard, E. T., Lachs, E., Mitzner, T. L., Sanford, J. A., & Rogers, W. A. (2024). Using Technology to Support the Everyday Activities of People Aging with Long-Term Disabilities. *Certified Senior Advisor (CSA) Journal*, 96(3), 39-43.
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## **Book Chapters**

(Submitted)

(In press)

1. Blocker, K. A., & Rogers, W. A. (in press). Human factors and ergonomics for aging. In *Encyclopedia of Gerontology and Population Aging*.

(Published)

- Rogers, W. A., & Mitzner, T. L. (2025). Designing Robots to Improve Quality of Life for Older Adults. Boca Raton, FL: CRC Press.
- Olatunji, S. A., Bayles, M. A., Liu, S., Hasan, A., Driggs-Campbell, K., & Rogers, W. A. (2025). Developing wayfinding robotic support for older persons with vision impairments. *Assistive Technology*, 1-10.
- Sanford, J. (2022). Product usability testing and outcomes: What works? For whom? and Why? In A. Mihailidis & R. Smith, (Eds.), *Rehabilitation Engineering Principles and Practice*, Chapt. 24, CRC Press, Boca Raton, FL.
- Harris, M. T., & Rogers, W. A. (2021). Facilitating the adoption of digital health technologies by older adults to support their health. In H. Lum (Eds.), *Human Factors Issues and the Impact of Technology on Society* (pp. 164-179). CRC Press.
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- Wiczorek, R., Bayles, M.A., & Rogers, W. A. (2020). Domestic robots for older adults: Design approaches and recommendations. In L. Moody, A. Woodcock, D. McDonagh, & L.C. Jain (Eds.), *Design of assistive technology for ageing populations* (pp. 203-219). Springer, Cham. [https://doi.org/10.1007/978-3-030-26292-1\\_11](https://doi.org/10.1007/978-3-030-26292-1_11)
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## **Conference Proceedings**

*(In press)*

- Rice I, Krishnan G & Rogers W, Research and Development of a soft Robotic Shower Head (SoRoSH) for Older Adults with Mobility Limitations. 19th World Federation of Occupational Therapists (WFOT) Congress, 9 – 12 February, Bangkok, Thailand. (accepted)
- Bhowmick P, Remillard ET, Shahid K, Rogers WA, & Rice I . Understanding the Needs of Individuals With Multiple Sclerosis to Guide the Design of Assistive Technologies. International Symposium on Human Factors and Ergonomics in Health Care (HFES), convening March 30 - April 2, 2025 in Toronto, Ontario, Canada. Poster accepted
- Rogers W, Sanford J, Rice I & Rice L. *Supporting Aging with Long-Term Disabilities: TechSAge Research & Development*. Assistive Technology Industry Association (ATIA). Orlando FL, January 30th – February 1st, 2025. (accepted)
- Gerontological Society of America (GSA) 2024 – Our abstract was accepted on findings from interviews with subject matter experts (e.g., senior center coordinators, administrators from Area Agencies on Aging, tai chi instructors) regarding perceived barriers to delivering Telewellness classes as well as potential facilitators to address them. We also submitted a proposal to present findings from our post-class survey as a late-breaking abstract.

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1. Kang, J., Lachs, E., Huang, K., Rice, L., & Rogers, W. A. (2024). Use of digital home assistants for community-dwelling older adults with mobility disabilities. *Archives of Physical Medicine and Rehabilitation*, 105(4), e162. <https://doi.org/10.1016/j.apmr.2024.02.571>
2. Liu, Shuijing, Hasan, A., Hong, K., Wang, R., Chang, P., Mizrachi, Z., Lin, J., McPherson, D. L., Rogers, W.A., & Driggs-Campbell, K. (2024). *Dragon: A dialogue-based robot for assistive navigation with visual language grounding*. *IEEE Robotics and Automation Letters*, 1-9. <https://doi.org/10.48550/arXiv.2307.06924>

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  48. Gomez-Gurley, K., McLaughlin, A. C., Gandy Coleman, M., & Allaire, J. C. (2015). Accessibility in serious games for adults aging with disability. In J., Zhou & G., Salvendy (Eds.), *Proceedings from Human Aspects of IT for the Aged Population*. Design for Aging (pp. 61-71). Springer International Publishing.  
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  51. Kapusta, A., Park, D. and Kemp, C. C. (2015). Task-centric selection of robot and environment initial configurations for assistive tasks. *Proceedings from Intelligent Robots and Systems (IROS), 2015 IEEE/RSJ International Conference on*, 1480-1487. <https://doi.org/10.1109/IROS.2015.7353563>
  52. Gonzalez, E., Fausset, C. B., Foster, A., Cha, G. & Fain, W. B. (2015). Moving in, out and around the home: solutions from older adults with long-term mobility impairment. *Proceedings from Rehabilitation*

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53. Levy, L., Solomon, R., Moore, J., Way, J., Liu, R., & Gandy, M. (2015). Actions speak louder than words: An exploration of game play behavior and results from traditional assessments of individual differences. *Proceedings from 2015 Proceedings of Foundations of Digital Games.* <https://www.semanticscholar.org/paper/Actions-Speak-Louder-Than-Words%3A-An-exploration-of-Levy-Solomon/45ce2cb7ca3d32a14621469ac78d17a488e9f6a0>
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55. Hawkins, K. P., Grice, P. M., Chen, T. L., King, C. H., & Kemp, C. C. (2014). Assistive mobile manipulation for self-care tasks around the head. *Proceedings from IEEE Symposium on Computational Intelligence in Robotic Rehabilitation and Assistive Technologies*, 16-25. <https://ieeexplore.ieee.org/document/7009736>
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57. Park, D., Kapusta, A., Hawke, J., & Kemp, C. C. (2014). Interleaving planning and control for efficient haptically-guided reaching in unknown environments. *Proceedings from IEEE-RAS International Conference on Humanoid Robots (Humanoids)*, 809-816. <https://ieeexplore.ieee.org/document/7041456>
58. Park, D., Kapusta, A., Kim, Y., Reh, J. M., & Kemp, C. C. (2014). Learning to reach into the unknown: Selecting initial conditions when reaching in clutter. *Proceedings from IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).*

## Technical Reports and Papers

1. Remillard, E. T., Mumma, K. T., Tian, Y., & Mitzner, T. L. (2025). *TechSage Tele Tai Chi Clinical Trial: Data guide (TechSage-TR-2504)*. Rehabilitation Engineering Research Center on Technologies to Support Aging among People with Long-Term Disabilities. <https://www.TechSageRERC.org>
2. Dye, M. E., Kohl, G. J., Heniff, E. M., Remillard, E. T., & Rogers, W. A. (2025). *Coding scheme for late-deafened older adults in the ACCESS study (TechSage-TR-2501)*. Rehabilitation Engineering Research Center on Technologies to Support Aging among People with Long-Term Disabilities. <https://www.TechSageRERC.org>
3. Remillard, E. T., Dye, M., & Rogers, W. A. (2025). *Aging concerns, challenges, and everyday solution strategies (ACCESS) Phase 2: Data guide (TechSage-TR-2505)*. Rehabilitation Engineering Research Center on Technologies to Support Aging among People with Long-Term Disabilities. <https://www.TechSageRERC.org>
4. Bhattacharya, S., & Ashok, A. (2024). *Assessing usability and feasibility of using computer vision and smart sensor to design a digital rehabilitation system, DigiHand for post-stroke use*. Poster presentation at the Annual Conference of American Occupational Therapy Association, 2024. *American Journal of Occupational Therapy*, 78(Suppl. 2). <https://doi.org/10.5014/ajot.2024.78S2-PO282>
5. Pednekar, S. S., Remillard, E. T., & Rogers, W. A. (2024). *Financial capacity in older adults with vision impairment: Challenges and solutions*. <https://www.TechSageRERC.org>

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6. Lynn, C. M., & Rogers, W. A. (2024). *Tool and technology use in older adults aging with multiple sclerosis (TechSage-TR-2403)*. Rehabilitation Engineering Research Center on Technologies to Support Aging among People with Long-Term Disabilities. <https://www.TechSageRERC.org>
7. Thompson, B., Coleman, M., Levy, L., & Jordan, K. (2024). *Augmented reality, virtual reality, and telepresence tools to enhance acceptance and adoption of connected home technologies by adults aging with mobility disabilities (TechSage-TR-2402)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities. <https://www.TechSageRERC.org>
8. Thompson, B., & Coleman, M. (2024). *Expanding the paradigm of telepresence to improve collaboration and socialization*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities. <https://www.TechSageRERC.org>
9. Heniff, E. M., Dye, M., Remillard, E. T., Koon, L. M., & Rogers, W. A. (2024). *Discovering communication challenges and response strategies of late-deafened older adults (TechSage-TR-2401)*. Rehabilitation Engineering Research Center on Technologies to Support Aging among People with Long-Term Disabilities. <https://www.TechSageRERC.org>
10. Blocker, K. A., Kadylak, T., Lachs, E., Hussaini, H., Lim, K., & Rogers, W. A. (2023). *Field trial to assess the utility of smart technologies for older adults with mobility disabilities: Method overview (TechSage-TR-2303)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
11. Lim, K., Blocker, K. A., Lachs, E., Hussaini, H., & Rogers, W. A. (2023). *Developing the Digital Assistance in a Box (DAB) technology suite for older adults with mobility disabilities (TechSage-TR-2302)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
12. Remillard, E. T., Koon, L. M., Bayles, M. A., Mumma, K. T., Singleton, J. L., & Rogers, W. A. (2023). *Aging concerns, challenges, and everyday solution strategies (ACCESS) Phase 2 development (TechSage-TR-2301)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities. <https://www.TechSageRERC.org>
13. Blocker, K. A., Mitzner, T. L., Lim, K., & Rogers, W. A. (2022). *TechSage Tool: Task analysis*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
14. Remillard, E. T., Mumma, K. T., Cochran, L., Sadalge, R., & Mitzner, T. L. (2022). *Tele Tai Chi study – Methods (TechSage-TR-2201)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities. <https://www.TechSageRERC.org>
15. Malecki, M., Kadylak, T., Galoso, L., & Rogers, W. A. (2021). *Amazon Echo demonstration study: Investigating digital home assistant adoption and use by older adults with and without disabilities*. (TechSage-TR-2109). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
16. Ramavarapu, V., Kadylak, T., & Rogers, W. A. (2021). *Developing a recommendation app for a voice-activated digital home assistant (TechSage-TR-2108)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
17. Gowrishankar, S., Kadylak, T., Khamzina, M., & Rogers, W. A. (2021). *Developing a suite of commercially available voice-activated digital home assistant health applications: Feasibility and usability evaluation process (TechSage-TR-2107)*. Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
18. Kadylak, T., Kovac, C., Sun, A., Sreenivas, R.S., & Rogers, W.A. (2021). *Exploring automated methods for quantifying Amazon Alexa command history: matching algorithm development*. (TechSage-TR-2106). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.

19. Ramadhani, W. A. & Rogers, W. A. (2021). *Aging in Place at Home: Understanding personal and environmental activity challenges and response strategies of older adults with long-term mobility disabilities* (TechSage-TR-2105). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
20. Remillard, E. T., Griffiths, P. C., Sanford, J. A., Mitzner, T. L. & Rogers, W. A. (2021). *TechSage Minimum Battery 2: Overview of Measures* (TechSage-TR-2104). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
21. Bayles, M. A., Remillard, E. T., Koon, L. M., Singleton, J. L., & Rogers, W. A. (2021). *Subject matter expert interviews for the ACCESS extension to new participant groups* (TechSage-TR-2103). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
22. Mumma, K., Remillard, E. T., Cochran, L., & Mitzner, T. L. (2021). *Tele Tai Chi Study – Overview of assessments* (TechSage-TR-2102). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities ([www.TechSageRERC.org](http://www.TechSageRERC.org))
23. Shende, S. A., Bayles, M. A., Koon, L. M., Singleton, J. L., & Rogers, W. A. (2021). *Coding Scheme for the Deaf Older Adults in the Aging Concerns, Challenges, and Everyday Solution Strategies (ACCESS) Study* (TechSage-TR-2101). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
24. Remillard, E. T., Griffiths, P. C., Sanford, J. A., Mitzner, T. L. & Rogers, W. A. (2020). *TechSage Background Questionnaire: Overview of Measures* (TechSage-TR-2001). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
25. Koon, L. M., Khaleghi, R., Sreenivas, R. S., & Rogers, W.A. (2019). *Environmental control applications for voice-activated digital home assistants* (TechSage-TR-1906). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
26. Ramadhani, W. A., Blocker, K. A., & Rogers, W. A. (2019). *Developing an Instructional Protocol for Voice-Activated Digital Home Assistants and Related Applications* (TechSage-TR-1905). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
27. Bruce, C. & Echt, K. (2019). *Sound-Based Technologies and Strategies Used for Community Mobility by Adults with Vision Disability* (TechSage-TR-1904). Atlanta, GA: Georgia Institute of Technology, Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
28. Nie, Q., Rice, L. A., Sosnoff, J. J., Rogers, W. A. (2019). *Understanding Falling and Rehab Use among Wheelchair Users from the National Health and Aging Trends Study (NHATS)* (TechSage-TR-1903). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
29. Koon, L. M., Remillard, E. T., Hartley, J. Q., Harris, M. T., Mitzner, T. L., & Rogers, W. A. *Coding scheme for the aging concerns, challenges, and everyday solution strategies (ACCESS) study: Adults aging with mobility or vision disabilities* (TechSage-TR-1902). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
30. Levy, L., Thompson, B., & Gandy, M. (2019). *Augmented Reality Tools to Support Use and Understanding of Internet of Things: Participatory Design Research for People Aging with Long-Term Mobility Disability* (TechSage-TR-1901). Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities.
31. Remillard, E. T., Mitzner, T. L., Singleton, J. L., Koon, L. M., & Rogers, W. A. (2018). *Developing the Aging Concerns, Challenges, and Everyday Solution Strategies (ACCESS) Study* (TechSage-TR-1801). Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.

32. Fain, W. B. & Farmer, S. (2017). *Development of personas for designing for individuals with mobility impairments* (TechSage-TR-1703). Atlanta, GA: Georgia Institute of Technology. Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
33. Fain, W. B. & Farmer, S. (2017). *Challenges in the home for adults aging with mobility impairments* (TechSage-TR-1702). Atlanta, GA: Georgia Institute of Technology. Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
34. Fain, W. B. & Farmer, S. (2017). *Medication adherence for older adults with disabilities* (TechSage-TR-1701). Atlanta, GA: Georgia Institute of Technology. Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
35. Mitzner, T. L., Bixter, M. T., & Rogers, W.A. (2016). *Qualitative Research Procedures in the Human Factors and Aging Laboratory* (HFA-TR-1601). Atlanta, GA: Georgia Institute of Technology. School of Psychology, Human Factors and Aging Laboratory.
36. Gonzalez, E. T., Mitzner, T. L., Sanford, J. A., & Rogers, W. A. (2016). *TechSage minimum battery: Overview of measures* (TechSage-TR-1601). Atlanta, GA: Georgia Institute of Technology. Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
37. Bryant, P., Vladimirova, E., & Homesley, M. (2016). *Food for Thought project: Older adults' interaction with touchscreen*. Internal report. Atlanta, GA: Georgia Institute of Technology.
38. Harrington, C. & Rogers, W. A. (2014). *An archival analysis of everyday task challenges for adults aging with disabilities* (TechSage-TR-1401). Atlanta, GA: Georgia Institute of Technology. Rehabilitation Engineering Research Center on Technologies to Support Successful Aging with Disability.
39. McClellan, A., & Williams, C. (2014). *Visual accessibility analysis of Food for Thought*. Technical Report. North Carolina State University, Raleigh, NC.

## **Trade Journal Articles and Blogs**

1. Rice, L.A., Remillard, E. T., Lachs, E., Mitzner, T. L., Sanford, J. A., & Rogers, W. A. (2024). Using Technology to Support the Everyday Activities of People Aging with Long-Term Disabilities. *Certified Senior Advisor (CSA) Journal*, 96(3), 39-43.
2. Raj, M., Remillard, E.T., & Rogers, W.A. (2023, December 13). "Facing the Dual Challenges of Caregiving While Aging with Disability". *Generations Now*, American Society on Aging. <https://generations.asaging.org/dual-challenges-caregiving-disability>
3. Lee, S. (2023). Balancing scientific inquiry with empathy. *Generations Today*, Jan-Feb 2023. <https://generations.asaging.org/balancing-scientific-inquiry-empathy>
4. Mitzner, T. L., & Remillard, E. T. (2019). How one telewellness project focused on helping older adults with mobility disabilities age in place. *The Journal on Active Aging*, 18(4), 72-77. <https://techsage.gatech.edu/sites/default/files/2020-12/Telewellness-low%20res.pdf>
5. Gonzalez, E. T., Sanford, J. A., Mitzner, T. L., & Rogers, W. A. (2016). Technologies to support aging with disability. *Certified Senior Advisor (CSA) Journal*, 67(3), 4-9.

## **Organized Symposia and Conferences**

(Upcoming)

(Past)

1. Mitzner, T.L., Remillard, E.T., Rice, L.A., & Sanford, J.A. (2024, January). *Designing User-Centered Technologies to Support Aging with Disability*. Symposium presentation at the Assistive Technology Industry Association, Orlando, FL.
2. Mitzner, T. L. (chair), Mumma, K.T., Lee, H., & Sanford, J.A. (2023, November). *Technology as a Catalyst for Supporting Aging with Disability*. Symposium presentation at the Gerontological Society of America (GSA) Scientific meeting, Tampa, FL.
3. Sanford, J. A (chair). (2023, October). *Technology Solutions to Support People Aging with Mobility Disabilities*. Symposium presentation at the American Congress of Rehabilitation Medicine (ACRM) conference, Atlanta Georgia
4. Sanford, J., Rice, L., Mumma, K., & Lachs, E. (2023, July). *Optimizing Technology to Support Aging with Mobility Disability*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, New Orleans, LA.
5. Remillard, E. T. (chair), Mitzner, T., Blocker, K., Jones, B., Campbell, M. (Discussant) (2022, November). *Re-Imagining Aging with Disability through Technology*. Symposium presentation at the Gerontological Society of America (GSA) Scientific meeting, Indianapolis, IN.
6. Remillard, E. T. (chair), Koon, L. M., Sanford, J.A., Thompson, B., & Rice, L. A. (2022, July). *Designing User-Centered Technologies to Support People Aging with Disability*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
7. Kadylak, T. (chair), Bayles, M., Mitzner, T., & Sanford, J.A. (2021, November). *Technology is the new normal for individuals aging-in-place with disability*. The 2021 Annual Scientific Meeting of the Gerontological Society of America. (Virtual). Discussant: Susy Stark.
8. Remillard, E. T, Sosnoff, J.J., Rice, L. A., & Kadylak, T. (2021, July). *Technologies to Support Aging-in-Place for People with Long-Term Disabilities*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
9. Rogers, W. A., Jones, B. D., Mitzner, T.L., Mahajan, H., & Rice L.A. (2020, November). *Technology Advances to Support People Aging with Long-Term Mobility Disabilities*. Symposia presentation at the American Congress of Rehabilitation Medicine 2020 Conference (virtual).
10. Kadylak, T., Koon, L. M., Sanford, J. A., & Mitzner, T. L. (chair). (2020, November). *Innovative Approaches to Inclusive Design for Technology to Support Aging with Disability: Examples from TechSAge*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).
11. Remillard, E. T., Jones, B. D., Rice, L. A., & Kadylak, T. (2020, September). *Technologies to Support Aging-in-Place for People with Long-Term Disabilities*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
12. Rogers, W. A. (chair), Jones, B. D., Remillard, E.T., & Sanford J. A. (2020, March). *Health technology innovation to support individuals aging with a mobility disability: From the clinic to the home*. Panel presentation at the Human Factors and Ergonomics Society (HFES) Health Care Symposium, Toronto, Ontario, Canada. <https://www.hcs2020.org/program> (Conference cancelled)
13. Remillard, E. T. & Rogers, W. A (co-chairs; 2019, November). *Utilizing technology networks to support social networks for people aging with disability*. The 2019 Annual Scientific Meeting of the Gerontological Society of America. Austin, TX. Participants: Harris, M., Rogers, W. A., Thompson, B, & Mitzner, T. Discussant: Michelle Putnam.
14. Sosnoff, J. J., Rice, L. A., Koon, L. M., Sanford, J. A., Remillard, E. T. (chair). (2019, November). *Rehabilitation technologies to support aging-in-place for people with long-term mobility disabilities*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.

15. Beer, J. M. (organizer), Rogers, W. A., Sanford, J. A., Remillard, E. T., Phillips, C., & Campbell, M.. (2019, October). *A panel discussion on human factors considerations for persons aging-in-place with disability*. Symposium presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.
16. Rogers, W. A., Sanford, J. A., Mitzner, T. L., & Remillard, E. T. (June 2019). *Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities*. International Association of Gerontology & Geriatrics, Gothenburg, Sweden.
17. Sosnoff, J. (organizer). (2019, April), *Illinois Multiple Sclerosis Research Day Conference* 150 participants including a wide range of stakeholders including industry, researchers, and persons with MS. Hosted at Illinois with attendance by Georgia Tech collaborators; TechSage had 4 posters on display and hosted a dinner meeting following the conference for industry representative and TechSage attendees.
18. Rogers, W. A., Sosnoff, J., & Gunderson, J. (organizing committee & participants) (2018, November). *A Dialogue on Disability*. This day-long session, organized by the College of Applied Health Sciences at UIUC, addressed the evolving needs of industry and fostered discussion on disability from a people, technology and hiring perspective. Industry participants included: HoneyWell, State Farm, RSM, Busey, Motorola Solutions, Sandia National Laboratories, and Grant Thornton.
19. Rogers, W. A. (organizing committee), Kesavadas, T., Mynatt, E., Alwan, M., & Sanford, J. A. (2018, November). *Engineering for an Aging Society*. 2018 Johns Hopkins Research Symposium on Engineering in Healthcare. Baltimore, MD.
20. Remillard, E. T. (chair), Rogers, W. A., Koon, L. M., & Sanford, J. A. (2018, November). *Technologies for Successful Aging with Disability: Understanding Support Needs*. Symposium presentation at The 2018 Annual Scientific Meeting of the Gerontological Society of America. Boston, MA.  
<https://doi.org/10.1093/geroni/igy023.2324>
21. Sanford, J. A. (chair), Sanford, J. A., Bickenbach, & J., Mihalidis, A. (2018, July). *Disability, Aging and Technology in the US and Canada: A Tale of Two Systems Workshop presentation* at The Rehabilitation Engineering Society of North America (RESNA) Annual Conference. Washington, DC.
22. Sanford, J. A. & Remillard, E. T., (chairs), Jones, B.D., Erickson, Z., Liu, L., & Alves, S. (2018, July). *Smart and Robotic Homes*. Workshop presentation at The Rehabilitation Engineering Society of North America (RESNA) Annual Conference. Washington, DC
23. Sanford, J. A. & Remillard, E. T., (chairs), Koon, L. M., Wang, R. & Gauthier-Beaupre, A. (2018, July). *Disability, Aging and Health*. Workshop presentation at *The Rehabilitation Engineering Society of North America (RESNA) Annual Conference*. Washington, DC.
24. Sanford, J. A. (chair), Mihailidis, A., & Chalghoumi, H. (2018, July). *Community Mobility, Participation and Health*. Workshop presentation at The Rehabilitation Engineering Society of North America (RESNA) Annual Conference. Washington, DC.
25. Rogers, W. A. (convener) (2018, May). *Technology Design to Support Successful Aging with Disability*. Symposium at *The International Society for Gerontechnology 11th World Conference of Gerontechnology*. St. Petersburg, FL. USA
26. Sanford, J. A. (chair) (2018, March). *UDT: Universal Design and Technology for Successful Aging with Disability*. Special track at SMART ACCESSIBILITY 2018, 3rd International Conference on Universal Accessibility in the Internet of Things and Smart Environments. Rome, Italy.
27. Sanford, J. A. (chair), Ruzic, L., Liu, Y. E., Harrington, C. N., Walker, B. N., & Ceccacci, S. (2017, July). *Universal Access: Product, Process or Panacea*. Symposium at The 19<sup>th</sup> International Conference on Human Computer Interaction (HCI). Vancouver, Canada.
28. Rogers, W. A., (chair), Gonzalez, E. T., Fain, W. B., Gandy-Coleman, M., Sanford, J. A., & Rebola, C.(2017, July). *Design of Technologies to Support Successful Aging with Disability*. Symposium at The International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting. San Francisco, CA

29. Sanford, J. A. & Gonzalez, E. T., (chairs), Jones, B. D., Rogers, W. A., & Kapusta, A. (2017, June). *Smart and Robotic Homes*. Workshop presentation at The Rehabilitation Engineering Society of North America (RESNA) Annual Conference. New Orleans, LA.
30. Rogers, W. A. (chair) & Gallagher, T. M. (2017, June). Meeting users' needs through technology: Guidance from policy and research. Workshop presentation at *The Rehabilitation Engineering Society of North America (RESNA) Annual Conference*. New Orleans, LA
31. Gonzalez, E. T., Sanford, J. A., Rogers, W. A., & Mitzner, T. M. (2017, March). RERC TechSAge *State of the Science Conference*. Georgia Institute of Technology, Atlanta, GA.
32. Phillips, C., Persaud, L., & Jones, B. (2016, November). *Aging and Technology Summit*. LeadingAge, Wireless RERC & Tools for Life: Assistive Technology Project, Georgia Tech | AMAC in Atlanta, GA
33. Rogers, W. A. (chair), (2016, November). A Spotlight on Technologies for Individuals Aging with a Disability. Symposium presentation at *The Gerontological Society of America 69<sup>th</sup> Annual Meeting*. New Orleans, LA. Participants: Elena Gonzalez, Ted Johnson, Tracy Mitzner, Jon Sanford; Discussant: Alex Mihailidis.
34. Sanford, J. A., (chair), (2016, July). *Universal Access: Process, Product or Prodigy*. Symposium presentation at Human Computer Interaction International 2016 (HCI 2015). Toronto, Canada.
35. Phillips, C., Persaud, L. & Jones, B. (2015, November). *Rapid Fire Innovation Design Practicum: Designing solutions to improve the lives of older adults*. Leading Age Technology and Aging Summit. Georgia Tech, Atlanta, GA.
36. Beer, J. (chair) (2015). *Assistive Technology for the Aging Population*. Symposium presentation at Human Computer Interaction International 2015 (HCI 2015). Los Angeles, CA.
37. Mitzner, T. L. (chair) (2015). *Technology Interventions for Older Adults*. Symposium presentation at Human Computer Interaction International 2015 (HCI 2015). Los Angeles, CA.
38. Whitlock, L. A., McLaughlin, A. C., Leidheiser, W., Gandy, M., & Allaire, J. C. (2014). *Know before you go: feelings of flow for older players depends on game and player characteristics*. Proceedings from the first ACM SIGCHI annual symposium on computer-human interaction in play (CHI PLAY '14).

