



## Rehabilitation Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities

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TechSAGE research is funded by a grant from the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR grant number 90REGE0006-01-00) under the auspices of the Rehabilitation and Engineering Research Center on Technologies to Support Aging-in-Place for People with Long-Term Disabilities (TechSAGE; [www.techsagererc.org](http://www.techsagererc.org)) NIDILRR is a Center within the Administration for Community Living (ACL), Department of Health and Human Services (HHS). The contents of this report do not necessarily represent the policy of NIDILRR, ACL, or HHS, and you should not assume endorsement by the Federal Government.

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## **Journal Publications**

*(In Press)*

*(Published)*

1. Frechette, M., Fanning, J., Hsieh, K., Rice, L., & Sosnoff, J. (2022). The Usability of a Smartphone-Based Fall Risk Assessment App for Adult Wheelchair Users: Observational Study. *JMIR Form Res* 2022; 6(9):e32453, <http://doi.org/10.2196/32453>.
2. Hsieh, K.L., Chen, L., & Sosnoff, J. J. (2022). Mobile Technology for Falls Prevention in Older Adults. *The Journals of Gerontology: Series A*, glac116, <https://doi.org/10.1093/gerona/glac116>
3. Kadylak, T., Blocker, K. A., Kovac, C. E., & Rogers, W. A. (2022). Understanding the Potential of Digital Home Assistant Devices for Older Adults through their Initial Perceptions and Attitudes. *Gerontechnology*, 21(1), 1-10.
4. Ramadhani, W., & Rogers, W. A. (2022). Understanding home activities challenges of older adults aging with long-term mobility disabilities: Recommendations for home environment design. *Journal of Aging and Environment*. <https://doi.org/10.1080/26892618.2022.2092929>
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11. Beer, J. M., Mackin, T., Mois, G., Koon, L., Datta, A., Rogers, W. A., & Mitzner, T. L. (2021). User attitudes and implementation requirements of a tele-exercise intervention for people aging with lower body mobility impairment, *Gerontechnology*, 20(2), 1-12. <https://doi.org/10.4017/gt.2021.20.2.6.429.09>
12. Gudur, R., McDonagh, D., Harris, M., & Rogers, W. (2021). Refining a pedagogical approach for employing design thinking as a catalyst. *Design and Technology Education: An International Journal*, 26(3), 230-244. Retrieved from <https://ojs.lboro.ac.uk/DATE/article/view/3065>
13. Abou, L., Fliflet, A., Hawari, L., Presti, P., Sosnoff, J.J., Mahajan, H.P., Frechette, M.L., & Rice, L.A. (2021) Sensitivity of Apple Watch fall detection feature among wheelchair users, *Assistive Technology*, <https://doi.org/10.1080/10400435.2021.1923087>
14. Morrow, D.G., Lane, H.C., & Rogers, W.A. (2021). A framework for design of conversational agents to support health self-care for older adults. *Human Factors*, 63, 369-378. <https://doi.org/10.1177%2F0018720820964085>

15. Stuck, R. & Mitzner, T. L. (2021). Designing Successful Exercise Classes for Older Adults with Mobility Disabilities. *Certified Senior Advisors Journal*.
16. Rice, L.A., Yarnot, R., Mills, S., & Sonsoff, J.J. (2021) A pilot investigation of anterior tilt use among power wheelchair users. *Disability and Rehabilitation: Assistive Technology*, 16(2), 152-159. <https://doi.org/10.1080/17483107.2019.1644676>
17. Hsieh, K., Fanning, J., Frechette, M.L., & Sosnoff, J. J. (2021). Usability of a Fall Risk mHealth App for People with Multiple Sclerosis: Mixed Methods Study. *JMIR Hum Factors*, 8(1): e25604 DOI: 10.2196/25604
18. Abou L., Rice L.A., Frechette, M.L., & Sosnoff, J.J. (2021). Feasibility and preliminary reliability and validity of remote sitting balance assessments among wheelchair users. *International Journal of Rehabilitation Research*, 4(2), 177-180. doi: 10.1097/MRR.0000000000000458.
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<https://doi.org/10.4017/gt.2015.14.1.004.00>
56. Harrington, C. N., Mitzner, T. L., & Rogers, W. A. (2015). Understanding the role of technology for meeting the support needs of older adults in the USA with functional limitations. *Gerontechnology*, 14, 21-31. <https://doi.org/10.4017/gt.2015.14.1.004.00>
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## **Book Chapters**