## **Conference Presentations (Without Proceedings)**

### *(Upcoming)*

- Rice, L.A., Mumma, K., Olatunji S., Kang, J., Sanford, J. (2026) *Supporting the Needs of older adults aging with disability through Technology*. Accepted for presentation as an 8-hour invited pre-conference session at the Assistive Technology Industry Association (ATIA) 2026 Annual Conference, Jan. 27-31, 2026

### *(Past)*

- Rogers, W. A. (2025, August). *Understanding user needs of older adults with perceptual, mobility, and cognitive impairments*. Google Community Perspectives Series (virtual).
- Rice, L. A., & Rogers, W. A. (2025, May). *Technologies to support aging among people with long-term disabilities*. Association of University Centers on Disabilities (AUCD) Special Interest Group on Aging Webinar Series.

Commented [MOU2]: All need to be APA 7 style. not consistent.

- Lusardi, M., Trinh, M., Okoro, J., Tsai, Y.-L., Pohovey, J., Ramesh, A., Olatunji, S., Rogers, W., & Driggs-Campbell, K. (2025). Potential for robots to assist people with vision impairments with orientation and mobility. In *Second Annual Human Factors in Healthcare Robotics Summit*.
- Remillard, E. T., Mumma, K. T., & Rogers, W. A. (2025). Challenges with safety, security, and emergency preparedness for those aging with long-term disabilities: Technology implications. Presentation at the 14th ISG World Conference on Gerontechnology, Frankfurt, Germany.
- Rice, L. A., Jones, B., Driggs-Campbell, K., & Rice, I. M. (2025, May 12–16). Smart and robotic innovative technology to support people aging with disability. Accepted for presentation at the 2025 Rehabilitation Engineering Society of North America Conference, Chicago, IL.
- Atkinson, E., & Chen, Y.-A. (2025, May). The impact of app-assisted, in-home piano training on stroke survivors. Oral presentation at GSU Brains and Behavior (B&B) Retreat, Atlanta, GA.
- Chen, Y.-A., Koplun, R., McMahan, N., Norgaard, M., Weinberg, G., & Harrington, R. (2025, April). An in-home music-based app for upper extremity function: Preliminary data of resting-state fMRI. Poster presentation at GSU Lewis College Graduate Research Conference, Atlanta, GA.
- Rice, L., Jones, B., Driggs-Campbell, K., & Rice, I. (2025, May). Smart and robotic innovative technology to support people aging with disability [Session]. RESNA 2025, Chicago, IL, United States.
- Remillard, E. T., & Nickrent, M. (2025, May). Technology needs for users aging with disability: Subject matter expert insights on understudied groups. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, Chicago, IL.
- Rogers, W. A. (2025, April). *Living in interactive future environments: Supporting successful aging through technology*. University of Toronto, Mechanical and Industrial Engineering Distinguished Speaker Series, Toronto, Canada.
- Bhowmick, P., Remillard, E. T., Shahid, K., Rogers, W. A., & Rice, I. (2025). Understanding the needs of individuals with multiple sclerosis to guide the design of assistive technologies. *International Symposium on Human Factors and Ergonomics in Health Care (HFES)*, Toronto, Ontario, Canada. Poster presentation.
- Bhowmick, P., Shahid, K., Ren, Z., Rogers, W., Krishnan, G., & Rice, I. (2025, April 11). Understanding challenges & adaptive strategies for bathing & showering among adults with mobility disabilities: Insights for designing a soft robotic showerhead. HFES Midwest Regional Meeting, Purdue University, West Lafayette, IN.
- Shamberg, B., Tangonan, A. E., & Rice, L. (2025, April 26). Developing a fall detection and management system for wheelchair users [Poster presentation]. Accepted for presentation at the 2025 Undergraduate Research Symposium, University of Illinois at Urbana-Champaign, Champaign, IL.
- Remillard, E. T., Mitzner, T. L., Mumma, K. T., Tian, Y., & Djaja, J. (2025, March). Tele Tai Chi: Insights from older adults with mobility disabilities on using Zoom for a virtual exercise program. Poster presentation at the 2025 International Symposium on Human Factors and Ergonomics in Health Care, Toronto, Canada.
- Remillard, E. T. (2025, February). Engaging older adults and people with disabilities from underrepresented racial/ethnic groups in research. Invited presentation, Community-University Engagement to Support Aging and Disability Symposium, University of Illinois Urbana-Champaign (virtual).
- Kang, J., Lachs, E., Huang, K., Rice, L., & Rogers, W. A. (2025, January). Voice-activated digital assistants to support health and independence: Development and instructional support. Assistive Technology Industry Association Annual Meeting, Orlando, FL.
- Sanford, J. A. (2025). SmartBathroom Testbed: Study of transfer performance. Symposium on Designing Users to Support Aging with Disabilities, Assistive Technology Industry of America (ATIA) Annual Conference, January 31.

- Lusardi, M., Trinh, M., Okoro, J., Tsai, Y.-L., Pohovey, J., Ramesh, A., Olatunji, S., Rogers, W., & Driggs-Campbell, K. (2025). Potential for robots to assist people with vision impairments with orientation and mobility. *Second Annual Human Factors in Healthcare Robotics Summit*.
- Rice, L. A., Rogers, W., Sanford, J., Czaja, S., Boot, W., Charness, N., & Lazar, A. (2025). Technologies to support engagement for adults aging with and without disabilities. Presented as an 8-hour invited pre-conference session at the Assistive Technology Industry Association (ATIA) 2025 Annual Conference, Jan. 28–Feb. 1, 2025.
- Rogers, W., Sanford, J., Rice, I., & Rice, L. (2025, Jan. 30–Feb. 1). Supporting aging with long-term disabilities: TechSAge research & development. Assistive Technology Industry Association (ATIA), Orlando, FL.
- Rogers, W. A. (2024, December). Supporting Successful Aging through Technology Innovation. University of Illinois System & Illinois Mexican and Mexican American student (I-MMÁS) initiative program and the National Autonomous University of Mexico's (UNAM) Zaragoza Faculty of Higher Studies Symposium on Healthy Aging. (virtual).
- Rogers, W. A. (2024, December). *Living in interactive future environments: Supporting successful aging through technology*. Commissioned Training Program: Application of Advanced Assistive Technology in Occupational Therapy Practice, Institute of Advanced Allied Health Studies of the Hospital Authority, Hong Kong (virtual).
- Nickrent, M. S., Rehman, H., Sharp, B., Koon, L., & Rogers, W. A. (2024, November). Barriers and solutions to volunteering for older adults with disabilities. *Gerontological Society of America Annual Meeting*, Seattle, WA, USA.
- Mitzner, T. L., Remillard, E. T., & Mumma, K. T. (2024, November). Deploying Telewellness programs in the community: Barriers, facilitators, & potential. Presentation at the *2024 Gerontological Society of America Annual Scientific Meeting*, Seattle, WA.
- Chen, Y.-A., Johnstone, S. L., Solomon, A., Norgaard, M., Weinberg, G., Pargai, D., & Szyplski, E., & Sanford, J. (2024, November). A client-centered home training app of music-based therapy for upper extremity functions in older adults with stroke. Poster presentation at the *GSA Annual Scientific Conference*, Seattle, WA.
- Pargai, D., Weinberg, G., Chen, Y.-A., Norgaard, M., Rowland, M., Solomon, A., Johnstone, S., Nickerl, A., & Atkinson, E. (2024, November). The impact of accompaniment music on rehabilitation compliance and performance during music-based training in stroke. Oral presentation at the *ACRM Annual Conference*, Dallas, TX.
- Bhowmick, P., Remillard, E., Daliparthi, M., Shahid, K., Rogers, W. A., & Rice, I. (2024, November). Understanding challenges & adaptive strategies for bathing & showering among adults with mobility disabilities. *Gerontological Society of America Annual Scientific Meeting*, Seattle, WA.
- Kohl, G., Heniff, E., Dye, M., & Rogers, W. A. (2024, November). Navigating and enhancing healthcare communication: Challenges and strategies for late-deafened older adults. Presentation at the *2024 Gerontological Society of America Annual Scientific Meeting*, Seattle, WA.
- Johnstone, S. L., Solomon, A., Pargai, D., Szyplski, E., Weinberg, G., Norgaard, M., & Chen, Y.-A. (2024, October). App-based in-home music intervention for adults with stroke. Poster to be presented at the *GOTA Annual Conference*, Athens, GA.
- Solomon, A., Johnstone, S. L., & Chen, Y.-A. (2024, October). Technology-assisted in-home music-based intervention for adults with stroke. Poster to be presented at the *Association of Schools Advancing Health Professions (ASAHP) Annual Conference*, Atlanta, GA.
- Remillard, E. T., Mumma, K. T., & Rogers, W. A. (2024). Challenges with safety, security, and emergency preparedness for those aging with long-term disabilities: Technology implications. Presentation at

the 14th ISG World Conference on Gerontechnology, Frankfurt, Germany. <https://doi.org/10.4017/gt.2024.23.s.927.opb>

- Sanford, J. A. (2024). A universal design approach to development of care and rehabilitation robotic technologies for interdependence in toileting and bathing. Invited speaker at 2024 *International Symposium on Rehabilitation Research*, Seoul, Korea, September 26.
- Sanford, J. A. (2024, September). Universal design as an approach to sustainable gerontechnology. Presentation at the 14th ISG World Conference on Gerontechnology, Frankfurt, Germany.
- Rogers, W. A. (2024, September). Designing robots to improve quality of life for older adults. Keynote presentation at the 14th ISG World Conference on Gerontechnology, Frankfurt, Germany.
- Thompson, B., Coleman, M., & Jordan, K. (2024, September 25). Supporting aging in place with mobility impairments through annotated telepresence technology [Poster presentation]. *Georgia Tech and Shepherd Center Research Collaborative*, Atlanta, GA.
- Rice, L. A., & McDonagh, D. (2024, September 1–4). Empathic user-centered design of assistive technology: Consumer inspired innovation. 2024 *Conference of the Academy of Spinal Cord Injury Professionals*, Chicago, IL.
- Kang, J. (2024, August). Using digital home assistants and smart technologies for older adults with mobility disabilities. *Paralyzed Veterans of America Summit + Expo*, Anaheim, CA.
- Kang, J., Lachs, E., Huang, K., Rice, L., & Rogers, W. A. (2024, August). Enhancing independence: AI voice assistants and smart home technology for older adults with long-term mobility disabilities. *Colorado Clinical and Translational Sciences Institute CU-CSU Summit*, Aurora, CO.
- Remillard, E. T., & Mitzner, T. L. (2024, June). Telewellness: Using videoconferencing to deliver evidence-based programming to older adults in the community. *Healthy Aging Conference*, Georgia Department of Human Services, Division of Aging Services, Stone Mountain, GA.
- Chen, Y.-A., Rowland, M., Johnstone, S. L., & Solomon, A. M. (2024, May). App-based in-home music intervention for adults with stroke. Poster presentation at *GSU Brains and Behavior (B&B) Retreat*, Atlanta, GA.
- Rehman, H., Nickrent, M., & Rogers, W. A. (2024, April). Assistive technology for older adults with hearing disabilities: Archival analysis and literature. Oral presentation, *Undergraduate Research Symposium*, University of Illinois Urbana-Champaign.
- Dye, M., Heniff, E., Remillard, E., Mumma, K., Koon, L., & Rogers, W. (2024, April). Challenges and solutions in engaging in entertainment events for late-deafened older adults: An archival analysis. Poster presentation, *Undergraduate Research Symposium*, University of Illinois Urbana-Champaign.
- Mudd, E., Remillard, E. T., Rice, I., & Rogers, W. A. (2024, April). Archival analysis of bathing challenges faced by older adults. Poster presentation, *Undergraduate Research Symposium*, University of Illinois Urbana-Champaign.
- Pantoja, F., Remillard, E. T., & Rogers, W. A. (2024, April). Engaging older adults with disabilities from racial/ethnic minorities in research. Poster presentation, *Undergraduate Research Symposium*, University of Illinois Urbana-Champaign.
- Tangonan, A. E., Trier, G., Moy, K., & Shamberg, B. (2024, April 10). Fall management in wheelchair users (FaMe) [Poster presentation]. 2024 *Cozad New Venture Challenge*, University of Illinois at Urbana-Champaign, Champaign, IL, USA.
- Kang, J., Presti, P., Peeler, D., Mahajan, H., & Rice, R. (2024, March 21–23). Falls monitoring and management for individuals who use wheelchairs through wearable devices and mobile apps [Oral presentation]. *AOA INSPIRE 2024 Annual Conference and Expo*, Orlando, FL.
- Remillard, E. T., Koon, L. M., Miller, K., & Rogers, W. A. (2024, January). Everyday technology challenges among people aging with disability. Presentation at the *Assistive Technology Industry Association*, Orlando, FL.

- Mitzner, T. L., Remillard, E. T., & Mumma, K. (2024, January). The TechSage Tele Tai Chi Project: An overview. Presentation at the *Assistive Technology Industry Association*, Orlando, FL.
- Rice, L. A., Presti, P., & Peeler, D. (2024, January). Developing a fall detection system to monitor and manage falls for people who use wheelchairs. Presentation at the *Assistive Technology Industry Association*, Orlando, FL.
- Sanford, J. A., Jones, B., Presti, P., Murphy, K., & Herrera, A. (2024, January). SmartBathroom testbed: Study of transfer performance. Presentation at the *Assistive Technology Industry Association*, Orlando, FL.
- Mitzner, T.L., Remillard, E.T., Mumma, K.T., & Cochran, L. (2023, November). *Methods and Baseline Characteristics for the TechSage Tele Tai Chi Clinical Trial*. Presentation at the 2023 Gerontological Society of America Annual Scientific Meeting, Tampa, FL.
- Lee, H. & Rogers, W.A. (2023, November). *Exploring Wisdom in Persons Aging with Disability*. Presentation at the 2023 Gerontological Society of America Annual Scientific Meeting, Tampa, FL.
- Mumma, K.T., Remillard, E.T., Umar, T. Bhookya, D., & Rogers, W.A. (2023, November). *Understanding Everyday Needs of Older Adults With Macular Degeneration or Glaucoma*. Presentation at the 2023 Gerontological Society of America Annual Scientific Meeting, Tampa, FL.
- Sanford, J.A., Lee, S., Chen, Y., & Bhattacharjya, S. (2023, November). *Improving Rehabilitation Outcomes for People Aging with Long-term Hand Impairments*. Presentation at the 2023 Gerontological Society of America Annual Scientific Meeting, Tampa, FL.
- Shende, S. A., Koon, L., Singleton, J., & Rogers, W. A. (2023, November). *Understanding challenges and solutions for Deaf older adults*. Gerontological Society of America Annual Scientific Meeting, Tampa, FL.
- Umar, T., Remillard, E.T., & Rogers, W.A. (2023, October). *Unlocking Solutions: Enhancing Health and Wellness for Older Individuals with Vision Disabilities*. Chittenden Symposium, University of Illinois Urbana-Champaign.
- Sanford J, Chen Y-A, Lee S, Hsieh K, Mahajan HP, & Bhattacharjya, S. (2023 October). *Technology-assisted in-home music-based therapy for individuals with stroke*. Oral presentation at the ACRM Annual Conference, Atlanta, GA.
- Lee, S. (2023 October). *Parametric Modeling to Customize Assistive Technologies to Meet Needs of Individuals with Hand Impairments*. Oral presentation at the ACRM Annual Conference, Atlanta, GA.
- Bhattacharjya, S. (2023 October). *Digital Hand Rehabilitation System for People with Hand Impairments*. Oral presentation at the ACRM Annual Conference, Atlanta, GA.
- Hsieh, K. (2023 October). *Mobile Health for Fall Risk Screening for Individuals with Ambulatory Impairments*. Oral presentation at the ACRM Annual Conference, Atlanta, GA.
- Mahajan HP. (2023 October). *Falls Detection System for Wheelchair Users*. Oral presentation at the ACRM Annual Conference, Atlanta, GA.
- Umar, T., Remillard, E.T., & Rogers, W.A. (2023, September). *Understanding Digital Health Accessibility for Older Adults with Vision Impairment*. HFES Healthcare Symposium, Chicago, IL.
- Lachs, E., Hussaini, H., Lim, K., Blocker, K.A., & Rogers, W.A. (2023, July). *Assessing the potential of voice-activated digital home assistants for older adults with mobility disability*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, New Orleans, LA.
- Sanford, J., Lee, S., Bhattacharjya, S., Jones, B., Presti, P., Murphy, K., & Herrera, A. (2023, July). *Smartbathroom testbed: Study of Transfer Performance*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, New Orleans, LA.
- Rice, L., Presti, P., Peeler, D., Sosnoff, J., & Yehya, M. (2023, July). *Developing a fall detection system to monitor and manage falls*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, New Orleans, LA.

- Mumma, K., Mitzner, T., Remillard, E., & Cochran, L. (2023, July). *TechSage Telewellness Tool: Delivering inclusive wellness classes via videoconferencing*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference, New Orleans, LA.
- Johnson, T., Garbin, A., Allison, C., Dahal, C., Hill, J., Stevens-Lapsley, J., Lum, H., & Jones, B. (2023, May). *Implementing an Automated Gait Speed Measure in a Geriatric Clinic and the Impact on Clinic Workflow*. American Geriatrics Society Annual Meeting, Long Beach, CA.
- Dye, M. Lee, H, Koon, L.M., Remillard, E.T., Mumma, K.T., Rogers, W.A. (2023, April). *Advice from Aging With a Disability: A Qualitative Study on Wisdom*. Undergraduate Research Symposium, University of Illinois Urbana-Champaign.
- Bhookya, D., Remillard, E.T., Mumma, K.T., & Rogers, W.A. (2023, April). *Accessing Health Information: Challenges & Solutions Among People Aging with Vision Loss*. Undergraduate Research Symposium, University of Illinois Urbana-Champaign.
- Lachs, E., Hussaini, H., Lim, K., Blocker, K. A., Rogers, W. A. (2023, March). *Facilitators and barriers to older adults' use of digital home assistants: implications for informatics*. American Medical Informatics Association Informatics Summit, Seattle, WA.
- Hussaini, H., Blocker, K. A., Lachs, E., Lim, Ki., Rogers, W.A. (2023, March). *Instructional assessing the potential of voice-activated digital home assistants for older adults with mobility disability*. Stanford University Undergraduate Research Conference, Stanford, CA.
- Stanfield, A., Splitstone, M., Mois, G., Byers, C., & Rogers, W. A. (2022, November). *Connecting generations and preserving lived experiences: An Illinois age-friendly initiative*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Tissot, J., Ramadhani, W., Vergara, L., & Rogers, W. A. (2022, November). *Participatory research approach for evaluating home environment for older adults with disabilities*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Remillard, E.T., Koon, L.M., Mitzner, T.L., & Rogers, W.A. (2022, November). *Aging with Vision Loss: Exploring Everyday Activity Challenges and Opportunities for Technology Innovation*. Presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Mitzner, T. L., Remillard, E.T., Mumma, K.T, & Cochran, L. (2022, November). *TechSage Telewellness Tool: Guidelines for Delivering Inclusive Wellness Classes*. Presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Blocker, K., Lim, K., Hussaini, H., Williams, K., Sreenivas, R.S., & Rogers, W.A. (2022, November). *Assessing the Potential of Digital Home Assistants to Support Older Adults with Mobility Disability*. Presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Jones, B., Sanford, J.A., Lee, S., Bhattacharjya, S. (2022, November). *SmartBathroom 102: Studying Bathing Transfer Performance*. Presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Mumma, K.T., Remillard, E.T., & Rogers, W.A. (2022, November). *Personal Strategies for Managing Everyday Activity Challenges Among Adults Aging with Vision Loss*. Poster presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Thompson, B., (2022, November). *Supporting Aging in Place with Mobility Impairments Through Annotated Telepresence Technology*. Poster presentation at the 2022 Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
- Khamzina, M., (2022, November). *Conceptualizing Successful Aging in the Presence of Disability*. Presentation at the Gerontological Society of America Annual Scientific Meeting., Indianapolis, IN.
- Rice, L.A., Abou, L., Fliflet, A., Presti, P., Mahajan, H, Frechette, M., Sosnoff, J. (2022, October). *Development of an automated fall detection device specific to wheelchair users*. 13<sup>th</sup> World Conference of Gerontechnology. Daegu, Korea. (hybrid virtual conference).

- Rice, L.A. (2022, October 1) *Fall Prevention and Management 7<sup>th</sup> Annual Current Concepts in Spinal Cord Injury Rehabilitation Conference*, University of Pittsburgh Medical Center.
- Alnoubani, R., Remillard, E.T., & Rogers, W.A. (2022, October). Exploring Transportation Challenges among Adults Aging with Long-Term Vision Impairment. Presentation at the 66<sup>th</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Atlanta, GA.
- Rogers, W. A., & Stanfield, A. (2022, October). *CHART: Collaborations in Health, Aging, Research, and Technology*. 13<sup>th</sup> World Conference of Gerontechnology, Daeghu, Korea. (hybrid virtual conference).
- Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2022, October). *TechSAge: Rehabilitation engineering research center technologies to support aging-in-place for people with long-term disabilities*. 13<sup>th</sup> World Conference of Gerontechnology, Daeghu, Korea. (hybrid virtual conference).
- Rogers, W. A. (2022, September). *Technologies to support cognitive health*. 2022 International Conference on Aging in the Americas, Chicago, IL. (Note. Due to illness this was presented by Renato Azevedo & George Mois).
- Rice LA & Sosnoff JJ. (2022, September). *Comprehensive Fall Management Among Individuals Who Use a Wheelchair*. Academy of Spinal Cord Injury Professionals. Kansas City, MO,
- Phillips, C., Cox, A., Freidman, M. and Moreland, J. (2022) *Blazing the Crossroads: The Intersection of Health Literacy and Assistive Technology*. Advancing States Conference 2022, Washington, DC.
- Frechette, M.L., Rice, L.A. & Sosnoff, J.J. (2022). *The Usability of a Smartphone-Based Fall Risk Health Application for Adult Wheelchair Users*. Poster presentation at the International Symposium on Human Factors and Ergonomics in Health Care, New Orleans, LA.
- Koon, L.M. (2022, July). *Aging with Multiple Sclerosis: Exploring Everyday Activity Challenges and Technology User Needs*. Presentation at the 2022 Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference (virtual).
- Rice, L. (2022, July). *Developing a Fall Detection System to Monitor and Manage Falls*. Presentation at the 2022 Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference (virtual).
- Thompson, B. (2022, July). *Tools for Connected Home Technologies: Adjusting Telepresence Technology for Support*. Presentation at the 2022 Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference (virtual)
- Sanford, J.A. (2022, July). *SmartBathroom Data Visualization Tool to Inform OT Clinical Reasoning*. Presentation at the 2022 Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference (virtual).
- Dye, M. Burnham, F., & Rogers, W.A. (2022, April). *Barriers in Daily Living Activities for Deaf Older Adults: Analysis of ACCESS Study*. Undergraduate Research Symposium, University of Illinois Urbana-Champaign.
- Burnham, F., Dye, M., & Rogers, W.A. (2022, April). Understanding Qualitative Data: Coding Development for Deaf Participant Transcripts. Undergraduate Research Symposium, University of Illinois Urbana-Champaign.
- Rogers, W. A. (2021, December). *Recent advances in design of robots to support successful aging*. Human Factors and Ergonomics Society Europe Chapter (virtual).
- Ramadhani, W., & Rogers, W. A. (2021, November). *Personal and environmental challenges of aging in place with long-term mobility disabilities*. Gerontological Society of America Annual Scientific Meeting. (virtual).
- Ramadhani, W., Harris, M., & Rogers, W. A. (2021, November). *The intersectionality of person, space, and time for understanding aging in place*. Gerontological Society of America Annual Scientific Meeting. (virtual).
- Cohen, K., Mitzner, T. L. & Griffiths, P. C. (2021, November). *Acceptance of tele- technology-based mind-*

*body classes for individuals with mild cognitive impairment.* Presentation at the 2021 Annual Scientific Meeting of the Gerontological Society of America (virtual).

- Rogers, W. A. (2021, November). *Recent advances in design of robots to support successful aging.* Research Symposium – Innovative Solutions for Healthy Aging (virtual with joint meetings in Sweden & Calgary).
- Bayles, M. (2021, November). *Technology Solutions for Everyday Barriers Among Deaf Older Adults.* Symposia presentation at the 2021 Annual Scientific Meeting of the Gerontological Society of America (Virtual).
- Mitzner, T. L., Remillard, E., T., Cohen, K., & Cochran, L. (2021, November). *Delivering a Tai Chi intervention to adults aging with mobility disabilities using Zoom.* Symposia presentation at the 2021 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Sanford, J. A. (2021, November). *SmartBathroom Data Visualization Tool to Inform OT Clinical Reasoning .* Symposia presentation at the 2021 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Kadylak, T., Malecki, M., Galoso, L., Gowrishankar, S., Brown, A., Sreenivas, R.S., & Rogers, W.A. (2021 November). *Exploring use of digital home assistants for older adults: A demonstration project.* Symposia presentation at the 2021 Gerontological Society of America Annual Scientific Meeting (virtual).
- Remillard, E.T. Mitzner, T. L., Cohen, K., & Cochran, L. (2021, October). *Telewellness: Using Videoconferencing to Deliver Exercise Classes that Foster Social Connectedness for Older Adults with Mobility Disabilities.* American Public Health Association (APHA) Annual Meeting (virtual).
- Koon, L.M., Remillard, E.T, & Rogers, W.A. (2021, October). *Exploring Exercise Challenges and Response Strategies among Adults Aging with Long-Term Vision Disabilities.* American Public Health Association (APHA) Annual Meeting (virtual).
- Sosnoff J.J. (2021, September). *Characterizing mobility limitations in more advanced disability in Multiple Sclerosis.* 11<sup>th</sup> International Symposium on Gait and Balance in Multiple Sclerosis. (Virtual)
- Kadylak, T., Blocker, K.A, Gowrishankar, S., Malecki, M., Galoso, L., Khamzina, M., Ramavarapu, V., Sreenivas, R. S., & Rogers, W. A. (2021, July). *Demystifying digital home assistant devices for older adults with and without disabilities.* Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) 2021 Virtual Conference.
- Remillard, E.T., Koon, L.M. & Rogers, W.A. (2021, July). *Aging Concerns, Challenges, and Everyday Solution Strategies (ACCESS): A Snapshot of Archival Analyses.* Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) 2021 Virtual Conference.
- Rice, L., Presti, P., Sosnoff, J. & Mahajan, H. (2021, July). *Developing a Fall Detection System to Monitor and Manage Falls.* Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) 2021 Virtual Conference.
- Sosnoff, J., Frechette, M., Abou, L. & Rice, L. (2021, July). *Mobile Health Technology for the Assessment of Fall Risk in Non-Ambulatory Adults.* Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) 2021 Virtual Conference.
- Kibler, M., Phillips, C., & Wilson, R. (2021, May). *Assistive Technology Strategies and Solutions for Social Isolation.* Georgia Gerontology Society Presentation – Connecting Older Adults. Webinar. Atlanta, GA.
- Sosnoff, J.J. (June 2021). *Smartphones for community-based fall risk assessment.* International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). (Virtual – Keynote).
- Ramadhani, W. A. & Roger, W. A. (2021, May). *Housekeeping challenges and response strategies of older adults aging in place with a long-term mobility disability.* Environmental Design Research Association 52 Conference, Detroit, MI.

- Nie, Q. & Rogers, W.A. (2021, April). *Understanding Health Self-Management Challenges for Older Adults with and without Mobility and Sensory Disabilities*. HFES International Symposium on Human Factors and Ergonomics in Health Care (virtual).
- Shende, S. A., Koon, L. M., Bayles, M. A., Singleton, J. L., & Rogers, W. A. (2021, April). *Exploring Health Challenges & Response Strategies Among Older Deaf Adults*. HFES International Symposium on Human Factors and Ergonomics in Health Care (virtual).
- Mitzner, T. L., Remillard, E. T., Cohen, K., & Cochran, L. (2021, April). *TechSage Telewellness Tool: A 'How To' Guide for Facilitating Tele-Technology Delivered Wellness Classes to Older Adults*. HFES International Symposium on Human Factors and Ergonomics in Health Care (virtual).
- Mitzner, T. L. (2021, January). *Feasibility of Using Tele-Technology for Mind-Body Interventions for People with Mild Cognitive Impairment*. Symposia presentation at the Cognitive Empowerment Program Research Symposium (virtual).
- Housley, D. (2020, November). *Low Tech Solutions for Seniors with Vision Loss*. National Federation of the Blind of Georgia Convention. Online. Atlanta, GA.
- Mitzner, T. L., Remillard, E. T., Cohen, K., & Cochran L. (2020, October). *Tele tai chi: Lessons learned and initial findings from deploying a remote, evidence-based exercise intervention*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Jones, B. D. (2020, October). *Developing a Gait Speed Measurement Solution for the Clinical Workflow*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Mahajan, H. (2020, October). *SmartBathroom: Assessing Toilet Transfers with Different User-Selected Grab Bar Configurations*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Rice, L. A. (2020, October). *Fall Management Strategies for Wheelchair Users*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Rogers, W.A. (2020, October). *Understanding Everyday Activity Challenges for Individuals Aging with Multiple Sclerosis*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Lee, S., Bhattacharjya, S., & Sanford, J. A. (2020, October). *Linking Toilet Transfer Performance to Environmental Features and Design Characteristics: Application of Connell & Sanford's Framework to Toilet Transfers*. Poster presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Rathor, A, Mitzner, T. L. and Rogers, W. A. (2020, October). *Expression of Positive and Negative Affect When Discussing Everyday Challenges by Persons Aging with Mobility Disabilities*. Presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Cohen, K., Griffiths, P. C., & Mitzner, T. L. (2020, November). *Guidelines for using tele-technology to deliver mind-body interventions with people with Mild Cognitive Impairment*. Annual Scientific Meeting of the Gerontological Society of America. Late-Breaker Poster: Alzheimer's Disease and Related Dementias.
- Mitzner, T. L., Remillard, E.T., Cohen, K., & Cochran, L. (2020, November). *An Inclusive Design Approach in Translating an In-Person Evidence-Based Tai Chi Intervention to an Online Platform for Adults Aging with Long-Term Mobility Disability*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Mitzner, T. L. (2020, November). *Leveraging opportunities to advance the potential of technology to support independence and aging in place*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).

- Bayles, M., Koon, L.K., Remillard, E.T., & Rogers, W.A. (2020, November). *Identifying the Scope of Activity Support Needs for individuals Aging-in-Place with a Disability*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Sanford, J.A. (2020, November). *Creating Inclusive Design Experiences through Engaging Seniors with Disabilities in Student Hackathons*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Kadylak, T., Khaleghi, R., Blocker, K. A., Gownshankar, S., Ramadhani, W. A., Koon, L. M., Sreenivas, R. S., & Rogers, W. A. (2020, November). *Assessing and Selecting Digital Home Assistant Health Applications for Older Adults with Long-Term Mobility Disabilities*. Symposia presentation at the 2020 Annual Scientific Meeting of the Gerontological Society of America (virtual).
- Kadylak, T., Blocker, K. A., Ramadhani, W. A., Koon, L. M., Khaleghi, R., Kovac, C., Sreenivas, R. S., & Rogers, W. A. (2020, November). *Developing digital home assistant user guides for older adults with and without long-term mobility disabilities*. Presentation at the Gerontological Society of America (GSA) Annual Scientific Meeting Online (virtual).
- Housley, D. (2020, October). *AT at Mealtimes and Medication Management*. Association of Program for Rural Independent Living (APRIL) Conference. Online. Atlanta, GA.
- Mitzner, T. L., Cohen, K., & Griffiths, P. (2020, October). *Designing remote mind-body classes for older adults with MCI: Insights from subject matter experts*. Symposia presentation at the 97<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM; virtual).
- Nie, Q., Remillard, E. T., & Rogers, W. A. (2020, October). *Understanding Healthcare Challenges and Needs for Older Adults with and without Mobility and Sensory Disabilities*. Presentation at the International Society for Gerontechnology (ISG) 12<sup>th</sup> World Conference (virtual).
- Levy, L., Thompson, B., Gandy, M. (2020, October). *Contextualizing Smart Home Technologies with Augmented Reality Tools to Facilitate Aging in Place*. Poster presentation at the International Society for Gerontechnology (ISG) 12<sup>th</sup> World Conference (virtual)
- Ramadhani, W. A., Harris, M. T., & Rogers, W. A. (2020, October). *Aging in place: Perspectives across time and disciplines*. 12th World Conference of Gerontechnology, Trondheim, Norway (virtual).
- Koon, L. M., Bondarowicz, A., & Rogers, W. A. (2020, October). *Exploring Exercise Challenges & Response Strategies among Adults Aging with Long-Term Mobility Disability*. Poster presentation at the American Public Health Association (APHA) 2020 conference (virtual).
- Hsieh K.L. & Sosnoff J.J. (2020, October). *Developing a Fall Risk Algorithm for Independent Fall Risk Screening in People with Multiple Sclerosis*. Poster presentation at the International Symposium on Gait and Balance in Multiple Sclerosis. (Virtual).
- Remillard, E. T. & Mitzner, T. L., & (2020, September). *Tele Tai Chi: Translating an Evidence-Based Program to an Online, Social Experience*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
- Kadylak, T., Koon, L. M., Blocker, K. A., Ramadhani, W. A., Khaleghi, R., Kovac, C., Sreenivas, R. S., & Rogers, W. A. (2020, September). *Developing a Suite of Voice Activated Digital Home Assistant Applications and Instructional Materials for Older Adults with Mobility Disability*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
- Rice, L. A. (2020, September). *Developing a Fall Detection System to Monitor and Manage Falls*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).
- Jones, B. D. (2020, September). *Developing a Smartbathroom Environment to Study Bathroom Transfers and Enhance Personalization of Bathroom Fixtures*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Conference (virtual).

- Hsieh, K.L. & Sosnoff, J.J. (2020, August). *Assessing Postural Control with Smartphone Accelerometry in People with Multiple Sclerosis*. Poster presentation at the American Society of Biomechanics Conference (Virtual).
- Frechette, M.L., Abou, L., Rice, L. A., & Sosnoff, J. J. (2020, July). *The validity of a smartphone-based seated postural control assessment in non-ambulatory adults*. Poster presentation at the American College of Sports Medicine National Conference (virtual).
- Ramadhani, W. A. & Rogers, W. A. (2020, June). *Home accessibility of older adults aging with mobility disability: A mixed-methods study*. International Association of People-environment Studies 2020 Conference. Quebec City, Canada. <https://www.iaps2020.com/>
- Ramadhani, W. A. & Rogers, W. A. (2020, May). *Keeping up with housekeeping and maintenance: Challenges to age in place among older adults with a long-term mobility disability*. Health in Buildings Roundtable 2020 Conference, Bethesda, MD. <https://hibr.nih.gov/conference/cancelled-2020-hibr-conference> (Conference canceled)
- C. Phillips. (2020, March). *New Workplace Accommodation Decision Tools*. CSUN Annual Conference. Northridge, CA.
- Jones, B., Sanford, J., Lee, S., & Mahajan, H. (2020, January). *SmartBathroom: Enhancing Personalization of Assistive Technologies to Improve Bathroom Transfers*. 2020 Assistive Technology Industry Association (ATIA) conference: Orlando, FL.
- Mitzner, T. L. & Remillard, E. T. (2019, November). *A Telewellness Approach to Reduce Barriers to Group Exercise for Adults Aging with Mobility Disability*. Symposium presentation at the 2019 Annual Scientific Meeting of the Gerontological Society of America, Austin, TX.
- Harris, M., Koon, L. M., Remillard, E. T., Mitzner, T. L., & Rogers, W. A. (2019, November). *Identifying Community Participation Challenges for Adults Aging with Mobility or Sensory Disabilities*. Symposium presentation at the 2019 Annual Scientific Meeting of the Gerontological Society of America, Austin, TX.
- Koon, L. M., Blocker, K., & Rogers, W. A. (2019, November). *Voice-Activated Digital Assistants: Perceptions from Novice Users with Long-Term Mobility Disability*. Symposium presentation at the 2019 Annual Scientific Meeting of the Gerontological Society of America, Austin, TX.
- Thompson, B., Levy, L., & Gandy, M. (2019, November). *Supporting aging in place with the Internet of Things: meeting challenges of use through augmented reality tools*. To presented at the *Gerontological Society of America Annual Conference*, Austin, Texas.
- Rogers, W. A. (2019, November). *Technology design to support social engagement for older adults*. Gerontological Society of America Annual Meeting, Austin, TX.
- Blocker, K. A., Koon, L. M., Kadylak, T., Ramadhani, W. A., Khaleghi, R., Kovac, C., Sreenivas, R., & Rogers, W. A. (2019, November). *Smart Home Technology for Older Adults with Mobility Disabilities: Potential and Challenges*. Gerontological Society of America Annual Meeting, Austin, TX.
- Frechette, M.L., Hsieh, K.L., & Sosnoff, J.J. (2019, October). *Preliminary Investigation of Smartphone Accelerometry in Individuals With Multiple Sclerosis*. (Poster) 9<sup>th</sup> international symposium on gait and balance in MS: Technology for assessment and intervention.
- Rogers, W. A. (2019, October). *Needs assessment and technology use for people aging-in-place with long-term mobility and sensory impairments*. Panel presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.
- Sanford, J. A. (2019, October). *SmartBathroom technologies to promote aging-in-place with a disability*. Panel presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.
- Remillard, E. T. (2019, October). *Translating an In-Person Evidence-Based Tai Chi Intervention to Tele-Technology for Persons with Mobility Disabilities*. Panel presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.

- Phillips, C. P. (2019, October). *Designing for Aging-in-Place with Disability: Moving Knowledge to Practice*. Panel presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.
- Campbell, M. (2019, October). *Strategies to help close the gap between the promise and practice of technology-based solutions for older adults and individuals with disabilities*. Panel presentation at the 63<sup>rd</sup> international annual meeting of the Human Factors and Ergonomics Society (HFES), Seattle, WA.
- Koon, L. M. (November 2019). *Challenges with Managing Health & Basic Daily Living Activities among People Aging with Long-Term Mobility Disabilities: Opportunities for Technology-Based Solutions*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.
- Remillard, E. T. (November 2019). *Telewellness technologies: translating an evidence-based tai chi program to the home*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.
- Sosnoff, J. (November 2019). *Mobile health technology for the assessment of fall risk in non-ambulatory adults*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.
- Rice, L. (November 2019). *Developing a fall detection system to monitor and manage falls*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.
- Sanford, J. A. (November 2019). *SmartBathroom Technologies*. Symposium presentation at the 96<sup>th</sup> annual conference of the American Congress of Rehabilitation Medicine (ACRM), Chicago, IL.
- Levy, L. M. (2019, August). *Beyond Results: design considerations for scientifically valid games that empower users after play*. Presented at the National Science Foundation Game-based Assessment Conference. Minneapolis, Minnesota.
- Rogers, W. A. (2019, August). (1) *Collaborations in health, aging, research, and technology: University initiatives; and (2) Contributing to the solutions: Engaging in university research activities*. State Universities Annuitants Association (SUAA) Big 10 Conference University of Illinois at Urbana-Champaign Chapter, Champaign, IL.
- Blocker, K. A. (2019, August). *Research findings on Current and Novice Users of Digital Home Assistants*. State Universities Annuitants Association (SUAA) Big 10 Conference University of Illinois at Urbana-Champaign Chapter, Champaign, IL.
- Rust, M. & Wilson, R. (2019, June). *Taking Care, Taking Charge, Taking Control: Assistive Technology for Successful Aging*. Aging Disability Resource Centers, Healthy Communities Summit, Savannah, GA.
- Howard, D., Luukkonen, P., & Wilson, R. (2019, June). *Strengthening Your Service Delivery by adding an Assistive Technology Component*. National Aging Information and Referral Support Center, National Association of States United for Aging and Disabilities (NASUAD) Conference, Atlanta, GA.
- Housley, D. & Persaud, L. (2019 June). *Let's Talk About Self-Advocacy: Nothing About Us Without Us with Danny and Liz; AT for Hearing Access; Hey You! Digital Assistants as Assistive Technology; Tools for Successful Transition: Tools for Life and CIDI Services*. Institute Designed for Educating All Students (IDEAS), Saint Simons, GA.
- Sanford, J. A. (2019, June). *R&D direction of care robotics projects in North America*. Symposium presentation at RESNA Annual Conference with REHABWEEK 2019, Toronto, Canada.
- Rogers, W. A., Mitzner, T. L., Sanford, J. A., & Remillard, E. T. (2019, May). *Technologies to support successful aging-in-place with long-term disability*. Poster presentation at the 9th Congress of the International Association of Gerontology and Geriatrics – European Region (IAGG\_ER), Gothenburg, Sweden.

- Phillips, C. (2019, March). *AT strategies and solutions for people with neurodegenerative diseases*. Evergreen Medical. AT Symposium. Seattle, Washington.
- Phillips, C. (2019, March). *What's new in smart home technologies*. Presentation at AT3 National Leadership Symposium, Washington, DC.
- Blocker, K., Koon, L. M., McGlynn, S. A., & Rogers, W. A. (2019, March). *The potential of digital assistants to support health self-management for older adults*. Poster presentation at the Human Factors and Ergonomics Society (HFES) Health Care Symposium, Chicago Illinois.
- Koon, L. M., Mitzner, T. L., Harris, M., & Rogers, W. A. (2019, March). *Aging, disability, and needs for physical activity interventions*. Poster presentation at the Human Factors and Ergonomics Society (HFES) Health Care Symposium, Chicago Illinois.
- Harris, M., Remillard, E. T., Koon, L. M., Mitzner, T. L., & Rogers, W. A. (2019, March). *Understanding health technology use challenges for older adults with mobility or visual impairments*. Poster presentation at the Human Factors and Ergonomics Society (HFES) Health Care Symposium, Chicago Illinois.
- Mitzner, T. L., Remillard, E. T., Koon, L. M., Mackin, T., Beer, J., & Rogers, W. A. (2019, March). *The potential of tele-technology for delivering wellness interventions to adults aging with mobility impairments*. Poster presentation at the Human Factors and Ergonomics Society (HFES) Health Care Symposium, Chicago Illinois.
- Jacobs, B. (2019, February). *Accessing your world: What's new in environmental control technologies*. Presented via Webinar for the Assistive Technology Industries Association (ATIA), Atlanta, GA.
- Housley, D. (2019, February). *Finding the Fun(ding)*. Assistive Technology Industries Association (ATIA) Annual Conference, Orlando, FL.
- Phillips, C., Rust, M., & Wilson, R. (2019, February). *Assistive technology solutions lab: Strategies and demonstrations*. Learning Disabilities Association (LDA) Annual Conference, Fort Worth, TX.
- Persaud, L. & Wright, J. (2019, February). *Increasing AT service delivery through partnerships*. Assistive Technology Industries Association (ATIA) Annual Conference, Orlando, FL.
- Sanford, J. A. & Jones, B. D. (2018, November). *SmartBathroom*. Presentation at the Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
- Rogers, W. A, Koon, L. M., Hartley, J. Q., Mitzner, T. L., Harris, M. T., Remillard, E. T., & Singleton, J. L. (2018, November). *Aging concerns, challenges, and everyday solution strategies for individuals with disabilities*. Presentation at the Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
- Remillard, E. T., Mitzner, T. L., Sanford, J. A., & Rogers, W. A. (2018, November). *TechSage minimum battery*. Presentation at the Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
- Rogers, W. A. (2018, October). *Robots to support successful aging: Potential and challenges*. Human Factors and Ergonomics Society – Europe Chapter, Berlin, Germany.
- Mitzner, T. L., Koon, L., McGlynn, S. A., Hartley, J. Q., & Rogers, W. A. (2018, November). *Designing remote exercise classes for persons aging with mobility impairments: Insights from exercise instructors*. Presentation at the Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
- Phillips, C. & Housley, D. (2018, November). *InTouch with technology symposium! Technology for People that are DeafBlind*. Presentation and Assistive Technology Solutions and Access Labs showcase, Atlanta, GA.
- Altizer, R., Jacobs, B., & Levy, L. (2018, September). *Gaming for all: accessibility in gaming*. Panel presentation at DragonCon 2018, Atlanta, GA.
- Sanford, J. A. (2018, July). *Universal design for sustainable communities*. Healthy Aging Summit, Washington, D.C.

- Remillard, E. T., Koon, L. M., Mitzner, T. M., Singleton, J. L., & Rogers, W. A. (2018, July). *Understanding health management needs for individuals aging with mobility or sensory impairments*. Healthy Aging Summit, Washington, D.C.
- Erickson, Z. & Kemp, C. C. (July, 2018). *Robot-assisted dressing*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, Washington, DC.
- Jones, B. D., Sanford, J. A., Labean, T., Lee, S., Natarajan, P. Presti, P., & Taylor, R. (2018, July). *SmartBathroom: Developing an environment to study/facilitate bathroom transfers*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, Washington, DC.
- Remillard, E. T., Sanford, J. A., Jones, B. D., Koon, L. M., Mitzner, T. L., & Rogers, W. A. (2018, July). *RERC on technologies to support successful aging with disability*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Annual Conference, Washington, DC.
- Koon, L. M., Remillard, E. T., Mitzner, T. M., Singleton, J. L., & Rogers, W. A. (2018, July). *Aging concerns, challenges & everyday solution strategies (ACCESS)*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, Washington, DC.
- Koon, L. M., Harris, M. T., & Rogers, W. A. (2018, June). *Understanding exercise challenges and solutions for older adults aging with a mobility impairment*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA), Denver, CO.
- Sanford, J. A., Mitzner, T. L., & Rogers, W. A. (2018, May). *The TechSage technology intervention model for aging with or into disability*. International Society for Gerontechnology 11th World Conference of Gerontechnology, St. Petersburg, FL. USA
- Rebola, C. (2018, May). *Universal design as a strategy for technology design*. International Society for Gerontechnology 11th World Conference of Gerontechnology, St. Petersburg, FL. USA
- Harris, M. T., Koon, L. M., & Rogers, W. A. (2018, May). *The potential for technology to support managing one's health while aging with an impairment*. International Society for Gerontechnology 11th World Conference of Gerontechnology, St. Petersburg, FL. USA
- Gandy, M., Levy, L. M., Jones, B., Whi, D., & Nair, S. (2018, May). *Using augmented and virtual reality to support older adults in smart homes*. International Society for Gerontechnology 11th World Conference of Gerontechnology, St. Petersburg, FL. USA
- McGlynn, S. A., Hartley, J. Q., Mitzner, T. L., & Rogers, W. A. (2018, May). *Guidance from exercise instructors for designing remotely-led classes for older adults with mobility impairments*. International Society for Gerontechnology 11th World Conference of Gerontechnology, St. Petersburg, FL. USA
- Phillips, C., Kumar, A., & Wilson, R. (May, 2018). *Leveraging collaboration with Your AT act program*. Health and Human Services, Administration for Community Living, Regions III & IV, Aging Network Meeting and Technical Assistance Sessions, Atlanta, GA.
- Park, D., Hoshi, Y., Mahajan, H. P., Rogers, W. A., & Kemp, C. C. (2018, March). *Active feeding system using a general-purpose manipulator*. International Symposium on Medical Robotics (ISMR). Atlanta, GA.
- Rathor, A., Hartley, J. Q., Mitzner, T. L., & Rogers, W. A. (2018, March). *Expression of affect among older adults aging with a mobility impairment*. Poster presentation at the 14th Annual Undergraduate Research Spring Symposium, Georgia Institute of Technology.
- Farmer, Sarah. (2018, April). *Medication adherence technologies for older adults aging with a disability*. Paper presentation at the 39th Southern Gerontological Society Annual Meeting, Lake Lanier, GA.
- Alingu, F., Kumar, A., & Wilson, R. (2018, February). *The ins and outs of developing an AT lab*. Presentation at the 2018 Assistive Technology Industry Association in Orlando, FL.
- Persaud, L. & Phillips, C. (2018, February). *Medicaid: A look at reuse in current programs*. Presentation at the 2018 Assistive Technology Industry Association in Orlando, FL.
- Jacobs, B. & Perasad, L. (2018, February). *Accessing your world: What's new in environmental control technologies*. Presentation at the 2018 Assistive Technology Industry Association in Orlando, FL.