### *(Submitted)*

1. Sanford, J.A. (submitted). Product Usability Testing and Outcomes: What Works? For Whom? and Why? A. Mihailidis & R. Smith(eds.), *Rehabilitation Engineering Principles and Practice (pp. )*.: CRC Press.

### *(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)*

1. 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.
2. Wooldridge, A. R. & Rogers, W. A. (2021). Understanding the patient, wellness, and caregiving work of older adults. In R. S. Valdez & R. J. Holden (Eds.), *The patient factor: Applications of Patient Ergonomics*

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3. Sanford, J. A. & Remillard, E. T. (2021). Design for one is design for all: The past, present and future of universal design as a strategy for aging-in-place with disability . In M. Putnam, C. Bigby (Eds.), Handbook on Ageing with Disability (pp.169-185). Taylor & Francis/Routledge (Informa UK Limited).
  4. 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)
  5. Harrington, C.N., Koon, L. M., & Rogers, W. A. (2020). Design of health information and communication technologies to support older adults. In A. Sethumadhavan & Farzan (Eds.), Design for health: Applications of Human Factors (pp. 341-363). Elsevier. <https://doi.org/10.1016/B978-0-12-816427-3.00017-8>
  6. Rogers, W. A., Blocker, K.A., & Dupuy, L. (2020). Current and emerging technologies for supporting successful aging. In A. K. Thomas & A. Gutchess (Eds.), The Cambridge handbook of cognitive aging: A life course perspective (pp. 717-736). Cambridge University Press.
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  8. Levy, L. & Gandy, M. (2019) Teaching Video Game Design Accessibility: Toward Effective Pedagogic Interventions in Accessible Design. In M. Antona & C. Stephanidis (Eds.), Universal Access in Human-Computer Interaction. Theory, Methods and Tools. Springer, Cham. [https://doi.org/10.1007/978-3-030-23560-4\\_22](https://doi.org/10.1007/978-3-030-23560-4_22)
  9. Bixter, M., Blocker, K.A., & Rogers, W. A. (2018). Enhancing social engagement of older adults through technology. In R. Pak & A. McLaughlin (Eds.), Aging, Technology, and Health (pp 179-214). Elsevier. <https://doi.org/10.1016/B978-0-12-811272-4.00008-7>
  10. Ruzic, L. & Sanford, J. A. (2017). Universal Design Mobile Interface Guidelines (UDMIG) for an Aging Population. In H. Marston, S. Freeman, & C. Musselwhite (Eds.), Mobile e-Health. Human-Computer Interaction Series (pp. 17-37). Cham: Springer. [https://doi.org/10.1007/978-3-319-60672-9\\_2](https://doi.org/10.1007/978-3-319-60672-9_2)
  11. Sanford, J. A. & Hernandez, S. C. (2017). Universal Design, Design for Aging in Place, and Habilitative Design in Residential Environments. In D. Kopec (Ed.), Health and Wellbeing for Interior Architecture. London, UK: Routledge Publishing. <https://www.routledge.com/Health-and-Well-being-for-Interior-Architecture/Kopec/p/book/9781138206625>
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  15. Ruzic, L. & Sanford, J. A. (2017). Usability of mobile consumer applications for individuals aging with Multiple Sclerosis. In M. Antona and C. Stephanidis (Eds.): Universal Access in Human-Computer Interaction. Design and Development Approaches and Methods, Part I (pp. 258-276). Springer International Publishing. [https://doi.org/10.1007/978-3-319-58706-6\\_21](https://doi.org/10.1007/978-3-319-58706-6_21)
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17. Harrington, C. N., Ruzic, L., & Sanford, J. A. (2017). Universally Accessible mHealth Apps for Older Adults: Towards Increasing Adoption and Sustained Engagement. In M. Antona and C. Stephanidis (Eds.), Universal Access in Human-Computer Interaction. Human and Technological Environments, Part III (pp. 3-12). Springer International Publishing. [https://doi.org/10.1007/978-3-319-58700-4\\_1](https://doi.org/10.1007/978-3-319-58700-4_1)
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19. Mayhorn, C. B., Rogers, W. A., & Echt, K.V. (2016). Designing technology for older adults: Augmenting usefulness and usability via cognitive support. In S. Kwon (Ed.), Gerontechnology: Research, Practice, and Principles in the Field of Technology and Aging ( pp. 389-414). NY: Springer. <https://www.springerpub.com/gerontechnology-9780826128881.html>
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## **Conference Proceedings**

*(In press)*

*(Published)*

1. Nie, Q., & Rogers, W. A. (2022). Understanding Health Self-Management Challenges and Needs for Older Adults with and without Mobility and Sensory Disabilities. Proceedings of the International Symposium

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## **Technical Reports and Papers**

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5. Ramadhani, W. A. & Rogers, W. A. (2021). *Aging in Place at Home: Understanding personal and*

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  11. 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.
  12. 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.
  13. 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.
  14. 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.
  15. 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.
  16. 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.
  17. 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.
  18. 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.

19. 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.
20. 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.
21. 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.
22. 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.
23. Bryant, P., Vladimirova, E., & Homesley, M. (2016). *Food for Thought project: Older adults' interaction with touchscreen*. Internal report. Atlanta, GA: Georgia Institute of Technology.
24. 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.
25. McClellan, A., & Williams, C. (2014). *Visual accessibility analysis of Food for Thought*. Technical Report. North Carolina State University, Raleigh, NC.

## **Organized Symposia and Conferences**

*(Upcoming)*

*(Past)*

1. 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.
2. 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).
3. 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.
4. 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).
5. 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).
6. 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).



7. 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).
8. 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)
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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>
17. 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.
18. 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
19. 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.

20. Sanford, J. A. (chair), Mihailidis, A., & Chalhouni, H. (2018, July). *Community Mobility, Participation and Health*. Workshop presentation at The Rehabilitation Engineering Society of North America (RESNA) Annual Conference. Washington, DC.
21. 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
22. 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.
23. 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.
24. 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
25. 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.
26. 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
27. 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.
28. 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
29. 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.
30. Sanford, J. A., (chair), (2016, July). *Universal Access: Process, Product or Prodigy*. Symposium presentation at Human Computer Interaction International 2016 (HCI 2016). Toronto, Canada.
31. 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.
32. Beer, J. (chair) (2015). *Assistive Technology for the Aging Population*. Symposium presentation at Human Computer Interaction International 2015 (HCI 2015). Los Angeles, CA.
33. Mitzner, T. L. (chair) (2015). *Technology Interventions for Older Adults*. Symposium presentation at Human Computer Interaction International 2015 (HCI 2015). Los Angeles, CA.
34. 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)*

(Past)

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. Khamzina, M., (2022, November). *Conceptualizing Successful Aging in the Presence of Disability*. Presentation at the Gerontological Society of America Annual Scientific Meeting., Indianapolis, IN.
10. 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*. Accepted for presentation at the 13<sup>th</sup> World Conference of Gerontechnology. Daegu, Korea.
11. 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).
12. Rice, L.A., Sosnoff, J.J. (2022, September). *Comprehensive Fall Management Among Individuals who use a Wheelchair Full-time: Across the Continuum*. Accepted for presentation at the 2022 Academy of Spinal Cord Injury Professionals Annual Meeting and Expo, Kansas City, MO.
13. Rice LA & Sosnoff JJ. (2022, September). *Comprehensive Fall Management Among Individuals Who Use a Wheelchair*. Academy of Spinal Cord Injury Professionals. Kansas City, MO,
14. 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.
15. 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.
16. 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).
17. 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).
18. 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)
  19. 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).
  20. Rogers, W. A. (2021, December). *Recent advances in design of robots to support successful aging*. Human Factors and Ergonomics Society Europe Chapter (virtual).
  21. 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).
  22. 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).
  23. 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).
  24. 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).
  25. 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).
  26. 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).
  27. 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).
  28. 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).
  29. 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).
  30. Koon, L.M., Remillard, E.T, & Rogers, W.A. (2021, October). *Exploring Exercise Challenges & Response Strategies among Adults Aging with Long-Term Mobility Disability*. American Public Health Association (APHA) Annual Meeting (virtual).
  31. Sosnoff JJ. (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)
  32. 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.