- Kumar, A. & Wilson, R. (2018, February). *What to wear? A closer look at wearable technology*. Presentation at the 2018 Assistive Technology Industry Association in Orlando, FL.
- Phillips, C., Jacobs, B., Persaud, L., & Wilson, R. (2018, January). *National assistive technology aging and dementia decision tree workshop*. Assistive Technology Industries Association (ATIA) Conference, Orlando, FL.
- Bartlet, M., Jacobs, B., Levy, L., & Straub, J. P. (2017). *Gaming for all: Accessibility features in video games*. 2017 DragonCon Panel, Atlanta, Georgia.
- Erickson, Z., Collier, M., Kapusta, A., & Kemp, C. C. (2017, September). *Investigating capacitive proximity sensing for tracking human pose during robot-assisted dressing*. Workshop on Assistance and Service Robotics in a Human Environment, IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2017), Vancouver, BC, Canada.
- Upadhaya, R., Oswal, A., & Jones, B. (2017). *Addressing the alerting needs of older adults to age in place*. Paper presentation at the 8<sup>th</sup> International Conference on Applied Human Factors and Ergonomics (AHFE), Los Angeles, CA.
- Walker, B. N., Tomlinson, B. J., & Schuett, J. H., (2017, July). *Universal design of mobile apps: Making weather information accessible*. Paper presentation at the 19<sup>th</sup> International Conference on Human Computer Interaction (HCI), Vancouver, Canada.
- Harrington, C. N., Ruzic, L., & Sanford, J. A. (2017, July). *Universally accessible mHealth apps for older adults: Towards increasing adoption and sustained engagement*. Paper presentation at the 19<sup>th</sup> International Conference on Human Computer Interaction (HCI), Vancouver, Canada.
- Sanford, J. A. (2017, July). *Achieving universal design: one if by product two if by process and three if by panacea*. Paper presentation at the 19<sup>th</sup> International Conference on Human Computer Interaction (HCI), Vancouver, Canada.
- Ruzic, L. (2017, July). *Usability of mobile consumer applications for individuals aging with multiple sclerosis*. Paper presentation at the 19<sup>th</sup> International Conference on Human Computer Interaction (HCI), Vancouver, Canada.
- Liu, Y. E. (2017, July). *Assess user needs for time-related information to design an airport guide system*. Paper presentation at the 19<sup>th</sup> International Conference on Human Computer Interaction (HCI), Vancouver, Canada.
- Sanford, J. A., Guhathakurta, S., Melgen, S., & Zhang, G. (2017, July). *Application for locational intelligence and geospatial navigation v. 2.0*. Symposium presentation at the International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting, San Francisco, CA.
- Fain, B., Farmer, S., Owens, S., Fausset, C., & Foster, A. (2017, July). *Medication adherence facilitators and barriers for older adults with disabilities*. Symposium presentation at the International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting, San Francisco, CA.
- Gonzalez, E. T., Mitzner, T. L., Singleton, J. L., & Rogers, W. A. (2017, July). *Aging concerns, challenges, & everyday solution strategies (ACCESS) of individuals with impairments*. Symposium presentation at the International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting, San Francisco, CA.
- Levy, L. & Gandy-Coleman, M. (2017, July). *Designing serious games for older adults*. Symposium presentation at the International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting, San Francisco, CA.
- Rebola, C. (2017, July). *Developing a competition to advance technology design for the aging with disability population*. Symposium presentation at the International Association of Gerontology & Geriatrics, Gerontological Society of America 21<sup>st</sup> Annual Meeting, San Francisco, CA.

- Gonzalez, E. T., Sanford, J. A., Rogers, W. A., & Mitzner, T. M. (2017, June). *RERC on technologies to support successful aging with disability*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, New Orleans, LA.
- Gallagher, T. M. & Rogers, W. A. (2017, June). *Meeting users' needs through technology: Guidance from policy and research*. Workshop presentation at the Rehabilitation Engineering Society of North America (RESNA) Annual Conference, New Orleans, LA
- Rogers, W. A. (2017, July). *Building a research facility at the University of Illinois Urbana-Champaign*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, New Orleans, LA.
- Kapusta, A. & Kemp, C. C. (2017, July). *A mobile manipulator and a robotic bed for robotic assistance*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, New Orleans, LA.
- Stuck, R. E., Hartley, J. Q., Mitzner, T. L., Beer, J. M., & Rogers, W. A. (2017, March). *Understanding attitudes of older adults with mobility impairments toward telepresence technology*. Poster presented at the 12th ACM/IEEE International Conference on Human-Robot Interaction (HRI '17), Vienna, Austria.
- Phillips, C. & Groenendaal, R. (2017, March). *Policy to practice: Assistive technology and aging*. Aging in America Conference - American Society on Aging. Chicago, IL.
- Phillips, C. & Wilson, R. (2017, January). *National assistive technology & aging and dementia decision tree workshop*. Assistive Technology Industries Association (ATIA) Conference, Orlando, FL.
- Gonzalez, E. T., Singleton, J. L., Mitzner, T. M., & Rogers, W. A. (2016, November). *Everyday technology use among deaf older adults*. Paper presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Preusse, K. C., Gonzalez, E. T., Singleton, J. L., Mitzner, T. L., & Rogers, W. A. (2016, November). *Aging with impairment: Needs assessment insights from subject matter experts*. Paper presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Gonzalez, E. T., Fausset, C. B., & Fain, W. B. (2016, November). *Overcoming challenges in the home: Solutions from older adults with long-term mobility impairment*. Symposium presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Sanford, J. A., Guhathakurta, S., Melgen, S., & Zhang, G. (2016, November). *Application for locational intelligence and geospatial navigation (ALIGN)*. Symposium presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Mitzner, T. L., Hartley, J., Stuck, R., Chan, L., Beer, J. M., & Rogers, W. A. (2016, November). *"Being there": attitudes about televideo technology for adults aging with a mobility impairment*. Symposium presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Vandenberg, A. E., Johnson, T. M., Jones, B. D., Clevenger, C., Nadel, L., Vaughan, C., Master, V., & Perkins, M. (2016, November). *Technology solutions? Simpler. Clinical implementation in physically frail older adults? Involved*. Symposium presentation at the Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Bixter, M. T., Prakash, A., Blocker, K. A., Mitzner, T. L., & Rogers, W. A. (2016, November). *A qualitative analysis of the adoption and use of social communication technologies by older adults*. Gerontological Society of America 69<sup>th</sup> Annual Meeting, New Orleans, LA.
- Rogers, W. A. (2016, September). *Psychological research to guide technology design that supports successful aging*. The 14th Psychology and Aging Congress. Bordeaux, France.
- Rogers, W. A. (2016, September). *Reaching the potential of technology to support healthy aging: From apps to robots*. Inria Research Center "Interfaces" Aquitaine Scientific Symposium for Digital Sciences. Bordeaux, France.
- Mitzner, T.L., Stuck, R. E., Hartley, J., Chan, L., Beer, J. M., & Rogers, W. A. (2016, September). *Televideo technology: Benefits and barriers perceived by older adults with a mobility impairment*. Presented at the 10th World Conference on Gerontechnology. Nice, France.

- Hartley, J. Q., Mitzner, T. L., Matalenes, L., & Rogers, W. A. (2016, August). *Activity self-efficacy*. Presented at the Annual Meeting of the Georgia Gerontological Society. Jekyll Island, GA.
- Liu, Y. E., Harrington, C. N., Melgen, S., & Sanford, J. A. (2016, July). *GatePal—Universal design for airport navigation to allow departing travelers to stay informed*. Paper presentation at the Human Computer Interaction International 2016 (HCI 2016), Toronto, Canada.
- Ruzic, L., Lee, S., Liu, Y. E., & Sanford, J. A. (2016, July). *Development of universal design mobile interface guidelines (UDMIG) for aging population*. Paper presentation at the Human Computer Interaction International 2016 (HCI 2016), Toronto, Canada.
- Sanford, J. A., & Gonzalez, E. T. (2016, July). *RERC TechSage: Making a difference to the lives of older adults with disability through design and technology*. Paper presentation at the Human Computer Interaction International 2016 (HCI 2016), Toronto, Canada.
- Mitzner, T. L., Sanford, J. A., Gonzalez, E. T., & Rogers, W. A. (2016, July). *RERC on technologies to support successful aging with disability*. Workshop presentation at the Rehabilitation Engineering and Assistive Technology Society (RESNA) 2016 Annual Conference, Arlington, VA.
- Mitzner, T. L., Stuck, R., Hartley, J., Chan, L., Beer, J. M., & Rogers, W. (2016, July). *Televideo technology: Benefits and barriers perceived by older adults with a mobility impairment*. International Society for Gerontechnology, Nice, France.
- Singleton, J. L., Gonzalez, E. T., Rogers, W. A., & Mitzner, T. L. (2016, July). *Everyday technology use by deaf seniors*. Workshop presentation at the 2016 National Association of the Deaf Conference, Phoenix, AZ.
- Wilson, R. (2016, June). *Tools for life and money follows the person*. Aging and Disability Resource Center (ADRC) Conference 2016, Atlanta, GA.
- Gonzalez, E. T., Mitzner, T. L., Rogers, W. A., & Sanford, J. A. (2016, June). *TechSage at Georgia Tech: Technologies to support successful aging with disability*. Workshop presentation at the 2016 Aging and Disability Resource Center (ADRC) Healthy Communities Summit, Atlanta, GA.
- Wilson, R., Housley, D., & Peters, S. (2016, May). *Sharpening your skills: Exploring assistive technology toolkits*. TFL Outreach Site: Coastal Regional Commission of GA Area Agency on Aging, Darien, GA.
- Vandenberg, A. E., Johnson, T., Clevenger, C., Nadel, L., Perkins, M., Vauhgan, C., Master, V., & Jones, B. D. (2016, May). *“Everybody don’t have the same stride”: Clinic staff views on gait speed measurement applications*. Poster presentation at the 2016 Annual Scientific Meeting of the American Geriatrics Society, Long Beach, CA.
- Johnson, T. M., Capezuti, E., Whalen, T., Vandenberg, A. E., Taylor, T., & Cohen, M. (2016, May). *Predicting resident bed exits in long-term care*. Presentation at the 2016 Annual Scientific Meeting of the American Geriatrics Society, Long Beach, CA.
- Johnson, T. M., Ray, J., Ake, B., Goese, D., Jones, B. D., & Folds, D. (2016, May). *A pilot test of an in-home, minimally intrusive sensor kit for nocturia*. Poster presentation at the 2016 Annual Scientific Meeting of the American Geriatrics Society, Long Beach, CA.
- Phillips, C. & Rust, M. (2016, April). *“Assistive technology solutions for successful aging.”* Pacific Rim International Conference. Honolulu, Hawaii.
- Preusse, K. C., Gonzalez, E. T., Mitzner, T. L., Singleton J. L., & Rogers, W. A. (2016, April). *Older adults with visual impairments: Potential barriers to social connectedness*. Cognitive Aging Conference, Atlanta, GA.
- Sanford, J. A. & Gonzalez, E. T. (2016, April). *Universal design for aging*. Environments for Aging 2015 Annual Conference, Austin, TX.
- Jacobs, B., Persaud, L. & Wilson, R. (2016, March). *Tools for life: Exploring assistive technology strategies*. Georgia Alliance for Health Literacy Meeting, Atlanta, GA.

- Rogers, W. A. (2016, March). *Aging and technology: How do we know what works?* Invited presentation at the University of Kansas Gerontology Center. Lawrence, KS.
- Sanford, J. A. (2016, March). *The past, present and future of design and technology for aging in place.* 2016 Builder/Remodeler Expo, Atlanta, GA.
- Persaud, L. (2016, March). *What's new in assistive technology.* AADD Partners in Policymaking, Atlanta, GA.
- Rogers, W. A., Mitzner, T. L., Sanford, J. A., & Gonzalez, E. T. (2016, February). *Technologies to support successful aging with disability: Research, design, and training efforts.* Poster Presentation at the Rehabilitation Psychology 2016 Conference, Atlanta, GA.
- Phillips, C. (2016, February). *Assistive technology (Echt & Saunders) 102 – Diving below the surface.* International Learning Disabilities Association, Orlando, FL.
- Persaud, L. (2016, January). *Access and explore! Using environmental control in transition.* Assistive Technology Industries Association (ATIA), Orlando, FL.
- Phillips, C. (2015, December). *Assistive technology solutions for aging successfully with a disability.* TASH Conference, Portland, OR.
- Phillips, C. & Persaud, L. (2015, November). *Emerging technology.* Georgia Tech, Leading Age Technology and Aging Summit, Atlanta, GA. Harrington, C. N. & Bruce, C. (2015, November). *Accessibility hackathon.* 3-Hour Workshop at the Southeast Women in Computing (SEWIC) Conference, Atlanta, GA.
- 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.* Technology and Aging Interest Group Symposium, Gerontological Society of America 68<sup>th</sup> Annual Meeting, Orlando, FL.
- Rogers, W. A. Harrington, C. N., Barg-Walkow, L., Hartley, J. Q., & Mitzner, T. L. (2015, November). *Designing a quick start guide for Kinect game use by older adults.* Gerontological Society of America 68<sup>th</sup> Annual Meeting, Orlando, FL.
- 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 68<sup>th</sup> Annual Meeting, Orlando, FL.
- Rogers, W. A., Singleton, J., Mitzner, T. L., Gonzalez, E., & Preusse, K. C. (2015, October). *Needs assessment of individuals aging with impairment.* 2015 Annual Meeting of the Human Factors and Ergonomics Society Europe (HFES Europe), Groningen, Netherlands.
- Harrington, C. N., Mitzner, T. L., & Rogers, W. A. (October, 2015). *Identifying the gaps in available assistive technologies to support healthy aging.* 2015 Annual Meeting of the Human Factors and Ergonomics Society Europe (HFES Europe), Groningen, Netherlands.
- Solomon, R., (2015, October). *Food for thought: Developing a cognitive training game for older adults.* GVU Fall Research Showcase, Georgia Institute of Technology, Atlanta Georgia.
- Persaud, L. (2015, October). *Tools for life: Exploring assistive technology strategies & solutions.* Berry College, Department of Psychology, Rome, GA.
- Gandy, M., Levy, L. M., Solomon, R., & Riedl, M. (2015, September). *An online eco-system for game studies: Studying the validity and value of assessment games.* Invited talk at ACT, Inc. headquarters.
- Phillips, C., Persaud, E., & Levy, L.M. (2015, September). *Gaming with disabilities.* 2015 DragonCon Panel, Atlanta, Georgia.
- Singleton, J. L., Mitzner, T., & Rogers, W. (2015, August). *Healthy aging.* Interactive Workshop presentation to Deaf Seniors of America conference, Asheville, NC.
- Rogers, W. A. & Mitzner, T.L. (2015, August). *Technologies to support successful aging with disabilities: A framework for design.* American Psychological Association, Toronto, Canada.

- Gandy Coleman, M., Solomon, R., Levy, L., Thompson, B., Murray, B., Whitlock, L. A., McLaughlin, A., & Allaire, J. (2015, August). *Exploring motivating game elements for older adults in two studies of long-term play*. Human Computer Interaction International 2015 (HCII 2015), Los Angeles, CA.
- Sanford, J. A. (2015, August). *Universal design as an approach to technology intervention for seniors*. Human Computer Interaction International 2015 (HCII 2015), Los Angeles, CA.
- Phillips, C. & Wilson, R. (2015, June). *Ready to launch: Assistive technology supports for positive transitions*. IDEAS Conference, St. Simons, GA.
- Mitzner, T. L., Rogers, W. A., & Sanford, J. A. (2015, June). *Moving forward with technologies for successful aging with disability*. Workshop presentation at the Rehabilitation Engineering and Assistive Technology Society (RESNA) 2015 Annual Conference, Denver, CO.
- Fausset, C. B., Gonzalez, E., & Fain, W. B. (2015, April). *Part 2: Aging with mobility impairment: Understanding challenges in the home*. In *Deep dive session on Georgia Tech HomeLab*. Environments for Aging 2015 Annual Conference, Baltimore, MD.
- Rogers, W. A., Mitzner, T. L., Hartley, J. Q., & Harrington, C. N. (2015, April). *Identifying the potential of exergame interventions: An analysis of use challenges for novice older adults*. International Association of Gerontology and Geriatrics European Region Congress, Dublin, Ireland.
- Sanford, J. (2015, April). *Technologies to support successful aging with disability*. College of Architecture (CoA) Research Forum Series, Georgia Institute of Technology, Atlanta, GA.
- Williams, C. & McClellan, A. (2015, April). *Increasing visual accessibility of food for thought*. Human Factors and Applied Cognition Graduate Student Poster Session. North Carolina State University, Raleigh, NC.
- Phillips, C. (2015, March). *Here's hope: Assistive technology supporting positive mental health*. CSUN International Disability Conference, San Diego, CA.
- Phillips, C. (2015, February). *AT 102: Back to the basics: Tablets, apps and LD*. Learning Disability Association Conference, Chicago, IL.
- Phillips, C. (2015, February). *Tracking trends and transferring knowledge*. Integrating UDL and AT to Close the Gap Conference. Griffin, GA.
- Phillips, C. & Persaud, L. (2015, January). *Assistive technology solutions for successful aging*. ATiA Conference, Orlando, FL.
- Persaud, L. (2014, December). *Tracking trends in assistive technology*. Visiting Nurse Health System, Long-Term Care Staff and Directors Annual Meeting, Atlanta, GA.
- Persaud, L. (2014, November). *Technology innovations empowering independence and health: Active research to on the market*. Leading Age Georgia Conference, Atlanta, GA.
- Beer, J. M., & Rogers, W. A. (2014, November). *Perceptions of usefulness for robot assistance: Differences between older adults with and without mobility loss*. Poster presentation at the Gerontological Society of America 67th Annual Meeting, Washington, DC.
- Harrington, C. N., Mitzner, T. L., & Rogers, W. A. (2014, November). *Understanding everyday task challenges for older adults with and without disabilities*. Poster presentation at the 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*. Poster presentation at the Gerontological Society of America 67th Annual Meeting, Washington, DC.
- Rogers, W. A., Singleton, J. L., Mitzner, T. L., & Chang, E.Y. (2014, November). *Experiences with technology by older adults in the deaf community*. Poster presentation at the Gerontological Society of America 67th Annual Meeting, Washington, DC.
- Persaud, L. & Phillips, C. (2014, September). *Assistive technology solutions for successful aging*. LeadingAge Conference - AT Lab & 3 sessions, Peachtree City, GA.

- Sanford, J. A. & Griffiths, P. (2014, September). *Enhancing integration of technology into aging services through academic and practice*. IAHS – CAST Applied Research Forum on Technology and Aging Services, Amsterdam, The Netherlands.
- Persaud, L. & Phillips, C. (2014, August). *Assistive technology solutions for successful aging*. DAS Systems Integration Conference - AT Lab & 3 sessions, Peachtree City, GA.
- Phillips, C. (2014, July). *Discovering personal genius*. Arizona AT & Disability Conference, Phoenix, AZ.
- Singleton, J. (2014, July). *Healthy aging in the deaf community*. Workshop presentation at the 2016 National Association of the Deaf Conference, Atlanta, GA.
- 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.
- Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2014, June). *Current and future directions in technologies for successful aging with disability*. Workshop presentation at the Rehabilitation Engineering and Assistive Technology Society (RESNA) 2014 Annual Conference, Indianapolis, IN.
- Sanford, J.A. & Jones, B. (2014, June). *The smart bathroom: UD through integrating physical and digital worlds*. International Conference on Universal Design, Lund, Sweden.
- Singleton, J. L., Mitzner, T. L., & Rogers, W.A. (2014, June). *Research on technologies to support successful aging with disability*. Poster presentation at the Effective Access Technology Conference, Rochester, NY.
- Kemp, C. C. (2014, May). *Human-machine interaction and assistance in future systems-physical aspects*. Computing Visions 2025: Interacting with the Computers All Around Us, Washington, D.C.

## **Invited Presentations**

1. Rice, L.A., Rogers, W. (2025, May 6). Technologies to Support Aging among People with Long-Term Disabilities. Association of University Centers on Disability, Aging Special Interest Group.
2. Rice, L.A., Rogers, W., Sanford, J., Czaja, S., Boot, W., Charness, N, Lazar, A. (2025, Jan. 28-Feb. 1) Technologies to Support Engagement for Adults Aging with and without Disabilities. Presented as an 8 hour, invited pre-conference session at the Assistive Technology Industry Association (ATiA) 2025 Annual Conference, Orlando, FL
3. Remillard, E.T. (2024, August). *Technology for Aging with Disability*. Invited presentation at the Atlanta Senior Care Network Niche, Atlanta, GA.
4. Driggs-Campbell, K. R. Introducing WayBot: A Wayfinding Assistant Robot for People with Visual Impairments, 7th Illinois AI and Health Summit, April 2024.
5. Johnstone SL, Tenorio-Zelada A, & Chen Y-A. (2024 February). Technology-based in-home music interventions for people aging post-stroke. Poster presentation at GSU Aging Research Conference (ARC), Atlanta, GA. (Local conference, referred)
6. Rogers, W. A. (2023, November). *Living in Interactive Future Environments: Supporting Successful Aging*. University of Illinois Urbana-Champaign Alumni Association Webinar Series (virtual).
7. Rogers, W. A. (2023, November). *Technology Design for Successful Aging*. Georgia Institute of Technology School of Psychology Colloquium Series, Atlanta, GA.
8. Rogers, W. A. (2023, November). *Designing robots to support older adults: Human factors/ergonomics considerations*. Associação Brasileira de Ergonomia (ABERGO) [Brazilian Association of Ergonomics], Florianópolis, Brazil.
9. Rogers, W. A. (2023, November). *Living in Interactive Future Environments: Supporting Successful Aging through Technology Innovation*. Federal University of Santa Catarina, Florianópolis, Brazil.

10. Rogers, W. A. (2023, October). *Robots to Enable Independent Living of Older Adults with Mobility Limitations*. Gerontech and Innovation Expo cum Summit (GIES) hosted by the Hong Kong Special Administrative Region Government and Hong Kong Council of Social Service. (virtual)
11. Rogers, W. A. (2023, October). *Living in Interactive Future Environments: Supporting Successful Aging through Technology Innovation*. McMaster Institute for Research on Aging, Toronto, Canada.
12. Rogers, W. A. (2023, September). *Living in Interactive Future Environments: Supporting Successful Aging*. University of Illinois Urbana-Champaign Sponsored Projects and Research Compliance (SPaRC) Retreat, Urbana, IL.
13. Rice, L.A. (2022, October). *Fall Prevention and Management Among Individuals who use Wheelchair*. Invited for presentation at Inha University, Republic of Korea (invitation)
14. Remillard, E.T., Wilson, R., Mitzner, T. L., & Kibler, M. (2022, November). *The New Age of Aging: CIDI Services and Research*. Invited Lunch and Learn presentation for the Center of Inclusive Design and Innovation (virtual).
15. Mitzner, T. L. (2022, October). Invited seminar speaker. *Design for disability and aging*, Accessibility Innovation team at Microsoft, Virtual, 2022.
16. Rice, L.A. (2022, Sept) *Fall Prevention and Management Among Wheelchair Users: Current Research and Practice Strategies*. Invited for presentation at University of Kansas Medical Center, Department of Physical Therapy.
17. Mitzner, T. L. (2022, September). *Aging in Place: How Technology is Transforming the Care Delivery Model*. Invited Panelist at Health Connect South Conference. Georgia Aquarium, Atlanta, GA.
18. Rogers, W.A. (2022, July). AARP and the United Nations Office of the Secretary-General's Envoy on Technology Network for the Digital Inclusion of Older Persons Inclusive Design Roundtable.
19. Remillard, E.T. (2022, July). *The Future is Now: Exploring the Intersection of Human Touch & Tech in Aging*. Invited panelist at the 8<sup>th</sup> Annual Wharton DC Innovation Summit, Washington, DC.
20. Remillard, E.T. (2022, July). *Healthcare & Wellness Technology: Evolution to Revolution*. Invited panelist at the 8<sup>th</sup> Annual Wharton DC Innovation Summit, Washington, DC.
21. Remillard, E.T. (2022, July). *Innovation in the game of life and how we play it*. Invited panelist at the 8<sup>th</sup> Annual Wharton DC Innovation Summit, Washington, DC.
22. Thompson, B., Gandy, M., Posner, N., Jordan, K. (2022, May 4). *Augmented and Virtual Reality Tools to Enhance Acceptance and Adoption of Connected Home Technologies*[Poster Presentation]. TechSAGE State of the Science 2022, Chicago, Illinois.
23. Rogers, W.A. (2022, February). National Institute on Disability, Independent Living, and Rehabilitation Research *Using Virtual Research Methods for Data Collection with People with Cognitive Disability Challenges, Limitations, and Solutions*.
24. Rogers, W.A. (2022, February). World Health Organization-International Society for Gerontechnology (WHO-ISG) *Collaboration on Assistive Technologies for Healthy Ageing*.
25. Rogers, W.A. (2022, January). MATTER & RRF Foundation for Aging Roundtable *Reducing Social Isolation & Loneliness in Older Adults*. S
26. Rogers, W.A. (2021, November). University of Chicago & University of California Santa Barbara *Internet Frontiers and Opportunities Workshop: Healthcare Panel*. Chicago, IL.
27. Persaud, L. (2021 November). *Exploring Disability Awareness*. Atlanta Regional Commission. Online. Atlanta, GA.
28. Hughes, T. (2021 November). *Assistive Technology Strategies and Solutions for Sensory*. Cobb Senior Services Virtual Resource Fair. Online. Atlanta, GA.
29. Rogers, W. A. & Kadylak, T. (2021, October). *Longitudinal Demonstration Project Update: Voice-Activated Digital Assistants to Support Independence and Social Engagement*. Invited talk at the East Central Illinois Area Agency on Aging Board Meeting.
30. Hughes, T. & Persaud, L. (2021 October). *Tools for Life: Exploring Assistive Technology Strategies and*

- Solutions. County Public Library System. Online. Atlanta, GA.
31. Kadylak, T. (2021, September). Invited talk at the monthly meeting of the East Central Illinois Area Agency on Aging Meeting.
  32. Rogers, W. A. (2021, September). *CHART: Collaborations in Health, Aging, Research, and Technology*. OSF Healthcare Grand Rounds.
  33. Remillard, E.T. (2021, Sept. 15). *Transportation Challenges for Persons Aging with Mobility Disability: Qualitative Insights and Policy Implications*. Invited for presentation at the virtual State-of-the-Science Conference session: Factors Influencing Community Participation, University of Kansas.
  34. Rice, L.A. (2021, Sept. 15) *Insights on an Automated Fall Detection Device Designed for Older adult Wheelchair and Scooter Users: A qualitative Study*. Invited for presentation at the virtual State-of-the-Science Conference session: Factors Influencing Community Participation, University of Kansas.
  35. Rogers, W.A. (2021, June). National Academy of Medicine: *International Workshop on Science & Technology for Healthy Longevity*. Discussant for “Transformative Advances in Technologies for Aging Societies for Healthy Longevity.”
  36. Rogers, W.A. (2021, May). National Science Foundation (NSF) Workshop: *Living Better through Rehabilitative and Assistive Technologies (LIBERATE)*. Workshop to reimagine possibilities for the future of assistive and rehabilitative technology for persons with disabilities or impairments. Supported by the NSF Convergence Accelerator Program.
  37. Rogers, W.A. (2021, May). World Economic Forum: *AI and Ageing Workshops*. World Economic Forum’s Shaping the Future of Technology Governance: Artificial Intelligence and Machine Learning Platform.
  38. Kibler, M., Rust, M., & Wilson, R. (2021, May) *Division of Aging Services Cares Act Training – AT 101, Social Isolation, Portal Training*. Webinar presentation to Area Agencies on Aging counselors to launch collaborative Cares Act project to provide assessments and devices for activities of daily living and social isolation. Atlanta, GA
  39. Rogers, W. A. (2021, March). *Designing Technology to Support Healthy Aging*. Regenstrief Institute SAM (Scientists Advancing Medicine) Talk. Indianapolis, IN (virtual).
  40. Rogers, W.A. (2021, March). World Economic Forum: *AI and Ageing Workshops*. World Economic Forum’s Shaping the Future of Technology Governance: Artificial Intelligence and Machine Learning Platform.
  41. Kadylak, T. (2021, February). *Board of Certification in Professional Ergonomics (BCPE) lecture: Is certification right for you?* Invited Talk in the Spring Speaker Series/Colloquium sponsored by the Master’s of Science in Health Technology Program, College of Applied Health Sciences, University of Illinois Urbana-Champaign.
  42. Rogers, W. A. & Kadylak, T. (2020, November). *Technology innovations*. AARP Oregon Vital Aging Conference (virtual).
  43. Sosnoff, J.J. (November 2020). *Next Steps in Fall Injury Prevention*. University of Vermont, M-Sense research group (Virtual).
  44. Hughes, T. & Persaud, L. (2020 October). *Tools for Life: Exploring Assistive Technology Solutions*. American Council of Engineering Companies of Georgia (ACEC) Georgia Inclusion and Diversity Task Force. Atlanta, GA.
  45. Rogers, W. A. (2020, October). *Designing Technology to Support Healthy Aging*. Carle Illinois College of Medicine Innovation Grand Rounds.
  46. Phillips, C.. (2020, September). *How Technology is Fostering Engagement During Coronavirus*. Presentation at the *engAGED Social Isolation Virtual Summit*.
  47. Housley, D. & Montes, C. (2020 January). *Exploring Mobile Device Accessibility*. National Federation of the Blind meeting and presentation. Atlanta, GA.
  48. Housley, D. (2020 January). *Apps for Navigating Georgia’s Capitol Building*. Georgia Vision Coalition. Atlanta, GA.

49. Housley, D. (2020 January). *Accessible Off-Site Meetings: Exploring Zoom and Remote Captioning*. disABILITY LINK Board Meeting. Atlanta, GA.
50. Housley, D. (2020 February). *Exploring AT: Soundscape Demonstration*. Georgia's Older Blind Program. Atlanta, GA.
51. Wilson, R. (2020 February). *TFL & CIDI and Second Wind Dreams - Updates and Collaborations on AT and Dementia*. Atlanta, GA.
52. Rice, L.A., Rogers, W., & Sosnoff, J.J. (2020, February). *Maximizing Independence with Technology in the Home*. Invited for presentation at the Carle Hospital Brain Injury Symposium., Champaign, IL.
53. Sosnoff, J. J. (2019, November). *The role of technology in fall risk assessment and prevention*. Accessibility and Inclusion Technology Research Collaborative, Electrical Engineering and Computer Science Department, Wichita State University, Wichita, KS.
54. Persaud, L. (2019, October). *Technology, Teamwork, and Tenacity: Reflections on a Journey of a Lifetime*. Keynote Address. Resource Ability Fair, Tennessee Technology Access Program, Nashville, TN.
55. Holder, T. & Montes, C. (2019, October). *Exploring Assistive Technology Solutions and Resources*. Presentation and AT Demonstration for Shepherd Center staff, Atlanta, GA.
56. Wilson, R. (2019, September). *Tools for Life: Exploring Assistive Technology for Living and Aging Well*. WD International LTC Provider, Atlanta, GA.
57. Persaud, L. (2019, June). *Tools for Life: Assistive Technology throughout the Lifespan*. Keynote and Interactive AT Lab at Georgia Power Alliance of Differently Able People in Power (Working) Together (ADAPPT), Atlanta, GA.
58. Rogers, W. A. (2019, June). *Collaborations in health, aging, research, and technology (CHART)*. KTH Royal Institute of Technology, Stockholm, Sweden.
59. Housley, D. (2019, April). *Exploring assistive technology funding options through the lifespan*. Informational Session at Disability LINK, Atlanta, GA.
60. Persaud, L. (2019, June). *Assistive technology strategies and solutions for independent living*. Presentation and Assistive Technology Lab. Georgia Power ADAPPT Technology Showcase. Atlanta, Georgia.
61. Phillips, C. (2019, March). *AT strategies and solutions for people with neurodegenerative diseases*. Evergreen Medical. AT Symposium. Seattle, Washington.
62. Phillips, C. & Rempel, J. (2019, March). *Accessibility & assistive technology solutions and strategies for designers*. Cox Enterprises, Atlanta, GA.
63. Jacobs, B., Peters, S., & Wilson, R. (2019, January). *TFL network: Exploring strategies and solutions with assistive technology*. Northeast Georgia Area Agency on Aging Training, Atlanta, GA.
64. Jacobs, B. (2019, February). *Accessing your world: What's new in environmental control technologies*. Presented via Webinar for the Assistive Technology Industries Association (ATIA), Atlanta, GA.
65. Rust, M. (2019, January). *Tools for life: Exploring assistive technology in Georgia*. Georgia Vocational Rehabilitation Agency New Hire Orientation, Atlanta, GA.
66. Rogers, W. A. (2018, October). *The collaborations in health, aging, research, and technology (CHART) program*. Technical University-Berlin, Berlin, Germany.
67. Rogers, W. A. (2018, October). *Robots to support successful aging: Potential and challenges*. Human Factors and Ergonomics Society – Europe Chapter, Berlin, Germany.
68. Remillard, E.T. (2018, November). *Technology to support successful aging*. Invited presentation at National Church Residences Southeast Advisory Board Meeting. Atlanta, GA.
69. Phillips, C. (2018, October). *Employment of people with disabilities and functional needs*. US Securities and Exchange Commission, Washington, DC.
70. Phillips, C. (2018, October). *Managing access to durable medical equipment during disasters; Considering durable medical equipment and assistive technology needs in planning for evacuation and*

- repatriation of patients with chronic medical conditions*. Alaska Hale Borealis 2018 Forum, Anchorage, AK.
71. Sanford, J. A. (2018, October). *Creating smart communities*. Panel presentation at the National Academies of Sciences, Engineering, and Medicine Forum on Aging, Disability, and Independence: Artificial Intelligence Applications for Older Adults and People with Disabilities. Washington, DC.
  72. Rogers, W. A. (2018, June). *Current and emerging technologies to support social connectedness for older adults*. Illinois Department on Aging Symposium on Navigating Change, Peoria, IL.
  73. Rogers, W. A. (2018, May). *Robots to support successful aging: Potential and challenges*. Distinctive Voices Series hosted by the National Academies of Sciences, Engineering, and Medicine, Beckman Center, Irvine, CA.
  74. Rogers, W. A. (2018, April). *Technologies for successful older adult aging, autonomy, and independence*. State Universities Annuitants Association (SUAA) University of Illinois at Urbana-Champaign Chapter, Champaign, IL.
  75. Rogers, W. A. & Bartlo, W. (2018, April). *New and emerging technologies to support older adults: Research from the University of Illinois at Urbana-Champaign*. Leading Age Illinois, Schaumburg, IL.
  76. Rogers, W. A. & Bartlo, W. (2018, April). *Collaborative opportunities for leading age Illinois and the University of Illinois at Urbana-Champaign*. Leading Age Illinois, Schaumburg, IL.
  77. Rogers, W. A. (2018, March). *Technology for healthy aging*. Episcopal Retirement Services, Parish Health Ministry's Annual Refresh Your Soul, Cincinnati, OH.
  78. Rogers, W. A. (2018, January). *Collaborations in health, aging, research and technology (CHART) and the LIFE home*. Senior Task Force, Champaign, IL.
  79. Remillard, E. T., Singleton, J. L., Mitzner, T. L., & Rogers, W. A. (2018, February). *Everyday technology use among Deaf older adults*. Invited Presentation at the Atlanta Chapter of the Association of Late Deafened Adults, Lawrenceville GA.
  80. Remillard, E. T., Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2018, January). *RERC TechSage*. Invited presentation at Anthem Innovation Studio, Atlanta, GA.
  81. Rogers, W. A. (2017, November). *Technology enhancements to support aging-in-place*. HIV & Aging: Mitochondria to the Metropolis. Emory University, Atlanta, GA.
  82. Sanford, J. A. (2017, March). *Assisted barrier free bathroom design in healthcare*. Invited presentation at the American Institute of Architects (AIA) Health Facilities Symposium, Grand Rapids, MI.
  83. Gonzalez, E. (2017, February). Invited panelist at the Atlanta Post-Polio Association (APPA) website launch reception, Atlanta, GA.
  84. Kemp, C. C. (2016, November). *Haptic sensing for assistive robots*. Invited presentation at the Humanoids 2016 Workshop: Tactile sensing for manipulation: new progress and challenges. Cancun, Mexico.
  85. Rogers, W. A. (2016, September). *Psychological research to guide technology design that supports successful aging*. The 14<sup>th</sup> Psychology and Aging Congress Bordeaux, France.
  86. Rogers, W. A. (2016, March). *Design of technology for healthy aging: From apps to robots*. Invited presentation at the University of Akron's Institute for Lifespan Development and Gerontology's 40th Anniversary Celebration. Akron, OH.
  87. Beer, J. M. (2015, November). *Can assistive robots transform retirement?* Invited presentation, TEDx Peachtree, Atlanta, GA.
  88. Rogers, W. A. (2015, November). *What do gerontologists know that designers don't?* Invited presentation at the Technology and Aging Interest Group Symposium, Gerontological Society of America 68<sup>th</sup> Annual Meeting, Orlando, FL.
  89. Rogers, W. A. (2015, October). *Inclusive innovation: Designing for and with older adults*. Invited presentation at the 2nd World Health Organization (WHO) Global Forum on Innovation for Ageing Populations, Kobe, Japan.

90. Rogers, W. A. (2015, October). *Concluding session: Creating tomorrow*. Invited presentation at the 2nd WHO Global Forum on Innovation for Ageing Populations, Kobe, Japan.
91. Rogers, W. A. (2015, October). *Design and deployment of technology to support healthy aging*. Department of Economics, Business, and Marketing, University of Groningen, The Netherlands.
92. Rogers, W. A. (2015, September). *The potential of technology supports for healthy aging: From apps to robots*. Chinese Congress and Exposition on Gerontology and Health Industry, Suzhou, China.
93. Phillips, C. (2014, July). *Taking flight*. Keynote, Arizona AT & Disability Conference, Phoenix, AZ.
94. Bowman, S. (2014, April). *Technologies to support successful aging with disability*. Robust and Resilient Aging Course, Osher Lifelong Learning Institute, Emory University, Atlanta, GA.
95. Kemp, C. C. (2014, March). *Young innovators session*. The American Institute for Medical and Biological Engineering (AIMBE) 2014 Annual Event, Washington, D.C.

## Outreach Activities

1. Lee, S. & Jones, B. (2017, February). Invited exhibitors (DATHA & TechSage) at the Cobb County Senior Services Assistive Technology Lab Opening.
2. Singleton, J. (2016, October). RERC TechSage recruitment booth at American Sign Language (ASL) Fair, Decatur, GA.
3. Gonzalez, E. (2015, November). RERC TechSage recruitment event and presentation from the “Aging with a Mobility Impairment” Home Study, Atlanta Post-Polio Association (APPA) monthly meeting, Atlanta, GA.
4. Gonzalez, E. (2015, May). RERC TechSage Booth, Fulton County Senior Expo and Symposium, Atlanta, GA.
5. Gonzalez, E. (2015, May). RERC TechSage Booth, Cobb County Senior Services: Aging by Design Summit and Expo, Marietta, GA.
6. Gonzalez, E. (2014, October). RERC TechSage Booth, Shepherd Center Fall Advocacy Event, Atlanta, GA.
7. Fausset, C. B. (2014, July). RERC TechSage recruitment event, Atlanta Post-Polio Association (APPA) monthly meeting, Atlanta, GA.

## Technology Products

- **ALIGN ATL App** (*Co-PIs Jon Sanford & Subhrajit Guhathakurta*): The ALIGN (Application for Locational Intelligence and Geospatial Navigation (ALIGN) ATL app is a user-friendly, mobile device app for pedestrian route planning and navigation in Atlanta, Georgia. The app is designed with special features that aid older adults and people with mobility and/or visual limitations in avoiding outdoor environmental barriers, such as uneven sidewalks and missing curb cuts, by intelligently identifying routes that are tailored to the individual’s specific needs and abilities. Pick your starting point, destination, and most important parameters, and ALIGN will create a route that best suits the options you’ve selected. Parameters include audible crossing signals, street lights, low crime rates, sidewalks, and more. The app will notify you of conflicts both before you start your route and during the turn by turn navigation. ALIGN ATL available on the Apple App Store: <https://apps.apple.com/app/id1386356715>
- **Autobed – Web controlled electric hospital bed** (*PI Charlie Kemp*): The Autobed module is an additional module for an Invacare fully electric hospital bed (Model 5410IVC) so that the bed can be controlled from a web-based interface. This module can be easily plugged between the hand control and the Invacare bed, without having to modify any existing hardware on the bed. The Autobed technology gives the control of an electric bed to the motor impaired bedridden person. This enables any motor impaired person who can

operate a web browser to control their own electric bed at a very low cost. Invacare, Co. is currently working on commercializing Autobed. <http://pwp.gatech.edu/hrl/autobed-a-web-controlled-robotic-bed/>

- **Brain Food** (PI Maribeth Gandy-Coleman): This is the code-base for the Brain Food prototype tablet-based cognitive intervention game. It is written in using the Unity3D game engine. It provides an example to the game developer community of how variable priority training (VPT) can be integrated into a “time management” style game. <https://github.com/imtc-gatech>
- **Food for Thought Platform** (PI Maribeth Gandy-Coleman): This is a platform for creating custom accessible instrumented “time management” games for serious games research/scientific experiments by non-technologists. It includes in-editor “wizards” that allow the user to create levels of a cognitive game within difficulty and multi-tasking requirements they define. It has a built-in logging system to collect detailed play data. It comes with hundreds of sample levels built by psychology researchers studying cognitive training. It is built around game themes, mechanics, and interfaces that were tuned for older adult players. This platform has been used in at least a dozen cognitive game and assessment studies over the period of six years <https://github.com/imtc-gatech>
- **GaitRate iOS App** (Co-PIs Brian Jones & Ted Johnson): The GaitRate App is a handheld replacement for the traditional stopwatch method of gait speed measurement typically used in home visit assessments and research studies. The app returns a calculated gait speed measurement and survival estimates for older patients (65-95), based on published research. The iOS GaitRate App is now available on the Apple AppStore for use by healthcare providers: <https://apps.apple.com/us/app/gaitrate/id1458165883> For more information on the GaitRate iOS App: [www.gaitspeed.org](http://www.gaitspeed.org)
- **The GaitRate Wall-Mount System** (Co-PIs Brian Jones & Ted Johnson): The GaitRate Wall-Mount System (Patent: [US11624755B2](https://patents.google.com/patent/US11624755B2)) was developed as a simple solution for clinical staff to measure short-distance gait speed, which can be used as a proxy for physical function and often serves as an indicator of fall risk and health related decline. The solution consists of a bi-directional system with a screen and control button on either end of a 6-meter course. Two sensor boxes are located on either end of the 4-meter timed zone to provide the speed measurement. The user instructs the subject to walk to the other control button at their normal walking speed, then presses the control button on one end and tells them to go. Sensors activate on the button press and trigger as the subject walks past. The system then ends the measurement and returns the results on both screens, allowing the user to write down the speed result in meters per second. For more information: [www.gaitspeed.org](http://www.gaitspeed.org)
- **Unity Vision Loss Tools** (PI Maribeth Gandy-Coleman): This is a drag-and-drop plugin for the Unity3D game engine that allows game developers to explore how their interface would appear to people with eight types of vision impairment.

## Training and Outreach

### Tools

- Assessments
  - [TechSAge Minimum Battery Version 2: Overview of Measures](#) (TechSAge-TR-2104; Remillard, Griffiths, Sanford, Mitzner, & Rogers, 2021).
  - [TechSAge Minimum Battery: Overview of measures](#) (TechSAge-TR-1601; Gonzalez, Mitzner, Sanford, & Rogers, 2016)
  - [TechSAge Background Questionnaire \(TS-BQ\): Overview of Measures](#) (TechSAge-TR-2001; Remillard, Griffiths, Sanford, Mitzner, & Rogers, 2020).
- Amazon Echo User Guides
  - [Basic Uses](#): This user guide provides a useful and easy-to-use tool to help you learn how to use your Amazon Echo device to its full potential. It features relevant resources and information that

can help you learn common voice commands, customize settings, and resolve potential problems.

- [Setting Up](#): This user guide provides step-by-step, visual instructions to help you successfully set up your Amazon Echo device so it can be properly used to perform the actions or tasks that you want to do. Learn about the various Amazon Echo products, how to set up your Alexa account, and more, so you can gain the most benefits from these smart and connected technologies.
- [Social Communication](#): This user guide provides information and instructions related to how you can use your Amazon Echo to stay in-touch with friends, family, and the community using the built-in social features of the device. Learn about how to add contacts, make calls, and 'drop-in' on other connected Echo devices
- [Environmental Control](#): This user guide, originally developed for use in our [field trial](#), describes the setup and basic uses of two common environmental control technologies used with the Amazon Echo: a smart light bulb (Philips Hue) and smart plug (Amazon smart plug). Learn about how to get them connected, what they can do, and how you can use them with your Echo to control your home environment and other non-smart technologies.
- [Health Applications](#): This user guide provides instruction on how you can use your Amazon Echo device to assist you with tracking and understanding your health. It introduces some applications that have been created for the device, which help you simplify and remember to do certain health-related tasks. Learn how to use a small sampling of some of these health-related applications that you might find useful for managing your health as you age.
- Design Workbooks
  - [Workbook for Inclusive, Human-Centered Design](#). (Phillips, C., Jones, B., & Persaud, L.). Workshop conducted at the 2020 Assistive Technology Industry Association (ATIA) Conference: January 2020.
  - [Innovative Design Creation Process Workbook: Designing Solutions to Improve the Lives of Older Adults](#). (Phillips, C., Jones, B., & Persaud, L.) Workshop conducted at the 2015 Leading Age Georgia Technology & Aging Summit: November 12, 2015.
- TechSAGE Tools: TechSAGE has designed this tool series to provide its readers with guides on how to conduct various aspects of human factors research. The tools have a focus on including the target population of older adults with disabilities.
  - [Guidelines for Delivering Telewellness Programs to Older Adults with Disabilities](#) This tool provides guidelines for designing wellness classes delivered via video conferencing, or "telewellness" classes, for older adults with disabilities. It includes key considerations in the design and execution of telewellness programs, (e.g., software selection, safety, class organization and logistics, social time structure, and technical support), which are informed by our experience developing and conducting a Tele Tai Chi program as part of a clinical trial.
  - [Design Iterations Tracking \(V1\)](#)- This tool discusses strategies for successful iteration tracking for research and product development. Specifically, how designing for older adults with disabilities can slim down the iterations and increase usability.
  - [Heuristic Analysis \(V1\)](#) - This tool is designed to give an overview of what a Heuristic Evaluation is, how to score it, and how to detect heuristic violations. Heuristic evaluations make the design of systems more usable, however, this tool goes further by suggesting additional accommodations to be made by designers who are developing or evaluating systems for older adults with disabilities is also discussed.
  - [Personas for Designing for Individuals Aging with Mobility Impairment](#) (Fain, W. B., & Farmer, S.). This tool provides a set of 10 personas, suitable for classroom or instructional usage, which were developed to aid in the design of technology and environments for individuals aging with mobility impairment. Personas represent themes of real-life,

everyday activity challenges among individuals in this population that emerged from an in-home study our team conducted. Each persona includes key contextual information about the fictional individual and a design challenge. For more information on the development of these personas, [read the technical report](#).

## Competitions

TechSage Design Competition ([www.techsagecompetition.com](http://www.techsagecompetition.com)). The TechSage Design Competition seeks to inspire talented college students from around the world to develop innovative technology-enabled design solutions for the aging population.

- 2024: 6<sup>th</sup> annual international design competition on technologies to support aging with disability. 8 Universal Design entries were submitted.
- 2022: 5<sup>th</sup> annual international design competition on technologies to support aging with disability. 3 Universal Design entries were submitted.
- 2021: 4<sup>th</sup> annual international design competition on technologies to support aging with disability. 6 Universal Design entries were submitted.
- 2018: 3<sup>rd</sup> annual international design competition on technologies to support aging with disability. 12 Universal Design entries were submitted, including 20 competitors from 9 different schools.
- 2017: 2<sup>nd</sup> annual international design competition on technologies to support aging with disability. 14 Universal Design entries were submitted, including 25 competitors from 12 different schools.
- 2016: Launched 1<sup>st</sup> ever international design competition on technologies to support aging with disability. 23 Universal Design entries were submitted, with competitors including 36 individuals, representing 14 international schools as well as business entities. Convergence Innovation Competition, Georgia Institute of Technology
- (2016, April): TechSage sponsored a special award in Universal Design
- (2015, April): TechSage sponsored a new judging area and special award in Universal Design

Stretch Robot Pitch Competition (<https://techsage.gatech.edu/stretch-robot-pitch-competition>). The student competition seeks innovative and creative hardware or software solutions to support individuals aging with disabilities by using the Stretch™ robot. Developed by Hello Robot, Stretch is an open source mobile manipulator with reaching, grasping, and sensing capabilities to support people with a wide range of tasks.

- [2021](#): In collaboration with [Hello Robot](#) and [P&G](#), the competition was open to students at the University of Illinois Urbana-Champaign and encouraged students to generate novel design concepts for Stretch that address the needs of individuals aging with disabilities at home, particularly in personal care and daily household chores.

## Videos

- [Universal Design](#) - Produced by Tools for Life (Georgia's AT Program) and RERC TechSage, this video series explores the 7 Principles of Universal Design and how they can be applied to products, interfaces and spaces to make for designs that are usable by all people to the greatest extent possible. The series will cover each principle individually and offer examples to those wishing to learn more about the UD Principles.
  - [1. Laying the Foundation for Universal Design](#)
  - [2. Principles of Universal Design](#)
  - [3. Equitable Use](#)
  - [4. Flexibility in Use](#)
  - [5. Simple and Intuitive Use](#)
  - [6. Perceptible Information](#)

Commented [MOU3]: Need to include more recent Stretch Comps.