33. 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.
34. 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.
35. 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.
36. 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.
37. 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).
38. 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. <https://www.edra.org/page/edra52/>
39. 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).
40. 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).
41. 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).
42. 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).
43. Housley, D. (2020, November). *Low Tech Solutions for Seniors with Vision Loss*. National Federation of the Blind of Georgia Convention. Online. Atlanta, GA.
44. 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).
45. 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).
46. 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).
47. 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).
48. 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).
49. 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).
50. 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).
  51. 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.
  52. 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).
  53. 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).
  54. 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).
  55. 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).
  56. 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).
  57. 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).
  58. Harris, M., & Rogers, W.A. (2020, October). *Conceptual Framework for Identifying Technological Gaps to Support Older Adults Aging with a Disability*. Presentation at the International Society for Gerontechnology (ISG) 12<sup>th</sup> World Conference (virtual).
  59. Housley, D. (2020, October). *AT at Mealtimes and Medication Management*. Association of Program for Rural Independent Living (APRIL) Conference. Online. Atlanta, GA.
  60. 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).
  61. 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).
  62. 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)
  63. 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).

64. 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).
65. 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).
66. 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).
67. 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).
68. 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).
69. 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).
70. 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).
71. 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).
72. 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/>
73. 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)
74. C. Phillips. (2020, March). *New Workplace Accommodation Decision Tools*. CSUN Annual Conference. Northridge, CA.
75. 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.
76. 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.
77. 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.
78. 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.

79. 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.
80. Rogers, W. A. (2019, November). *Technology design to support social engagement for older adults*. Gerontological Society of America Annual Meeting, Austin, TX.
81. 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.
82. 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.
83. 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.
84. 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.
85. 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.
86. 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.
87. 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.
88. 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.
89. 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.
90. 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.
91. 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.
92. 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.
93. 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.
94. 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.



95. 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.
96. 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.
97. 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.
98. 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.
99. 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.
100. 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.
101. Phillips, C. (2019, March). *AT strategies and solutions for people with neurodegenerative diseases*. Evergreen Medical. AT Symposium. Seattle, Washington.
102. Phillips, C. (2019, March). *What's new in smart home technologies*. Presentation at AT3 National Leadership Symposium, Washington, DC.
103. 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.
104. 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.
105. 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.
106. 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.
107. 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.
108. Housley, D. (2019, February). *Finding the Fun(ding)*. Assistive Technology Industries Association (ATIA) Annual Conference, Orlando, FL.
109. Phillips, C., Rust, M., & Wilson, R. (2019, February). *Assistive technology solutions lab: Strategies and demonstrations*. Learning Disabilities Association (LDA) Annual Conference, Fort Worth, TX.
110. Persaud, L. & Wright, J. (2019, February). *Increasing AT service delivery through partnerships*. Assistive Technology Industries Association (ATIA) Annual Conference, Orlando, FL.
111. Sanford, J. A. & Jones, B. D. (2018, November). *SmartBathroom*. Presentation at the Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
112. 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.
113. 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.
  114. Rogers, W. A. (2018, October). *Robots to support successful aging: Potential and challenges*. Human Factors and Ergonomics Society – Europe Chapter, Berlin, Germany.
  115. 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.
  116. 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.
  117. Altizer, R., Jacobs, B., & Levy, L. (2018, September). *Gaming for all: accessibility in gaming*. Panel presentation at DragonCon 2018, Atlanta, GA.
  118. Sanford, J. A. (2018, July). *Universal design for sustainable communities*. Healthy Aging Summit, Washington, D.C.
  119. 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.
  120. Erickson, Z. & Kemp, C. C. (July, 2018). *Robot-assisted dressing*. Rehabilitation Engineering Society of North America (RESNA) Annual Conference, Washington, DC.
  121. 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.
  122. 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.
  123. 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.
  124. 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 (NASPPSA), Denver, CO.
  125. 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
  126. 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
  127. 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
  128. 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
  129. 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

130. 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.
131. 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.
132. 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.
133. 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.
134. 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.
135. 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.
136. 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.
137. 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.
138. 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.
139. Bartlet, M., Jacobs, B., Levy, L., & Straub, J. P. (2017). *Gaming for all: Accessibility features in video games*. 2017 DragonCon Panel, Atlanta, Georgia.
140. 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.
141. 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.
142. 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.
143. 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.
144. 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.
145. 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.
146. Liu, Y. E. (2017, July). *Assess user needs for time-related information to design an airport guide system*. Paper presentation at the 19th International Conference on Human Computer Interaction (HCI), Vancouver, Canada.

147. 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.
148. 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.
149. 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.
150. 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.
151. 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.
152. 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.
153. 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.
154. 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.
155. 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.
156. 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.
157. Phillips, C. & Groenendaal, R. (2017, March). *Policy to practice: Assistive technology and aging*. Aging in America Conference - American Society on Aging. Chicago, IL.
158. Phillips, C. & Wilson, R. (2017, January). *National assistive technology & aging and dementia decision tree workshop*. Assistive Technology Industries Association (ATIA) Conference, Orlando, FL.
159. 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.
160. 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.
161. 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.
162. 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.
163. 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.

164. 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.
165. 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.
166. Rogers, W. A. (2016, September). *Psychological research to guide technology design that supports successful aging*. The 14th Psychology and Aging Congress. Bordeaux, France.
167. 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.
168. 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.
169. 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.
170. 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 (HCII 2016), Toronto, Canada.
171. 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 (HCII 2016), Toronto, Canada.
172. 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 (HCII 2016), Toronto, Canada.
173. 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.
174. 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.
175. 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.
176. Wilson, R. (2016, June). *Tools for life and money follows the person*. Aging and Disability Resource Center (ADRC) Conference 2016, Atlanta, GA.
177. 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.
178. 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.
179. 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.

180. 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.
181. 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.
182. Phillips, C. & Rust, M. (2016, April). *“Assistive technology solutions for successful aging.”* Pacific Rim International Conference. Honolulu, Hawaii.
183. 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.
184. Sanford, J. A. & Gonzalez, E. T. (2016, April). *Universal design for aging*. Environments for Aging 2015 Annual Conference, Austin, TX.
185. Jacobs, B., Persaud, L. & Wilson, R. (2016, March). *Tools for life: Exploring assistive technology strategies*. Georgia Alliance for Health Literacy Meeting, Atlanta, GA.
186. 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.
187. Sanford, J. A. (2016, March). *The past, present and future of design and technology for aging in place*. 2016 Builder/Remodeler Expo, Atlanta, GA.
188. Persaud, L. (2016, March). *What's new in assistive technology*. AADD Partners in Policymaking, Atlanta, GA.
189. 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.
190. Phillips, C. (2016, February). *Assistive technology (AT) 102 – Diving below the surface*. International Learning Disabilities Association, Orlando, FL.
191. Persaud, L. (2016, January). *Access and explore! Using environmental control in transition*. Assistive Technology Industries Association (ATIA), Orlando, FL.
192. Phillips, C. (2015, December). *Assistive technology solutions for aging successfully with a disability*. TASH Conference, Portland, OR.
193. 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.
194. 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.
195. 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 68th Annual Meeting, Orlando, FL.
196. Wu, X., Stuck, R. E., Mitzner, T. L., Rogers, W. A., & Beer, J. M. (2015, November). *Needs assessment for telewellness technologies among older adults with mobility impairment*. Gerontological Society of America 68th Annual Meeting, Orlando, FL.
197. 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.