### [7. Tolerance for Error](#)

### [8. Low Physical Effort](#)

### [9. Size and Space for Approach and Use](#)

- [Amazon Echo Basic Uses Video Playlist](#): The Amazon Echo Basic Uses video playlist was developed in partnership with Collaborations in Health, Aging, Research, and Technology (CHART) at the University of Illinois Urbana-Champaign. These videos include guidance on helpful voice controls for weather, new reminders, and more.
  - [Using Your Voice with Amazon Echo: Reminders](#)
  - [Using Your Voice with Amazon Echo: News](#)
  - [Using Your Voice with Amazon Echo: Searching for Information](#)
  - [Using Your Voice with Amazon Echo: Weather](#)
- [Stay Connected: Using AT to Reduce Social Isolation](#) - The TechSAge training team wrote scripts and produced a three-minute video outlining extreme health issues associated with social isolation and possible assistive technology solutions for older adults.
- [The SmartBathroom](#) – Informational video on the TechSAge SmartBathroom—a state-of-the-art bathroom laboratory at the Georgia Tech Aware Home. Video produced for the 2020 Georgia Tech GUV Showcase.
- [Technology Advances to Support People Aging with Long-Term Mobility Disabilities](#). Symposium Presentation at the American Congress of Rehabilitation Medicine (ACRM) Annual Conference (Virtual; October 23, 2020)
- [Principles of Accessible Design](#) - Panel Presentation at the 12th Annual Georgia Tech DIVERSITY Symposium (Virtual; September 9, 2020). The symposium “Understanding Accessibility as Inclusion: Georgia Tech’s Pathway to Accessibility”, included a panel presentation on the Principles of Accessible Design. The panel featured TechSAge Co-Director, Jon Sanford, presenting “Design for Diversity: Design for One or Design for All”.

#### **Webinars & Online Courses**

- Kang, J. & Huang, K.F. (2024, April 17). *Embracing AI: Assistance for Enhanced Living* [Community Presentation]. 2024 Springtime Science Seminar, Illinois Extension and Interdisciplinary Health Sciences Institute at the University of Illinois at Urbana-Champaign, Urbana, IL.
- Umar, T. (2024, April 10). *Empowering Independence: Technology Solutions for Older Adults with Vision Impairment* [Community Presentation]. 2024 Springtime Science Seminar, Illinois Extension and Interdisciplinary Health Sciences Institute at the University of Illinois at Urbana-Champaign, Urbana, IL.
- Tanganon, A. (2024, April 3). *Fall Management in Wheelchair Users (FaMe)* [Community Presentation]. 2024 Springtime Science Seminar, Illinois Extension and Interdisciplinary Health Sciences Institute at the University of Illinois at Urbana-Champaign, Urbana, IL.
- Sanford, J.A (2020, September). *Principles of Universal Design*. Panel presentation at the 12<sup>th</sup> annual Georgia Tech Diversity Symposium (virtual). Georgia Tech Institute for Diversity, Equity, and Inclusion.
- Persaud, L. & Housley, D. (2020, September). *Awareness of accessibility*. Panel presentation at the 12<sup>th</sup> annual Georgia Tech Diversity Symposium (virtual). Georgia Tech Institute for Diversity, Equity, and Inclusion.
- Sanford, J. A. (2018, July). *Design for One is Design for All: The Past, Present and Future of Universal Design for Aging*. Webinar hosted by the Center for Health Design.
- Phillips, C. (2020, June). *Addressing Social Isolation Through Technology Solutions*. Panel participant in webinar hosted by ACL.
- Housley, D. (2016-2018). Assistive Technology Series: Technology Design. Georgia Radio Reading Service

- (GaRRS). Atlanta, GA. Archives retrieved from: <https://garrs.org/>
- Phillips, C. & Groenendaal, R. (2017, March). Policy to Practice: Assistive Technology and Aging. Aging in America Conference - American Society on Aging. Chicago, IL. Webinar retrieved from: [http://www.gatfl.gatech.edu/tflwiki/index.php?title=ASA\\_Conference\\_2017\\_-\\_Chicago,\\_IL](http://www.gatfl.gatech.edu/tflwiki/index.php?title=ASA_Conference_2017_-_Chicago,_IL)
- Phillips, C. & Rempel, J. (2016, October). *Tips on Making your Project Accessible*. Webinar, Atlanta, GA. Webinar retrieved from: <https://www.youtube.com/watch?v=SXTh0TkHDM8>
- Kascak, L. (2016, February). *Universal Design Principles for Interfaces*, Guest Lecture to Applied Experimental Psychology Lab, Georgia Institute of Technology, Atlanta, GA. Webinar retrieved from: <https://www.youtube.com/watch?v=NTIpR6oZoO8>
- Persaud, L., Jacobs, B., Wilson, R., & Brookins, D. (2015, June). *Exploring Assistive Technology for Everyday Solutions*. Webinar retrieved from: [http://www.gatfl.gatech.edu/tflwiki/index.php?title=DAS\\_ADRC\\_Healthy\\_Communities\\_Summit\\_-\\_June\\_17-19,\\_2015](http://www.gatfl.gatech.edu/tflwiki/index.php?title=DAS_ADRC_Healthy_Communities_Summit_-_June_17-19,_2015)
- Phillips, C. & Persaud, L. (2014, December, 3). *TechSAGE - Disability 101 for Researchers: A Closer Look at Communication*. Atlanta, GA. Webinar retrieved from: [http://www.gatfl.gatech.edu/tflwiki/index.php?title=TechSAGE\\_Webinars](http://www.gatfl.gatech.edu/tflwiki/index.php?title=TechSAGE_Webinars)
- Phillips, C. & Persaud, L. (2014, October, 29). *Lighting the Path: A Guided Discussion on AT for Dementia*. Webinar, Atlanta, GA. Webinar retrieved from: [http://www.gatfl.gatech.edu/tflwiki/images/c/c3/TFL\\_webinar\\_AT\\_for\\_Dementia\\_October\\_2014\\_V3\\_FL\\_NAL.pdf](http://www.gatfl.gatech.edu/tflwiki/images/c/c3/TFL_webinar_AT_for_Dementia_October_2014_V3_FL_NAL.pdf)

#### Podcasts

- Jacobs, B. (2020, January). *Smart Home Technology*, podcast episode (ATU451) Easter Seal's Assistive Technology Update. <https://www.eastersealstech.com/2020/01/17/atu451-smart-home-technology-with-ben-jacobs/>
- Persaud, L. & Phillips, C. (2019, October). *Universal Design and Aging*, podcast episode (ATU430), Easter Seal's Assistive Technology Update. <https://www.eastersealstech.com/2019/10/18/atu438-universal-design-and-aging-with-liz-persaud-and-carolyn-phillips/>
- Persaud, L. & Phillips, C. (2019, August). *Universal Design and Aging*, podcast episode (ATU430), Easter Seal's Assistive Technology Update. <https://www.eastersealstech.com/2019/08/23/atu430-techsage-with-liz-persaud-and-carolyn-phillips/>

#### TechSAGE Affiliated Post-Secondary Courses

- Rogers, W. (Fall 2024). Human-Robot Interaction for Health & Wellness (HK 400). University of Illinois Urbana-Champaign, Champaign, IL.
- Rice, L. (Summer 2024). Disability in American Society (CHLH 330). University of Illinois Urbana-Champaign, Champaign, IL.
- Sanford, J. (Summer 2024). Research Project Seminar 1 (OT 7660 Graduate). Georgia State University, Atlanta, GA.
- Sanford, J. (Spring 2024). Research Project Seminar 1 (OT 7650 Graduate). Georgia State University, Atlanta, GA.
- Rogers, W. (Fall 2023). Human-Robot Interaction in Community Health (CHLH 400). University of Illinois Urbana-Champaign, Champaign, IL.
- Jones, B. (Fall 2022). IPaT Living Lab Seminar (CS8001-IPT). Georgia Institute of Technology, Atlanta, GA.
- Jones, B. & Phillips, C. (Fall 2022). Accessibility and Inclusive Design (CS8803-AID). Georgia Institute of Technology, Atlanta, GA.

Bayles, M. (Fall 2022). Human-Robot Interaction in Community Health (CHLH 400). University of Illinois Urbana-Champaign, Champaign, IL.

Rogers, W. (Fall 2021). Human-Robot Interaction in Community Health (CHLH 400). University of Illinois Urbana-Champaign, Champaign, IL.

Sanford, J. (Spring 2020). Health and Design Studio (ID 3031 Undergraduate). Georgia Institute of Technology, Atlanta, GA.

Sanford, J. (Fall 2020). Health and Design Studio (ID 6062 Graduate). Georgia Institute of Technology, Atlanta, GA.

Sanford, J. (Fall 2019). Wearables, Wizards and Wellness (ID 8083). Georgia Institute of Technology, Atlanta, GA.

Sanford, J. (Spring 2019). Health and Design (ID 3031). Georgia Institute of Technology, Atlanta, GA.

Sanford, J. (Spring 2019) Health and Design (ID 6062). Georgia Institute of Technology, Atlanta, GA.

Sanford, J., Melgen, S., & Whitney, M.K. (Fall 2018). Universal Design in the Built Environment: Universal Design for Community Health (ID 4210/6800, ARCH 4843/8843), Georgia Institute of Technology, Atlanta, GA.

Gandy Coleman, M. (Spring & Summer 2018). Principles of Computer Audio (CS4590), Georgia Institute of Technology, Atlanta, GA.

Sanford, J. A. (Spring 2018). Health and Design (Graduate Industrial Design Studio). Georgia Institute of Technology, Atlanta, GA.

Jones, B. (Advisor; Spring 2018). Mobile Ubiquitous Computing. Georgia Institute of Technology, Atlanta, GA.

Rogers, W. A. (Fall 2018). Technology, Health, and Aging (CHLH494). University of Illinois Urbana-Champaign, Champaign, IL.

Jones, B. (Fall 2017). Living Labs Seminar (CS8000AHS), Georgia Institute of Technology, Atlanta, GA.

Rogers, W. A. (Fall 2017). Technology, Health, and Aging (CHLH494). University of Illinois Urbana-Champaign, Champaign, IL.

Sanford, J. A. (Fall 2017). Universal Design for Sustainable Communities. Georgia Institute of Technology, Atlanta, GA.

Rogers, W. & Dearborn, L. (Spring 2017). Studio: Aging in the American Dream (ARCH 572). University of Illinois Urbana-Champaign, Champaign, IL.

Sanford, J. A. (Fall 2015), Universal Design (ID 6800 & 4210; ARCH 8843, &4843), Georgia Institute of Technology, Atlanta, GA.

Sanford, J. A. (Spring 2015), Apps for Aging, Georgia Institute of Technology, Atlanta, GA.

Sanford, J. A. (Fall 2014), Advanced Universal Design (ID 6800/Arch 8843), Georgia Institute of Technology, Atlanta, GA.

### Course Projects

Wilson, J. & Gandy-Coleman, M. (Spring 2017). *Accessible Game Design and Auditory Interfaces* (CS 4455), Georgia Institute of Technology, Atlanta, GA.

McLaughlin, A. (Fall 2015), *Student accessibility evaluations of Food for Thought cognitive training game prototypes*. North Carolina State University, Raleigh, NC.

### Guest Lectures

Remillard, E.T. (2025, February). Technology and Aging Course, Georgia State University, Atlanta, GA.

Remillard, E.T. (September 2024). *Technology to Support Aging with Disability*, Technology and Aging Course, Georgia State University.

- Rice, L. (October, 2023). Guest lecture on health disabilities with an emphasis on access to and expenses associated with assistive technology. Health Inequities in Community Health (CHLH 450), University of Illinois Urbana-Champaign.
- Remillard, E.T. (2022, October). *Technologies to Support Aging with Disability Accessibility and Inclusive Design Course (CS-8803-AID)*, Georgia Institute of Technology, Atlanta, GA.
- Wilson, R. (2021 October). *Getting to Know Your AT Program and AT For Healthy Aging*. Chattahoochee Technical College. Online. Atlanta, GA.
- Wilson, R. (2021, March). *Assistive Technology 101*. Georgia State University Occupational Therapy Class Presentation. Webinar. Atlanta, GA.
- Persaud, L., & Hughes, T. (2021 March). *Tools for Life: Your Assistive Technology Act Program*. Georgia Tech Alumni Association. Online. Atlanta, GA.
- Wilson, R. & Hughes, T. (2021 February). *Exploring Assistive Technology and Funding Resources*. Occupational Therapy, Georgia State University. Online. Atlanta, GA.
- Persaud, L. (2021 January). *Changing Attitudes: A Closer Look at Diversity, Inclusion and Awareness*. Georgia Tech Research Institute. Online. Atlanta, GA.
- Housley, D., Persaud, L., & Peters, S. (2020 December). *Exploring Assistive Technology Strategies and Solutions*. Cobb County Library System. Atlanta, GA.
- Housley, D., & Persaud, L. (2020, November). *Assistive Technology and Accessible Engagement*. Atlanta Regional Commission Webinar Series. Atlanta, GA.
- Mitzner, T. L (March 2020). *The Telewellness Project*. Invited talk, Engineering Psychology Brown Bag, Georgia Institute of Technology.
- Housley, D., Montes, C. (2019 November). Assistive Technology throughout the Lifespan. Master's in Rehabilitation Counseling class at Georgia State University, Atlanta, GA.
- Housley, D. (2019, March). *Finding the Fun(ding)*. Georgia State University Occupational Therapist Program, Atlanta, GA.
- Sosnoff, J. J (2019, March). Guest lecture on falls and assistive device use to senior design students. University of Illinois at Urbana-Champaign.
- Gandy, M. (2019, March). *Combining the Virtual and Physical Worlds in Synthetic Learning Environments for Advanced Skill Training: Application, Adoption, and Content Development*. Presentation at the Community Computing Consortium (CCC) Content Generation for Workforce Training Workshop.
- Persaud, L. & Wilson, R. (2019, February). *Tools for Life: Your Assistive Technology Act Program for Aging Solutions and Strategies*. Guest Lecture for Georgia State University Health in Aging Class. Presented at the Center for Inclusive Design and Innovation, Atlanta, GA.
- Levy, L. (2018, December). *Games for Change: Game Jam*. Levy is working with ~800 students in the 6th-12th grade from the Atlanta Metro Area teaching principles of game design, project management, project leadership via "Games for Change." The students, under the advisement of the faculty mentors created games to instill understanding and change in the players within a theme (e.g. "Aging Communities").
- Sanford, J. A., (2018, November). *Design and Technology for Successful Aging with Disability: The TechSAGE Approach and Application*. Guest lecture for Occupational Therapy faculty and students. Georgia State University, Atlanta, GA.
- Jacobs, B. & Persaud, L. (2018, October). *Tools for Life: Exploring Strategies and Solutions for Independent Living with Your Assistive Technology Program in Georgia*. Guest Lecture, Master's in Rehabilitation Counseling, Georgia State University, Atlanta, GA
- Housley, D., Jacobs, B., & Persaud, L. (2018, June). *Exploring Assistive Technology Strategies & Solutions Through the Life Span: A Hands-On Experience of the AT & Access Labs*. Georgia State University, Assistive Technology Course, Atlanta, GA.
- Jones, B. (2018, Spring). *Mobile Ubiquitous Computing*. Guest lecture and tour for CS 7470, CS 4640. Aware Home, Georgia Institute of Technology, Atlanta, GA.

- Peters, S. & Wilson, R. (2018, April). *Assistive Technology through the Years: Successful Transition and Aging Strategies*. Culture Change Network of Georgia Meeting, Atlanta, GA.
- Housley, D. (2018, January - May). *Assistive Technology in Your Kitchen Parts 1 & 2, Smart Vs Dumb Tech, Assistive Technology for Security, Assistive Technology for Finance, Assistive Technology for Entertainment*. National Federation for the Blind Monthly Meetings, Atlanta, GA.
- Jones, B. (2017, Fall). *Real-time systems to support people's needs in the home environment*. Guest lecture and tour for RealTime Embedded Systems (CS4220/6235). Aware Home, Georgia Institute of Technology, Atlanta, GA.
- Jones, B. (2017, November). *How Technology Can Support the Needs of Older Adults*. Guest lecture and tour for Georgia State University Gerontology Students. Aware Home, Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. & Jones, B. (2017, September). Workshop with the Children's School 7th grade classes on the needs of an aging population. Field trip hosted at the Center for Assistive Technology and Environmental Access, Georgia Institute of Technology, Atlanta, GA.
- Gandy-Coleman, M. (2017, November). *Immersive technology for health interventions*. Presented at Health Tech Day; gave talk about the approximately 30 high school students from underserved communities participating in NIH workshop.
- Rust, M. & Kumar, A. (2017, November). *Tools for Life: Exploring Assistive Technology Strategies & Solutions*. Georgia State University, Rehabilitation Counseling Master's Course, Atlanta, GA.
- Rogers, W. A. (2017, October). *Technology design for successful aging: Support for social engagement*. School of Informatics and Computing Colloquium Series. Indiana University, Bloomington, IN.
- Gandy, M. (2017, July). *Wearables & AR/VR*. Guest presentation to group from GIRLS Program (Girls Interested in Rapidly Learning STEAM) sponsored by GE, 30 middle-school girl attendees.
- Jones, B. (2017, June). *Applying Internet of Things to Support Needs of Home Residents*. Guest lecture and tour for CESIMC Teacher Internet of Things Training Course. Aware Home, Georgia Institute of Technology, Atlanta, GA.
- Bruce, C. (June, 2017). *"Design Workshop"*. 2-hour Workshop for the Georgia Tech EXCEL Summer Camp, Atlanta, GA.
- Gandy Coleman, M. (2017, April). *Auditory interfaces for wearable and pervasive devices*. Guest Lecture for Assistive Technology Class (PSYC 8040), Georgia Institute of Technology, Atlanta, GA.
- Gandy Coleman, M. (2017, April). *Accessible/universal game design*. Guest lecture for Principles of Computer Audio course (CS 4590). Georgia Institute of Technology, Atlanta, GA.
- Gandy Coleman, M. (2017, February). *Use of sonification for accessibility in video games*. Guest lecture for Video Game Design course (CS 4455). Georgia Institute of Technology, Atlanta, GA.
- Gandy Coleman, M. & Lambeth, A. (2017, January). *Kids Innovation. Workshop at PEDS2040*. Miami, FL.
- Phillips, C., Holder, T., & Peters, S. (2017, February). *Universal Design and Assistive Technology: Solutions That Work for Everyone*. Georgia Tech, Atlanta, GA.
- Jacobs, B, Holder, T., Persaud, L., & Peters, S. (2017, February). *Exploring Assistive Technology and Disability Awareness*. TREY Project, Cambridge High School, Alpharetta, GA.
- Wilson, R. (2017, February). *Exploring Assistive Technology Options for Aging*. John's Creek Park Place Senior Center. Tools for Life: Assistive Technology Program, Georgia Tech | AMAC, Atlanta, GA.
- Mitzner, T. L. (February, 2017). *Designing technology for older adults*. Assistive Technology and Accessible Design Course, Georgia Institute of Technology.
- Wilson, R. (2016, October). *Healthy Living with Assistive Technology*. Cherokee County Senior Services, Canton, GA.
- Phillips, C. & Persaud, L. (2016, September). *Introduction to Assistive Technology Solutions*. Georgia Rehabilitation Association (GRA) Conference, Savannah, GA.

- Gandy Coleman, M. & Levy, L. (2016, September). *Women in the Game Industry*. Presentation discussed TechSage work (and accessible gaming in general). 2016 DragonCon Panel, Atlanta, Georgia.
- Gandy Coleman, M. & Levy, L. (2016, September). *Going to School for Video Games*. Presentation discussed TechSage work (and accessible gaming in general). 2016 DragonCon Panel, Atlanta, Georgia.
- Gandy Coleman, M. & Levy, L. (2016, September). *Unusual Jobs in the Video Game Industry*. Presentation discussed TechSage work (and accessible gaming in general). 2016 DragonCon Panel, Atlanta, Georgia.
- Gandy Coleman, M. & Levy, L. (2016, September). *Emerging Technologies and the Future of Gaming*. Presentation discussed TechSage work (and accessible gaming in general). 2016 DragonCon Panel, Atlanta, Georgia.
- Phillips, C. & Persaud, L. (2016, August). *Access and Explore! Exploring Assistive Technology*. DBHDD & Tools for Life: Assistive Technology Project, Disability Connections in Macon, GA
- Wilson, R. & Mullins, K. (2016, August). *Sharpening Your Skills: Assistive Technology Toolkit Training*. Northwest Georgia Area Agency on Aging: Rome, GA.
- Phillips, C. & Rust, M. (2016, June). *"Assistive Technology Solutions for Successful Aging."* IDEAS AT Lab. St. Simon's Island, Georgia.
- Bruce, C. (2016, June). *"Design Workshop"*. 2-hour Workshop for the Georgia Tech EXCEL Summer Camp, Atlanta, GA.
- Phillips, C. (2016, March). *Tools for Life: AT Decision Tree for Aging Workshop*. Georgia Division Aging Services. Georgia Tech, Atlanta, GA.
- Wilson, R. & Phillips, C. (2016, March). *"Assistive Technology Solutions for Aging."* Guest Lecture, Georgia State University Guest Lecture for Gerontology, Atlanta, GA.
- Lambeth, A. (2016, April). *From A to ∞*, presentation on accessible game design, games research, and careers utilizing interaction media skills to 81 middle school students and 13 teachers Georgia Institute of Technology, Atlanta, GA.
- Levy, L., Solomon, R., & Lambeth, A. (2016, February). Presentation on Accessible Gaming to hundreds of middle and high school students across a 12-hour demonstration window at the Sandy Spring Education Force, STEAM event, North Springs Charter High School, Atlanta. GA.
- Liu, Y. (2016, February). Workshop on Universal Design, Georgia Institute of Technology, Atlanta, GA.
- Kascak, L. (2016, February). Universal Design Principles for Interfaces, Applied Experimental Psychology Lab, Georgia Institute of Technology, Atlanta, GA.
- Persaud, L. & Wilson, R. (2016, February). *Healthy Living with Assistive Technology*. East Cobb Senior Center, Marietta, GA.
- Bruce, C. (2016, January). *"Universal Design to Support Engagement"*. Guest presentation in Georgia Tech ARCH 3012 course, Atlanta, GA.
- Phillips, C. (2015, December). *Assistive Technology Solutions for Individuals with Neurodegenerative Diseases*. University of Georgia, Speech Communication Sciences Master's Course, Athens, GA.
- Phillips, C. & Persaud, L. (2015, October). *Tools for Life: Exploring Assistive Technology Strategies & Solutions*. Georgia State University, Rehabilitation Counseling Master's Course, Atlanta, GA.
- Phillips, C. (2015, March). *Assistive Technology Solutions for Successful Aging*, Guest Lecture, Georgia State University Guest Lecture for Gerontology, Atlanta, GA.
- Persaud, L. (2015, February). *Tracking Trends in Assistive Technology*, Guest Lecture, Michigan State University, Social and Environmental Aspects of Disability Master's Class, Atlanta, GA.
- Kascak, L. (2015, February). Workshop on Universal Design, Georgia Institute of Technology, Atlanta, GA.
- Phillips, C. (2014, November). *Tracking Trends in Assistive Technology*. Georgia State University Guest Lecture for Rehabilitation Counseling Students, Atlanta, GA.

## TechSage State of the Science Conferences

### 2022

May 4-5, 2022: Archived presentations available from: <https://techsage.gatech.edu/techsage-SOTS-2022>

Plenary Speakers:

- Elizabeth Mynatt, Ph.D. *Socio-Technical Approaches to Maintaining Health and Wellness*
- Katie Perumbeti, M.S. *Community Connections*
- Marcia Finlayson, Ph.D. *Looking Back to Move Forward: What We Do and Do Not Know About Using Technology to Support Everyday Activities Among People Aging with Multiple Sclerosis*
- Amy Eisenstein, Ph.D. *Leveraging Technology as a Tool to Facilitate Caregiving*

### 2017

March 27-28, 2017: Archived presentations available from: <http://techsage.gatech.edu/resources/videos>

- Keynote Lecture: Michelle Putnam, Ph.D. *Aging with Disability and Technology as Policy Disruptors.*
- Brenna Argall, Ph.D. *Human Autonomy through Robotics Autonomy.*
- Andrew Sixsmith, Ph.D. *Aging & Technology: From the Laboratory to the Real World.*
- T. Kesavadas, Ph.D. *Universal Concierge and VR: Improved Care for an Aging Population.*
- Jeffrey Woods, Ph.D. *Age-Friendly Champaign-Urbana: Leveraging a Community Outreach Effort for Research.*
- Elizabeth Mynatt, Ph.D. *Aging & Personal Technology.*
- Ayanna Howard, Ph.D. *Current Research in Gaming, Robotics, & Assistive Technology*
- Mary Blumberg. *Atlanta Regional Commission: Lifelong Communities*

## Design and Technologies for Healthy Aging (DATHA) Talks

(Organized by RERC TechSage)

Archived presentations available from: <http://datha.gatech.edu/node/237>

- Baker, C. (2017, September). *Baker Daily Money Management: Financial Fraud and Elder Abuse Prevention*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Van Kley, C. (2017, February). *The American Institute of Architects (AIA)'s Design for Aging (DFA)*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Luukkonen, P. (2017, January). *Coastal Area Agency on Aging's Ability Solutions Assistive Technology Lab*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Earl, T., Ervin, E., & Beachner, L. (2016, November). *Senior Learning Network (SLN)*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Ross, D. (2016, October). *Electrochromic Glasses for Individuals with Vision Impairment*. Invited Presentation, Design and Technology for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Kerssens, C. (2016, September). *Bridging the Worlds of Research and Industry*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. & TechSage team (2016, April). *Poster Session on RERC TechSage Research Studies, Development Projects*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Ratliff, J. (2016, March). *The Importance of High-touch Technology Education for Older Adults*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.

- Harvey, L. (2016, February). *The Role of Technology in Creating an Age-Friendly City: Current Trends and Future Vision*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Phillips, C., Wilson, R., & Persaud, L. (2015, December). *Assistive Technology for Aging in Place*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Hackett, B. (2015, November). *Systematically Leveraging Community Partners and Connections –The Best Solution to a Broken System*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Harrington, E. (2015, October). *Taking Control to Prevent Falls: The Shepherd Center’s Fall and Injury Prevention Program*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Ray, R. (2015, September). *Transportation and Aging: The Atlanta Regional Commission’s Simply Get There App*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Wolf, S. & Trumbower, R. (2015, May). *FIRST initiative: Frontiers in Rehabilitative Science Technologies*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Brand, C. (2015, April). *Friends of Disabled Adults and Children (FODAC)*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Head, E. (2015, March). *Older Driver Safety*. Invited Presentation, Design and Technology for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Harrington, C. (2015, February). *Bathroom Assistive Technology for Older Adults (Marge Klompe Research Exchange program in the Netherlands)*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Langston, A. (2015, January). *Caregiver Assist In-Home Assistive Technology Training Intervention*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.
- Johnson, T. M. (2014, December). *A Mobile Application to Measure Gait Speed*. Invited Presentation, Design and Technologies for Healthy Aging (DATHA), Georgia Institute of Technology, Atlanta, GA.

### **Leading Age Technology and Aging Summits**

(Organized by RERC TechSAge, Wireless RERC, and Tools for Life)

- Persaud, L., Phillips, C., & Wilson, R. (2019 August). *Tools for Life: Exploring Assistive Technology for Living and Aging Well*. Annual Tech and Aging Summit, Atlanta, GA.
- Phillips, C. & Persaud, L., & Jones, B. (2015 – 2017). *Rapid Fire: Innovation Design Practicum: Designing Solutions to Improve the Lives of Older Adults*. Workshop conducted at the 2015, 2016, & 2017 Leading Age Technology and Aging Summit, Georgia Institute of Technology, Atlanta, GA.
- Pompilio, D. (2017, November). *Simple C*. Presentation at the 2017 Leading Age Technology and Aging Summit, Georgia Institute of Technology, Atlanta, GA.
- Alwan, M. (2016, November). *Leading Age Center for Aging Services Technologies*. Presentation at the 2016 Leading Age Technology and Aging Summit, Georgia Institute of Technology, Atlanta, GA.

### **Demos**

- SmartBathroom demonstrations
  - IPaT Living Labs Seminar (Fall, 2019)

- Ferguson Ventures Innovation Center (Fall, 2019)
- ITU Kaleidoscope Conference: *ICT for Health: Networks, standards and innovation* (December 4-6, 2019), event hosted for the first time in the U.S. at Georgia Tech.
- Georgia Tech GVV Showcase (2016, 2018, 2019)
- Center for Assistive Technology and Environmental Access (CATEA) Open House (2016, November)
- Cobb County Senior Services, Aware Home Visit (2016, August)
- TechSAge Advisory Board Meeting (2016, 2017)
- Gait Speed project demonstrations
  - TechSAge Advisory Board Meeting (2015, 2016)
  - ITU Kaleidoscope Conference: *ICT for Health: Networks, standards and innovation* (December 4-6, 2019), event hosted for the first time in the U.S. at Georgia Tech.
- Demos for National Robotics Week, Healthcare Robotics Lab, Georgia Institute of Technology (2016, April)
- Assistive Technology Solutions Labs (Tools for Life)
  - Persaud, L. Peters, S. Wilson, R. (2019, October). Tools for Life Assistive Technology Solutions Lab - Exploring Solutions. Interactive AT Lab for the Centers for Disease Control (CDC) Technology Expo, Atlanta, GA.
  - Holder, T., Montes, C. (2019, October). Exploring Assistive Technology Solutions and Resources. Presentation and AT Demonstration for Shepherd Center staff, Atlanta, GA.
  - Kibler, S. Rust, M., Wilson, R. (2019, September). Tools for Life: Assistive Technology for Aging Well in Georgia; Assistive Technology Lab. Living Alone with Alzheimer's Summit, Atlanta, GA.
  - D. Housley, R. Wilson. (2019, August). Elder Care Fair Assistive Technology Lab. Federal Reserve Bank of Atlanta, Atlanta, GA.
  - Housley, D. (2019, March). Tools for Life: Your Assistive Technology Act Program in Georgia for Aging Well. Presentation and Interactive Lab for the GLASS Conference, Lake Blackshear, GA.
  - Jacobs, B., & Persaud, L. (2019, March). Accessing Your World: What's New in Environmental Control Technologies. Interactive AT Lab at the LeadingAge Conference, Hilton Head, SC.
  - C. Phillips, M. Rust, R. Wilson. (2019, February). Assistive Technology Solutions Lab: Strategies and Demonstrations. Learning Disabilities Association (LDA) Annual Conference, Fort Worth, TX.
  - Jacobs, B., Persaud, L., Wilson, R., & Peters, S. (2018, October). Assistive Technology exhibit showcase and mini-presentations. LeadingAge: Engage at Every Age Expo. Atlanta, GA.
  - Wilson, R. (2018, May). Tools for Life Assistive Technology Solutions Lab. Aging and Disability Resource Center (ADRC) Conference, Atlanta, GA.
  - Jacobs, B., Persaud, L. & Wilson, R. (2018, May). Tools for Life Assistive Technology Solutions for Aging and Dementia Display. Eden Alternative Conference, Atlanta, GA.
  - Housley, D., Peters, S. (2018, March). Georgia Libraries for Accessible Statewide Services (GLASS) Conference, Lake Blackshear, GA.
  - Phillips, C. (2018, February). Learning Disabilities Association of America (LDA) International Conference, Atlanta, GA.
  - Phillips, C. & Wilson, R. (2017, June). Aging and Disability Resource Center (ADRC) Conference, Atlanta, GA.

## Tours and Hosted Presentations

- L. Persaud, S. Peters, R. Wilson (2019, November). *Exploring Assistive Technology Solutions and Resources for Accommodations*. Presentation, Tour and AT Demonstration for CDC Office of Equal Employment Opportunity, Atlanta, GA.
- D. Housley, J. Rempel (2019, November). Center for Inclusive Design and Innovation Resources and Activities, Interactive Tour of Production Departments and AT Lab for Cox Communications staff, Atlanta, GA.
- L. Persaud, S. Peters, R. Wilson (2019, November). *Exploring Assistive Technology Solutions and Resources for Accommodations*. Presentation, Tour and AT Demonstration for CDC Office of Equal Employment Opportunity, Atlanta, GA.
- Phillips, C. et al. (2019, March). *Accessibility & Assistive Technology Solutions and Strategies*. HHS | ACL Tour and Meeting at CIDI, Atlanta, GA.
- C. Phillips, et al. (2019, March). *Accessibility & Assistive Technology Solutions and Strategies*. Microsoft Tour and Meeting at CIDI, Atlanta, GA.
- T. Holder, L. Persaud. (2018, December). *Georgia Alliance for Health Literacy Meeting*. Hosted at AMAC Accessibility Solutions at Georgia Tech, Atlanta, GA.
- Aware Home tours and demonstrations:
  - Real-time Systems Course (CS4220/6235) for ~40 graduate level students (virtual tour, November 2021)
  - Judy Collett-Miller from Parker Life (senior care); (virtual tour, October 2021)
  - Community of Computing Consortium (CCC) (2019, March)
  - Malmö University, Sweden (2018, December)
  - Stanley Black and Decker
  - Flex, David Johnson, VP Product Industrialization, Ann Marie Kenitzer (Director, Flex Centers of Excellence), Garry Wong, Director, Technical Business Development - general interest in what types of research are performed in Aware Home
  - IBM
  - Eaton
  - Vivint
  - CDI
  - Tektonic
  - Anthem Innovation Center Team
  - EXCEL program at Georgia Tech
  - Ashok Kapur, CEO, Hawkeye Medical, LLC
  - Sensorcall.com
  - Kimball: Sam Barry and Carrie Richards – interest in smart furniture – included discussions of smart furniture for people with disabilities in the workplace
  - CS8000AHS GT Living Labs Seminar
  - RealTime Embedded Systems
  - The Children’s School 7<sup>th</sup> grade classes
  - Lokye Lee, Georgia State School of Gerontology students
  - CESIMC, Teacher Internet of Things Training Course
  - GT Mobile Ubiquitous Computing
  - Cree (2017, February)
  - Comcast Cable (2017, January)
  - Flextronics (2017, January; 2016, October)

- Jacob Sosnoff, Associate Director of the Center on Health, Aging, and Disability, University of Illinois (2016, October)
- Lee J. Metcalf, Vice President, Daugherty Business Solutions (2016, October)
- Georgia Tech Realtime Embedded Systems class (2016, October)
- Georgia Tech Architecture studio class (2016, August)
- Gait Smart (2016, August)
- Amazon Smarthome (2016, September)
- John Fitch, Birkeland Current (2016, July)
- Olivier Oullier, World Economic Forum (2016, July)
- Elena Soboleva, Journalist, GEO Magazine Russia (2016, June)
- Georgia State University (GSU) Occupational Therapy (2016, May)
- Centralite (2016, May)
- Lenbrook LifeCare Community (2016, May)
- Proctor and Gamble (2016, April)
- Neil Alexander: Professor at the University of Michigan, Department of Internal Medicine and Division of Geriatric and Palliative Medicine, Director of the UM Mobility Research Center, and Director of the VA Ann Arbor Health Care System Geriatric Research Education and Clinical Center (2016, April)
- Multiple Georgia Tech student groups from Computer Science, Psychology, Industrial Design, Electrical and Computer Engineering (2016, March-May)
- National Aging in Place Council (Georgia Chapter) (2015, December)
- Cox Communications (2015, November)
- Georgia Tech Women’s Club (2015, November)
- Graduate computing students in the Real-Time Embedded Systems class (2015, October)

## **Other Accomplishments**

### **Related funding awards among TechSAge Staff**

- Laura Rice (Principal Investigator) received a \$200,000 grant from the Paralyzed Veterans of America (as Principal Investigator to assess the Fall Concerns Scale for wheelchair and scooter users with SCI and MS, supporting safer mobility and community engagement through WheelSafe.
- Yi-An Chen and Martin Norgaard received a one-year \$30,000 grant from the GSU Brains & Behavior Program Seed Grant. Starting in July 2024, their project, "The Relationship Between Resting-State Connectivity, Motor Performance, and Treatment Dosage after Home-Based Mobile-Assisted Piano Therapy Following Stroke," will use resting-state fMRI to study neural mechanisms of motor improvements in stroke survivors after music-based therapy of the app.
- *Stretching Their Reach: Robotic Support for Older Individuals with Mild Cognitive Impairment, Early Alzheimer’s Dementia, and Mobility Impairments* (12/15/22 - 11/30/24) [2R44AG072982-02] National Institute on Aging (National Institutes of Health) Phase II Small Business Innovation Research Grant. Aaron Edsinger, Principal Investigator for Hello Robot and Wendy Rogers, Principal Investigator for University of Illinois.
- Laura Rice awarded grant funding from Illinois Campus Research Board for “Development and Implementation of a Campus Recreation Disability Inclusion Training (CREDIT) program” (Total award: \$29,854; 8/16/22 – 2/15/24)

- Laura Rice awarded grant funding from CO+RE: The Community + Research Partnership Program Grant for “Disability Awareness Training and Education Program Expansion” (Total award: \$50,000; 6/15/22 – 6/14/2023).
- Center for Research and Education on Aging and Technology Enhancement (CREATE V) (6/15/22 - 5/31/27) [P01AG073090] National Institutes of Health (National Institute on Aging): Wendy A. Rogers, Principal Investigator for Illinois site.
- Stretching Their Reach: Robotic Support for Domestic Activities for Older Individuals with Mobility Limitations (9/15/21 - 5/31/22; NCE 11/30/22) [1R43AG072982-01]. National Institute on Aging (National Institutes of Health) Phase I Small Business Innovation Research Grant. Aaron Edsinger, Principal Investigator for Hello Robot and Wendy Rogers, Principal Investigator for University of Illinois.
- Laura Rice awarded grant funding from Craig H. Neilsen Foundation for “Development and Validation of a mHealth Fall Management Program” (Total award: \$399,068; 10/31/2021 – 10/30/2023).
- “Perception-Informed Task and Motion Planning of Legged Assistive Robots in Smart Home Environments”. Institute for Robotics and Intelligent Machines (IRIM) / Institute for People and Technology (IPaT) seed grant to explore advancing the combination of assistive robotics and the smarhome sensing. Ye Han, Patricio Vela, and Brian Jones.
- “Stretching Their Reach: Robotic Support for Domestic Activities for Older Individuals with Mobility Limitations” (9/15/21 - 5/31/22) [1R43AG072982-01]. National Institute on Aging (National Institutes of Health) Phase I Small Business Innovation Research Grant. Aaron Edsinger, Principal Investigator for Hello Robot and Wendy Rogers, Principal Investigator for University of Illinois (Total award \$256,064)
- “Integrating Voice-Activation Technology with a Social Engagement Platform for Older Adults with and without Mild Cognitive Impairment in Assisted Living” (9/1/21 - 8/31/22) [1R43AG074824-01]. National Institute on Aging (National Institutes of Health) Phase I Small Business Innovation Research Grant. Lydia Nguyen, Principal Investigator for iN2L and Raksha Mudar, Principal Investigator for University of Illinois; Wendy A. Rogers co-PI for University of Illinois (Total award \$449,463).
- “Video Technology-based Social Engagement Intervention for Family Care Partners of Persons with Dementia” (7/1/21 - 12/31/22). RRF Foundation for Aging Research Grant (Total award \$144,258). Raksha A. Mudar, Minakshi Raj, & Wendy A. Rogers, co-Principal Investigators.
- Laura Rice received a grant from the Craig Neilsen Foundation for “Fire Safety Preparedness for Wheelchair users Living with Spinal Cord Injury” (Total award: \$199,614; 10/31/2021 – 10/30/2023)
- TechSage Training team (Carolyn Phillips and Liz Persaud) have led efforts to develop adapted and accessible versions of CDC’s COVID-19 guidance, a project made possible with funding from the CDC Foundation. Accessible versions include ASL, braille, and minimized text complexity. <https://cidi.gatech.edu/covid>
- “Wayfinding Assistance for Persons with Visual Impairments via Mobile Robotics” (1/1/21 - 7/31/22) Campus Research Board Research Support Award (Total award \$30,000). Katherine Driggs-Campbell & Wendy A. Rogers, co-Principal Investigators.
- Laura Rice received grant funding from Paralyzed Veterans of America (PVA) to develop an online fall management program
- Emory-Georgia Tech Healthcare Innovation Program/Georgia Clinical & Translational Science Alliance Seed Grant Award (\$25K) to support “Feasibility of Measuring Natural Gait Speed to Identify Falls Risk in Individuals with Mild Cognitive Impairment (MCI)” (Investigators: Jon Sanford, Joe Nocera, Dawn Fletcher and Brian Jones). Award will support the development of more systems for installation in the Brain Health Center to assess gait speed in the clinical environment.
- Illinois Physical Therapy Foundation award for “Prediction of falls using clinical balance measures among non-ambulatory individuals with spinal cord injury: A prospective cohort study”. (PI Laura Rice, \$1K)

- “Enhancing Neurocognitive Health, Abilities, Networks, and Community Engagement (ENHANCE)” (9/30/19 - 9/29/24) [90REG0012]. National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Rehabilitation Engineering Research Center (RERC). Sara Czaja & Walter Boot Co-Directors; Wendy Rogers & Raksha Mudar Co-Investigators for University of Illinois (Total award \$4,624,999; Subcontract to Illinois: \$1,398,400)
- “Identifying Changing Responsibilities and Support Needs of Aging Caregivers of Veterans with Traumatic Brain Injury” (6/15/20 - 6/14/21). Chez Veterans Center’s Military Service Knowledge Collaborative 2020 Seed Grant Award (Total award \$15,000). Sandraluz Lara-Cinisomo and Raksha Mudar, co-Principal Investigators; Wendy A. Rogers, consultant.
- “Reducing Social Isolation Demonstration Project” (10/1/19 - 9/30/20); Funding from the East Central Illinois Area Agency on Aging. Amy Brown (CRIS Healthy Aging Center) & Wendy Rogers (Illinois) Co-Investigators (Total award \$31,250).
- Cognitive Empowerment Program (Georgia Tech/Emory Brain Health Initiative) seed grant award, “Feasibility of Using Tele-Technology for Mind-Body Interventions for People with Mild Cognitive Impairment” (CoPIs: Tracy Mitzner & Patty Griffiths, funded \$29K)
- Cognitive Empowerment Program (Georgia Tech/Emory Brain Health Initiative) seed grant award, “Feasibility of Measuring Natural Gait Speed In-Home to Quantify Falls Risk in Individuals with MCI”. (Investigators: Jon Sanford, Joe Nocera, Dawn Fletcher)
- Cognitive Empowerment Program (Georgia Tech/Emory Brain Health Initiative) seed grant award, “Development and Testing of a Social Game with the Therapeutic Potential for Individuals with MCI and their Families” (Investigators: Chantal Kerssens, Maribeth Gandy Coleman & Laura Levy)
- NIH Award on “Cannabis use and risk of falling in older adults”; (PI: Rudroff, University of Iowa; Co-Investigator: Jake Sosnoff).
- NSF Award on the “Next-Generation Robotic Intelligence that Provides Psycho-Social Support for Older Adults” (Project team: Claudia Rebola)
- NSF DRL grant “Highly Adaptive Science Simulations for Accessible STEM” (Co-PI Carrie Bruce; UC Boulder is Prime; funded \$1.9M)
- Supporting Social Engagement through Technology for Older Adults with and without MCI (4/1/18 - 12/31/18) [R43AG059450] Phase I Small Business Innovation Research Grant from the National Institute on Aging (National Institutes of Health). Dillon Myers, Principal Investigator for Potluck, LLC and Wendy A. Rogers, Principal Investigator for University of Illinois.
- Illinois Seniors Smart-Home Initiative: Information Resources, Training, & Outreach (1/1/18 - 12/31/18) Illinois Science and Energy Innovation Foundation (ISEIF): Linda Simpson, PI at Eastern Illinois University; Wendy A. Rogers & Paul Francisco, co-principal investigators for University of Illinois.
- Koon, L. M. & Ramavarapu, S. S (2017) Collaborations in Health, Aging, Research and Technology (CHART) Pilot Grant. Examining the Facilitators and Barriers to Using a Digital Home Assistant Technology for Older Adults [\$4,715]
- Su Jin Lee (PI), Jon Sanford and Patty Griffiths received a Field Initiated Program award from the National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR). The award will support the three-year project “Considerations for Caregivers and Care Recipients During Bathroom Activity Performance”. The immediate output of the study will be an evidence base for design criteria for bathroom design interventions that will meet the specific toilet transfer needs of the dyadic target population
- Application for Locational Intelligence and Geospatial Navigation (ALIGN) team, led by Principal Investigators Jon Sanford & Subhro Guhathakurta, received a Field Initiated Program award from the National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR). The award will support the team for a three-year effort to produce a prototype of ALIGN 2.0 that will enhance the

effectiveness and extend the utility of the existing database and routing algorithm through the inclusion and application of real-time barriers to community mobility.

- Ted Johnson, Brian Jones, and Carolyn Clevenger were awarded a seed grant by Atlanta Clinical & Translational Science Institute (ACTSI) Health Innovation Program Seed Grant. This award was for their project titled, “Assessing Gait Speed to Inform Frailty Evaluation (AGILE)”, which is related to their TechSage project D1.3, “A Mobile Application to Measure Gait Speed”.  
Jon Sanford and Elena Gonzalez were awarded the Georgia Tech “GT FIRE Mini” award to support food and beverages for monthly meetings of Design and Technologies for Healthy Aging (DATHA) for the 2015-2016 school year.

### TechSage Affiliated Student Theses & Dissertations

- Okoro, J. (2024). Wayfinding Assistance for Persons with Vision Impairments: Subject Matter Expert Insights. [MS Health Technology Program capstone project, University of Illinois Urbana-Champaign.]
- Liu, Shuijing (2024). Learning structured interaction models for robot navigation in human environments. [Ph.D. Dissertation, Electrical and Computer Engineering, University of Illinois Urbana-Champaign.]
- Heniff, E. (2024, April). Discovering Communication Challenges and Response Strategies of Late-Deafened Older Adults. Capstone project, University of Illinois Urbana-Champaign.
- Bayles, M. (2023). Supporting veterans with substance abuse: A user-centered design approach for social robots. [Ph.D. Dissertation, Community Health, University of Illinois Urbana Champaign]
- Hussaini, H. (2023). Older Adults' Perspectives on Privacy and Security with Digital Home Assistants. [Honor's Thesis, University of Illinois Urbana Champaign]
- Blocker, K. (2022). Developing a Framework to Guide Personalized Support for Older Adults Learning Novel Technologies. [Ph.D. Dissertation, Educational Psychology, University of Illinois Urbana Champaign]
- Harris, M. (2022). Addressing Gaps in Equity through Wearables. [Ph.D. Dissertation, Community Health, University of Illinois Urbana Champaign]
- Khamzina, M. (2022). Successful Aging in the Presence of Disability. [Ph.D. Dissertation, Community Health, University of Illinois Urbana Champaign]
- Frechette, M. (2022). Cognitive-Motor Interaction During Wheelchair Propulsion. [Ph.D. Dissertation, Kinesiology, University of Illinois Urbana Champaign]
- Talyan, A. (2022). Optimally designing smart technology for older adults to assist them in their pet-caring activities. [Master's Thesis, Human Computer Interaction, Georgia Tech].
- Lee, S. (2022). Development of a Dyadic Transfer Assessment Instrument. [Ph.D. Dissertation, Industrial Design, Georgia Tech]
- Abou, L. (2021). Factors Associated with Falls among Wheelchair Users Living with Spinal Cord Injury. [Ph.D. Dissertation, Kinesiology, University of Illinois Urbana Champaign]
- Fliflet, A. (2021). Insights on an Automated Fall Detection Device Designed for Older Adult Wheelchair and Scooter Users: A Qualitative Study. [Master's Thesis, Kinesiology, University of Illinois Urbana Champaign]
- Thompson, B. (2021). Evaluation of Mobile Devices as a Control Method for Augmented Reality. [Master's Thesis, Georgia Tech].
- Levy, L. (2021). Impacts on performance effectiveness, processing efficiency, and subjective experience by music listening in extraverts and introverts. [Ph.D. Dissertation, Psychology, Georgia Tech]
- Eastwood, S. (2021). Understanding the Context of Receiving Assistance from Others with Everyday Activities: Insights from Adults Aging with Mobility Disability [Senior Thesis, Georgia Tech].

- Bayles, M. (2020). A Holistic Understanding of Older Adults' Acceptance of Domestic Robots. [Master's Thesis, Community Health, University of Illinois Urbana Champaign]
- Frechette, M. (2020). The validity, reliability, and sensitivity of a smartphone-based seated postural control assessment in wheelchair users. [Master's Thesis, Kinesiology, University of Illinois Urbana Champaign]
- Hsieh, K. (2020). Fall risk assessment with mobile technology for people with multiple sclerosis. [Ph.D. Dissertation, Kinesiology, University of Illinois Urbana Champaign]
- Natarajan, P. (2019). Design of a Wine Opener for People with Limited Hand Function. [Master's Thesis, Georgia Tech].
- Kascak, L. (2018). Development and Validation of the Universal Design Mobile Interface Guidelines through a Mobile Health and Wellness App for Individuals Aging with MS. [Ph.D. Dissertation, Industrial Design, Georgia Tech]
- Harrington, C. (2017). Understanding the effect of persuasive systems design on older adults' physical activity levels. [Ph.D. Dissertation, Industrial Design, Georgia Tech]
- Keen, R. (2018). Improving Fixed-Route Public Transportation Systems for People with Disabilities Using Biometric Profiling and Geospatial Intelligence. [Master's Thesis, Industrial Design, Georgia Tech].
- Park, D. (2018). A Multimodal Execution Monitor for Assistive Robots. [Ph.D. Dissertation, Computer Science, Georgia Tech]
- Kapusta, A. (2018). Optimization and Simulation for Robotic Assistance with Assistive Tasks. [Ph.D. Dissertation, Robotics, Georgia Tech]
- Grice, P. (2017). Assistive mobile manipulation for users with severe motor impairments. [Ph.D. Dissertation, Robotics, Georgia Tech]
- Stuck, R. (2017). Understanding dimensions of trust between older adults and human or robot care providers. [Master's Thesis, Engineering Psychology, Georgia Tech].
- Upadhayaya, R. (2017). Delivering Medication Alerts to Older Adults Using Social Media. [Master's Thesis, Human Computer Interaction Georgia Tech].
- Zhou, X. (2016). Smart Home System for Older Adults. [Master's Thesis, Industrial Design, Georgia Tech].
- Cheuk, J. (2015). Universal Design Bathtub for Older Adults. [Master's Thesis, Industrial Design, Georgia Tech].
- Li, Y. (2015). TripAdvisor Redesign for Seniors with Disabilities. [Master's Thesis, Industrial Design, Georgia Tech].
- Li, G. (2015). Social Network Application Design for Elders Living in Senior Communities. [Master's Thesis, Industrial Design, Georgia Tech].