198. 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.
199. 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.
200. Persaud, L. (2015, October). *Tools for life: Exploring assistive technology strategies & solutions*. Berry College, Department of Psychology, Rome, GA.
201. 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.
202. Phillips, C., Persaud, E., & Levy, L.M. (2015, September). *Gaming with disabilities*. 2015 DragonCon Panel, Atlanta, Georgia.
203. Singleton, J. L., Mitzner, T., & Rogers, W. (2015, August). *Healthy aging*. Interactive Workshop presentation to Deaf Seniors of America conference, Asheville, NC.
204. Rogers, W. A. & Mitzner, T.L. (2015, August). *Technologies to support successful aging with disabilities: A framework for design*. American Psychological Association, Toronto, Canada.
205. 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.
206. 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.
207. Phillips, C. & Wilson, R. (2015, June). *Ready to launch: Assistive technology supports for positive transitions*. IDEAS Conference, St. Simons, GA.
208. 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.
209. 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.
210. 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.
211. Sanford, J. (2015, April). *Technologies to support successful aging with disability*. College of Architecture (CoA) Research Forum Series, Georgia Institute of Technology, Atlanta, GA.
212. 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.
213. Phillips, C. (2015, March). *Here's hope: Assistive technology supporting positive mental health*. CSUN International Disability Conference, San Diego, CA.
214. Phillips, C. (2015, February). *AT 102: Back to the basics: Tablets, apps and LD*. Learning Disability Association Conference, Chicago, IL.
215. Phillips, C. (2015, February). *Tracking trends and transferring knowledge*. Integrating UDL and AT to Close the Gap Conference. Griffin, GA.
216. Phillips, C. & Persaud, L. (2015, January). *Assistive technology solutions for successful aging*. ATiA Conference, Orlando, FL.
217. Persaud, L. (2014, December). *Tracking trends in assistive technology*. Visiting Nurse Health System, Long-Term Care Staff and Directors Annual Meeting, Atlanta, GA.
218. Persaud, L. (2014, November). *Technology innovations empowering independence and health: Active research to on the market*. Leading Age Georgia Conference, Atlanta, GA.

219. 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.
220. 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.
221. 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.
222. 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.
223. Persaud, L. & Phillips, C. (2014, September). *Assistive technology solutions for successful aging*. LeadingAge Conference - AT Lab & 3 sessions, Peachtree City, GA.
224. 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.
225. Persaud, L. & Phillips, C. (2014, August). *Assistive technology solutions for successful aging*. DAS Systems Integration Conference - AT Lab & 3 sessions, Peachtree City, GA.
226. Phillips, C. (2014, July). *Discovering personal genius*. Arizona AT & Disability Conference, Phoenix, AZ.
227. Singleton, J. (2014, July). *Healthy aging in the deaf community*. Workshop presentation at the 2016 National Association of the Deaf Conference, Atlanta, GA.
228. 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.
229. 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.
230. Sanford, J.A. & Jones, B. (2014, June). *The smart bathroom: UD through integrating physical and digital worlds*. International Conference on Universal Design, Lund, Sweden.
231. 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.
232. 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. Remillard, E.T., Wilson, R., Mitzner, T. L., & Kibler, M. The New Age of Aging: CIDI Services and Research. Invited Lunch and Learn presentation for the Center of Inclusive Design and Innovation (virtual).
2. Mitzner, T. L. (2022, October). Invited seminar speaker. Design for disability and aging, Accessibility Innovation team at Microsoft, Virtual, 2022.
3. 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.
4. 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.