#### **Internships Supported by TechSAge**

- Patrick Pekala, TechSAge Communications Intern, University of Illinois Urbana-Champaign (Fall 2025 – present)
- Xingyi (Ella) Chen, TechSAge Communications Intern, University of Illinois Urbana-Champaign (Fall 2024 – Spring 2025)
- Ethan Mudd, Interdisciplinary Health Sciences Intern, University of Illinois Urbana-Champaign (Spring 2023)
- Haseeb Rehman, Interdisciplinary Health Sciences Intern, University of Illinois Urbana-Champaign (Spring 2023)
- Emma Lachs, Project Coordinator Intern, University of Illinois Urbana-Champaign (Spring 2023)
- Sujana Vangala, TechSAge Communications Intern, Georgia Tech, Summer (Fall 2023 – Spring 2024)

- Chandler Pearson, TechSage Communications Intern, Georgia Tech, Summer (Spring 2022 –Spring 2023)
- Tiffany Khaikham, TechSage Communications Intern, Georgia Tech, Summer (Summer 2021 – Fall 2021)
- Sofi Soto, TechSage Communications Intern, Georgia Tech, Summer (Summer 2019 – Spring 2021)
- Justin Phillips, TechSage Communications Intern, Georgia Tech, Summer (Summer 2019)
- Nadia Ferrer, B.S. student in Engineering Psychology, Tufts University (Summer 2017)
- Christelle Montreuil, Ph.D. student in Universal Design & Accessibility, Université Laval, Quebec, Canada (Fall 2015)

#### **App Development Awards supported by TechSage**

- SoYoung Choi and Jooyoung Seo awarded \$5000 to conduct an accessibility and usability evaluation of mobile health apps among older adults with visual impairments
- Yi-An Chen awarded \$5,000 to support the development of a client-centered piano training app, which provides an engaging music-based intervention to improve functions and quality of life after stroke. (2022, June).
- Susan Lee awarded \$10,000 to support the development of a useful and usable parametric modeling software for 3D printing that would enable AT providers, who are novice users of 3DP, to design and fabricate customized adaptations for clients. (2022, June).
- Sutanuka Bhattacharjya awarded \$5,000 to support the development of Digi Hand - a digital hand rehabilitation system that utilizes a camera system to capture activity performance and smart objects (e.g., mug) augmented with inertial measurement units that capture arm and hand movement. (2022, June).
- Vikram Ramavarapu awarded \$5000 to support the development of a help and recommendation application for the Amazon Alexa as part of the Voice-Activated Digital Assistants project (2021, June)
- Jake Sosnoff awarded additional \$10,000 to support graduate student work on Steady Wheels app – a mobile health application regarding mobility and fall risk in older adults with mobility impairment (2020, March)
- Ljilja Kascak was awarded \$5000 to support development of MS Assistant, a health monitoring mobile application for people with Multiple Sclerosis.
- Yilin (Elaine) Liu was awarded \$3000 to support development of GatePal, an airport wayfinding application that provides navigational information and activity planning information (e.g. flight schedule, time for each activity) to older adult travelers.

## **Awards**

#### **Center Awards/Achievements**

- ATIA (Assistive Technology Association) aging strand - TechSage Board member, Caroline Van Howe (ATIA COO), initiated a new strand for the conference focused specifically on aging. Wendy Rogers served as the Co-Strand Leader for the ATIA 2024 annual meeting. Laura Rice is serving as the as the Co-Strand Leader for the ATIA 2025 annual meeting and is coordinating submissions now.
- Wheel Safe (D2 project) was selected to be involved in Phase 2 of the University Pittsburgh IMPACT Center tech transfer program, which includes a \$25,000 award to support tech transfer activities.
- TechSage session “Designing User-Centered Technologies to Support Aging with Disability” at the 2024 Assistive Technology Industry Association (ATIA) received the [Joy Zabala Spirit Award](#). Presenters: Elena Remillard, Jon Sanford, Laura Rice & Tracy Mitzner.

- TechSAGE was selected as a finalist for the 2016 Atlanta Magazine Groundbreaker awards. The 2016 groundbreaker selections were focused on making Atlanta an “all-ages” city.

### Faculty Awards/Achievements

- Laura Rice selected as a liaison between RESNA and NIDILRR
- Laura Rice and Jon Sanford were invited to participate in a National Council on Aging Fall Prevention seminar in Sept. 2024.
- The D2 Monitoring and Managing Falls project was selected to participate in Phase II of the University of Pittsburgh IMPACT Center (as a part of new TechSAGE grant)
- Wendy Rogers gave a keynote lecture on "Designing Robots to Improve Quality of Life for Older Adults" at the ISG World Conference on Gerontechnology in Frankfurt, Germany.
- Tracy Mitzner was named a Fellow of the Gerontological Society of America. She will be recognized at the 2024 scientific meeting.
- Laura Rice elected as an Illinois Researcher to Know- <https://www.istcoalition.org/data/researchers-to-know-2024/> by the Illinois Science and Technology Coalition.
- Laura Rice - Won Academy of Spinal Cord Injury Professional (ASCIP) Distinguished Clinical Award – This award recognizes an ASCIP member who has outstanding clinical contributions in the areas of SCI/D. This may include demonstration of clinical application of evidenced based medicine and/or translational research.
- 2021 Platinum Level Touchstone Research Award for *Revising Grab Bar Specifications for Senior Living*. Center for Healthcare Design awarded to Maggie Calkins (IDEAS Institute) and Jon Sanford & Su Jin Lee (Georgia Institute of Technology).
- Wendy Rogers named 2021 recipient of the King J. McCristal Distinguished Scholar Award, College of Applied Health Sciences, University of Illinois Urbana-Champaign. [https://ahs.illinois.edu/2021\\_mccristal\\_lecture](https://ahs.illinois.edu/2021_mccristal_lecture)
- Jake Sosnoff was recognized as World Expert on accidental falls by Expertscape's PubMed-based algorithms. He is in the top 0.1% of scholars writing about Accidental Falls over the past 10 years. <https://www.expertscape.com/ex/accidental+falls>  
[https://twitter.com/Daily\\_Experts/status/1308402203661664267](https://twitter.com/Daily_Experts/status/1308402203661664267)
- Jacob Sosnoff appointed Associate Dean For Research at the University of Kansas Medical Center: [https://www.kumc.edu/news-listing-page/sosnoff\\_new\\_shp\\_associate\\_dean.html](https://www.kumc.edu/news-listing-page/sosnoff_new_shp_associate_dean.html)
- Laura Rice was promoted to an Associate Professor at the University of Illinois at Urbana Champaign with tenure in part due to her involvement with this project.
- Su Jin “Susan” Lee received 2020 Outstanding Research Faculty award for the College of Design (Georgia Institute of Technology).
- Jon Sanford named member of the AGE-WELL International Scientific Advisory Committee.
- Patricia Griffiths was inducted as a fellow of the Gerontological Society of America, Behavioral and Social Sciences section (2018)
- *Health and Wellbeing for Interior Architecture* book, featuring chapter by Jon Sanford entitled, “Universal Design, Design for Aging in Place, and Habilitative Design in Residential Environments” won the 2018 Interior Designers Educators Council (IDEC) Book Award.
- Authors Jon Sanford, Subhrajit Guhathakurta, Sarah Melgen and Ge Zhang received “Best Papers” award for “Utility of a Mobile Route Planning App for People Aging with Disability” at the 2018 Smart Accessibility Conference in Rome, Italy.

- Authors Elena Remillard, Tracy Mitzner, Jenny Singleton and Wendy Rogers received “Best Papers” award for “A Qualitative Approach to Understanding User Needs for Aging with Disability” at the 2018 Smart Accessibility Conference in Rome, Italy.
- Carolyn Phillips named interim director of AMAC Accessibility (2017, November)
- Jon Sanford was inducted as a fellow of the Gerontological Society of America (2017).
- Wendy Rogers began her appointment at the University of Illinois in January, 2017. She was appointed as the Shahid and Ann Carlson Khan Professor of Applied Health Sciences.
- Wendy Rogers was inducted as a Fellow of the Gerontological Society of America (2016, November).
- Wendy Rogers received the 2014 Oliver Hansen Outreach Award from the Human Factors and Ergonomics Society recognizing “significant activities that broaden awareness of the existence of the human factors/ergonomics profession and the benefits it brings to humankind.”
- Jon Sanford was awarded the 2014 Outstanding Research and Scholarship Award, College of Architecture, Georgia Institute of Technology.

### Student Awards/Achievements

- The Wheel Safe team (Laura Rice, Gaby Trier, Becky Shamberg & Katie Moy) won 2nd place in the Cozad New Venture Challenge. The semester-long startup competition, hosted by the UIUC Technology Entrepreneur Center, gives student startup companies the opportunity to network with industry professionals, mentors, and investors to compete for a prize pool up to \$400,000. The team won a total prize of \$7,250.
- Husna Hussaini received an award for “Outstanding Senior Award & Best Undergraduate Paper” from Illinois Department of Sociology for her honor’s thesis: *Older Adults’ Perspectives on Privacy and Security with Digital Home Assistants*.
- Mikaela Frechette received Joanne M. Carraway and Charlse M. Carraway Scholarship, a Department of Kinesiology and Community Health award.
- Maurita Harris has been selected as a recipient of a 2021 American Psychological Association (APA) Dissertation Research Award, for her dissertation: *Addressing Gaps in Equity through Wearables (AGE-Wear)*. This award of \$5,000 is to be used to help offset dissertation research costs.
- Widya Ramadhani was selected as a [Barbara A. Yates Fellow from the Women and Gender in Global Perspectives Program](#) at the University of Illinois. The Barbara A. Yates fellowship is designed to support policy-oriented research on socioeconomic issues related to women and gender in developing countries. The Fellowship is for the academic year and will include a stipend of \$14,000 and a tuition and fee waiver.
- Libak Abou, received a Department of Kinesiology and Community Health award (Laura J. Huelster Scholarship Award) for his contributions to the project’s high-quality research and presented many of the findings to date at a department Seminar.
- Husna Husaini, a rising junior double majoring in Sociology and Molecular & Cellular Biology, was selected as a Community-Academic scholar by the Illinois Health Sciences Institute at the University of Illinois Urbana Champaign. She is working on the D4/R2 project in collaboration with CRIS Healthy Aging.
- Kenneth Blocker received a William Chandler Bagley Doctoral Scholarship, which honors an outstanding graduate student in the College of Education at the University of Illinois Urbana-Champaign.
- Mikaela Frechette was selected as Siebel Center for Design Scholar at the University of Illinois at Urbana-Champaign for the 2020-21 academic year.
- Libak Abou received the Chittenden Fellowship (internal UIUC fellowship) to fund his Ph.D. work on the Monitoring and Managing Falls project.

- Maya Malecki was awarded a Community-Academic Scholars award from the Illinois Interdisciplinary Health Sciences Institute. She was selected for the Scholars for Brain Health category and received funding to work on a collaborative project with CRIS Health Aging during summer 2020 (\$3,500).
- Zackory Erickson lead author of paper “Multidimensional Capacitive Sensing for Robot-Assisted Dressing and Bathing”, named Best Student Paper Award finalist at the International Conference on Rehabilitation Robotics (ICORR), 2019 in Toronto, Canada.
- Su Jin (Susan) Lee accepted to AGEWELL Canada Summer Institute (2019, Summer). She is the first U.S. student to attend.
- Maurita Harris awarded a National Institute on Aging Research Supplement to Promote Diversity in Health-Related Research.
- Achyuthkumar Sanath received an honorable mention award for the 2016 RESNA Student Scientific Paper Competition for paper titled, “Analysis of the Effect of a Rear Wall Grab Bar configuration on the Fall Risk Associated with Toilet Transfer in Older Adults with Mobility Impairment”. (2016, July).
- Christina Harrington received the 2015 Human Factors and Ergonomics Society (HFES) Aging Technical Group Scholarship for her proposal, “Evaluating the Most Effective Format of Quick-Start Guide to Aid Older Adults in Performing Gesture-based Interactions.
- Megan Rich presented her work titled, “Tool Usage by an Assistive Mobile Manipulator for Activities of Daily Living”, at the Petit Fellowship Final Presentations Event (2015, November)

**Georgia Tech President’s Undergraduate Research Award (PURA)**

- Hiyong Byun (Human Factors and Aging Lab)
- Megan Rich (Healthcare Robotics Lab)

**Media Features**

**Internet**

**Internal**

- TechSAge Newsletter (Fall 2024): <https://techsage.ahs.illinois.edu/files/2025/01/Fall-2024-TechSAge-Newsletter-PDF.pdf>
- TechSAge Newsletter (Fall 2023): [https://techsage.gatech.edu/sites/default/files/2023-12/Fall%202023%20TechSAge%20Newsletter%20PDF\\_0.pdf](https://techsage.gatech.edu/sites/default/files/2023-12/Fall%202023%20TechSAge%20Newsletter%20PDF_0.pdf)
- TechSAge Newsletter (Fall 2022): [https://techsage.gatech.edu/sites/default/files/2022-10/Fall%202022\\_TechSAge%20Newsletter.pdf](https://techsage.gatech.edu/sites/default/files/2022-10/Fall%202022_TechSAge%20Newsletter.pdf)
- TechSAge Newsletter (Summer 2021): [https://techsage.gatech.edu/sites/default/files/2021-08/Summer\\_2021\\_TechSAge%20Newsletter\\_final.pdf](https://techsage.gatech.edu/sites/default/files/2021-08/Summer_2021_TechSAge%20Newsletter_final.pdf)
- TechSAge Newsletter (Summer 2020) [https://techsage.gatech.edu/sites/default/files/2020-12/Summer\\_2020\\_TechSAge\\_Newsletter.pdf](https://techsage.gatech.edu/sites/default/files/2020-12/Summer_2020_TechSAge_Newsletter.pdf)
- TechSAge News (2019, November), “Tai Chi Leader Meets with TechSAge Researchers to Talk Preventative and Inclusive Health” (Article by Shaina Walker, CIDI, Georgia Tech).
- <https://techsage.gatech.edu/feature/tai-chi-leader-meets-techsage>
- TechSAge Newsletter (Fall 2019) [https://techsage.gatech.edu/sites/default/files/2020-12/TechSAge\\_Newsletter\\_Fall\\_2019\\_final.pdf](https://techsage.gatech.edu/sites/default/files/2020-12/TechSAge_Newsletter_Fall_2019_final.pdf)

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### External

- Dr. Lam Tai Chi for Health Newsletter (2025, October). Issue highlights TechSAGE Tele Tai Chi Program publication and community deployment <https://mailchi.mp/tchi/dr-paul-lam-tai-chi-for-health-newsletter-oct-2025?e=194d3129ff>
- Center for Inclusive Design and Innovation (2025, March) Access Granted: The Research at the Intersection of Disability and Aging. <https://cidi.gatech.edu/feature/access-granted-research-intersection-disability-and-aging>
- Kansas Alumni Magazine (2025, January) Issue highlights Kansas researcher Lindsey Koon's effort to improve health and fitness for people with disabilities. <https://kansasalumnimagazine.org/wp-content/uploads/2024/12/Kansas-Alumni-magazine-fall-2024.pdf>
- Smilepolitely (2024, December) Researcher at U of I improving quality of life for individuals aging with disabilities <https://www.smilepolitely.com/culture/researcher-at-u-of-i-improving-quality-of-life-for-individuals-aging-with-disabilities/>
- Dr. Lam Tai Chi for Health Newsletter (2024, November). Issue highlights TechSAGE Tele Tai Chi Program video <https://mailchi.mp/tchi/dr-paul-lam-tai-chi-for-health-newsletter-nov-2024?e=f1d2eb4db9>
- Illinois News Bureau (2024, July). Laura Rice's research on falls among wheelchair and scooter users featured. [https://news.illinois.edu/view/6367/628728905?utm\\_medium=email&utm\\_campaign=vtshagr1&utm\\_source=storyemail](https://news.illinois.edu/view/6367/628728905?utm_medium=email&utm_campaign=vtshagr1&utm_source=storyemail)
- Neurology Live (2023, December). Laura Rice interview with International Journal of MS Care about fall prevention and management for people living with MS <https://www.neurologylive.com/view/ijmsc-insights-ms-mobility-laura-rice>
- Dr. Lam Tai Chi for Health Newsletter (2024, January). Issue highlights TechSAGE Tele Tai Chi study and TechSAGE grant <https://mailchi.mp/tchi/dr-paul-lam-tai-chi-for-health-newsletter-jul-2022?e=f1d2eb4db9>
- Georgia Tech Institute for People and Technology (IPaT; 2023, October), "Rehabilitation engineering research center on aging with disability renews grant". <https://research.gatech.edu/rehabilitation-engineering-research-center-aging-disability-renews-grant>
- University of Illinois College of Applied Health Sciences (2023, October). "Laura Rice Gets Grant to Extend TechSAGE Work. <https://ahs.illinois.edu/blog/laura-rice-gets-grant-extend-techsage-work>
- AI-CARING (2023, March) "Stretch Robot Pitch Competition 2022 Winners," [https://www.ai-caring.org/news/Stretch\\_Robot\\_Pitch\\_Competition\\_2022](https://www.ai-caring.org/news/Stretch_Robot_Pitch_Competition_2022)
- University of Illinois STORIED (2022, November) "Home is where the robot is," <https://storied.illinois.edu/mckechnie-family-life-home/>
- Dr. Lam Tai Chi for Health Newsletter for Instructors (2022, July). Issue highlights Tele Tai Chi study and TechSAGE publication, "Research-Driven Guidelines for Delivering Group Exercise Programs via Videoconferencing to Older Adults". <https://mailchi.mp/tchi/dr-paul-lam-tai-chi-for-health-newsletter-jul-2022?e=f1d2eb4db9>
- LeadingAge (2021, November) "How to Build a Telewellness Class" article highlights Telewellness Tool and Tele Tai Chi study <https://leadingage.org/cast/how-build-telewellness-class>
- Dr. Lam Tai Chi for Health Newsletter for Instructors (2021, August). Issue highlights Tele Tai Chi study and Telewellness Tool. <https://mailchi.mp/taichiproductions/dr-lam-upcoming-workshops-from-feb-878890?e=7939afed00>
- Illinois College of Applied Health Sciences news story, "Students show creativity in robot competition". [https://ahs.illinois.edu/TechSAGE\\_competition](https://ahs.illinois.edu/TechSAGE_competition)

- National Rehabilitation Information Center (NARIC) Research in Focus Weekly Digest (2022, March). Newsletter featured TechSAGE Stretch Robot Pitch Competition. <http://www.icontact-archive.com/archive?c=654309&f=1190&s=26993&m=930361&t=635cba0a9267f719dd304fcd1ae764b160681b0bc4432192fe4b80b0dffecb7c>
- The News-Gazette (2021, December) “At McKechnie LIFE Home, UI tests future of domestic living” features TechSAGE Co-Director, Wendy Rogers. [https://www.news-gazette.com/news/at-mckechnie-life-home-ui-tests-future-of-domestic-living/article\\_93f80f7c-9155-531d-a84b-106b8b70c562.html?utm\\_campaign=blox&utm\\_source=twitter&utm\\_medium=social](https://www.news-gazette.com/news/at-mckechnie-life-home-ui-tests-future-of-domestic-living/article_93f80f7c-9155-531d-a84b-106b8b70c562.html?utm_campaign=blox&utm_source=twitter&utm_medium=social)
- University of Illinois College of Applied Health Sciences “McCristal Lecture Focuses on Robots” highlights Dr. Wendy Rogers’ talk on research on health and wellness robots as the 2021 King McCristal Distinguished Scholar in the College of Applied Health Sciences. [https://ahs.illinois.edu/2021\\_mccristal\\_lecture](https://ahs.illinois.edu/2021_mccristal_lecture)
- National Rehabilitation Information Center (NARIC) Research in Focus Weekly Digest (2021, September). Newsletter featured TechSAGE publication, “Understanding exercise challenges and barriers for older adults with mobility disabilities” and the TechSAGE Annual Newsletter. <http://www.icontact-archive.com/archive?c=654309&f=1190&s=26993&m=925189&t=635cba0a9267f719dd304fcd1ae764b160681b0bc4432192fe4b80b0dffecb7c>
- Monitor on Psychology Magazine (A publication of the American Psychological Association; 2021, July). Feature story, “Optimizing tech for older adults: Psychologists are helping to study, design, and adapt all kinds of technologies to make them intuitively understandable for older adults”, highlights TechSAGE and TechSAGE Investigators Wendy Rogers, Tracy Mitzner, and Lyndsie Koon. <https://www.apa.org/monitor/2021/07/tech-older-adults>
- The Verge: “Apple’s new health features bring new focus to elder care technology”. The article discusses Apple’s new walking steadiness indicator and features an interview with our very own Jacob Sosnoff. Read the full article for his conversation on the potential for this iPhone feature to increase users’ awareness of their falls risk and help prevent falls.
- National Rehabilitation Information Center (NARIC) Research in Focus Weekly Digest (2020, December). “People Aging with Mobility Disabilities Share Common Challenges and Strategies for Success,” highlights article by Lyndsie Koon, Elena Remillard, Tracy Mitzner, & Wendy Rogers. <https://www.naric.com/sites/default/files/People%20Aging%20with%20Mobility%20Disabilities%20Share%20Common%20Challenges%20and%20Strategies%20for%20Success.pdf>
- U.S. Access Board e-newsletter, 'Access Currents', (2020, June). The Issue featured an article on our Universal Design video series and is disseminated to over 21,000 subscribers. <https://content.govdelivery.com/accounts/USACCESS/bulletins/292a48c?regfrom=share>
- National Rehabilitation Information Center (NARIC) Research in Focus Weekly Digest (2020, April). Release of TechSAGE Amazon Echo User Guides “Basics” and “Setting Up” highlighted. <http://www.icontact-archive.com/archive?c=654309&f=1190&s=26993&m=908679&t=635cba0a9267f719dd304fcd1ae764b160681b0bc4432192fe4b80b0dffecb7c>
- Dr. Lam Tai Chi for Health Newsletter (2019, November). Issue highlights Tele Tai Chi project and partnership with GT <https://us7.campaign-archive.com/?u=883badf8d83ffa20e63083172&id=e533dd9c8f>
- National Rehabilitation Information Center (NARIC) Research in Focus Weekly Digest (2019, November). “Older Adults Share What Helps Them Trust a Home Care Provider”, highlights research article by Rachel Stuck and Wendy Rogers. <https://naric.com/sites/default/files/Older%20Adults%20Share%20What%20Helps%20Them%20Trust%20a%20Home%20Care%20Provider.pdf>

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- National Rehabilitation Information Center (NARIC) News and Notes Weekly Digest (2019, November). “Tai Chi Leader Meets with TechSage Researchers to Talk Preventative and Inclusive Health” news story featured. <http://www.icontact-archive.com/archive?c=654309&f=1190&s=26993&m=902994&t=635cba0a9267f719dd304fcd1ae764b160681b0bc4432192fe4b80b0dffecb7c#>
- Georgia Tech Research Horizons (2019, November). TechSage projects (Telewellness and Smartbathroom) highlighted in news story, “Helping Aging Adults Take Their Power Back”. <https://research.gatech.edu/helping-aging-adults-take-their-power-back>
- Georgia Tech Research Horizons (2019, March). Research by Investigator Charlie Kemp and Phil Grice featured in news story, “Seeing through a Robot’s Eyes Helps Those with Profound Motor Impairments”. <https://bme.gatech.edu/bme/news/seeing-through-robots-eyes-helps-those-profound-motor-impairments>
- OneClick.chat Blog (2019, March). Blog post highlighting Telewellness Technologies project, “We’re partnering with Georgia Tech to Tackle Aging and Disability-Related Needs”. <https://www.blog.oneclick.chat/my-blog/georgiatechgrant>
- The Daily Illini (the independent student newspaper at the University of Illinois). (November, 2018). “Grant aids aging with disabilities”. <https://dailyillini.com/news/2018/11/05/grant-aids-aging-with-disabilities/#.W-CH8PFxiM0.twitter>
- University of Illinois College of Applied Health Sciences article (2018, October). “U of I Partners with Georgia Tech on Aging Technology” <http://ahs.illinois.edu/techsage-grant-2018>
- Georgia Tech Institute for People and Technology (IPaT) news story (2018, October). “TechSage Receives Grant to Support Aging-in-Place for People with Long-Term Disabilities” <https://research.gatech.edu/techsage-receives-grant-support-aging-place-people-long-term-disabilities>
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## Magazine

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#### Newspaper

#### TV

- Fulton County Television (FGTV) Connect: Social Isolation. TechSAGE investigators, Elena Gonzalez & Su Jin Lee, discuss opportunities for local older adults to participate in aging research at Georgia Tech on an episode of *Connect*, a program powered by the Fulton County Department of Senior Services. Start at ~9:18: <https://youtu.be/tNO5598tqnY?t=9m7s>

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