5. 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.
6. 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.
7. Persaud, L. (2021 November). *Exploring Disability Awareness*. Atlanta Regional Commission. Online. Atlanta, GA.
8. Hughes, T. (2021 November). *Assistive Technology Strategies and Solutions for Sensory*. Cobb Senior Services Virtual Resource Fair. Online. Atlanta, GA.
9. 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.
10. Hughes, T. & Persaud, L. (2021 October). *Tools for Life: Exploring Assistive Technology Strategies and Solutions*. County Public Library System. Online. Atlanta, GA.
11. Kadylak, T. (2021, September). Invited talk at the monthly meeting of the East Central Illinois Area Agency on Aging Meeting.
12. Rogers, W. A. (2021, September). *CHART: Collaborations in Health, Aging, Research, and Technology*. OSF Healthcare Grand Rounds.
13. 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.
14. 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.
15. 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
16. Rogers, W. A. (2021, March). *Designing Technology to Support Healthy Aging*. Regenstrief Institute SAM (Scientists Advancing Medicine) Talk. Indianapolis, IN (virtual).
17. 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 Masters of Science in Health Technology Program, College of Applied Health Sciences, University of Illinois Urbana-Champaign.
18. Rogers, W. A. & Kadylak, T. (2020, November). *Technology innovations*. AARP Oregon Vital Aging Conference (virtual).
19. Sosnoff, J.J. (November 2020). *Next Steps in Fall Injury Prevention*. University of Vermont, M-Sense research group (Virtual).
20. 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.
21. Rogers, W. A. (2020, October). *Designing Technology to Support Healthy Aging*. Carle Illinois College of Medicine Innovation Grand Rounds.
22. Phillips, C.. (2020, September). *How Technology is Fostering Engagement During Coronavirus*. Presentation at the *engAGED Social Isolation Virtual Summit*.
23. Housley, D. & Montes, C. (2020 January). *Exploring Mobile Device Accessibility*. National Federation of the Blind meeting and presentation. Atlanta, GA.
24. Housley, D. (2020 January). *Apps for Navigating Georgia's Capitol Building*. Georgia Vision Coalition. Atlanta, GA.

25. Housley, D. (2020 January). *Accessible Off-Site Meetings: Exploring Zoom and Remote Captioning*. disABILITY LINK Board Meeting. Atlanta, GA.
26. Housley, D. (2020 February). *Exploring AT: Soundscape Demonstration*. Georgia's Older Blind Program. Atlanta, GA.
27. Wilson, R. (2020 February). *TFL & CIDI and Second Wind Dreams - Updates and Collaborations on AT and Dementia*. Atlanta, GA.
28. 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.
29. 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.
30. 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.
31. Holder, T. & Montes, C. (2019, October). *Exploring Assistive Technology Solutions and Resources*. Presentation and AT Demonstration for Shepherd Center staff, Atlanta, GA.
32. Wilson, R. (2019, September). *Tools for Life: Exploring Assistive Technology for Living and Aging Well*. WD International LTC Provider, Atlanta, GA.
33. 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.
34. Rogers, W. A. (2019, June). *Collaborations in health, aging, research, and technology (CHART)*. KTH Royal Institute of Technology, Stockholm, Sweden.
35. Housley, D. (2019, April). *Exploring assistive technology funding options through the lifespan*. Informational Session at Disability LINK, Atlanta, GA.
36. Persaud, L. (2019, June). *Assistive technology strategies and solutions for independent living*. Presentation and Assistive Technology Lab. Georgia Power ADAPPT Technology Showcase. Atlanta, Georgia.
37. Phillips, C. (2019, March). *AT strategies and solutions for people with neurodegenerative diseases*. Evergreen Medical. AT Symposium. Seattle, Washington.
38. Phillips, C. & Rempel, J. (2019, March). *Accessibility & assistive technology solutions and strategies for designers*. Cox Enterprises, Atlanta, GA.
39. 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.
40. 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.
41. Rust, M. (2019, January). *Tools for life: Exploring assistive technology in Georgia*. Georgia Vocational Rehabilitation Agency New Hire Orientation, Atlanta, GA.
42. Rogers, W. A. (2018, October). *The collaborations in health, aging, research, and technology (CHART) program*. Technical University-Berlin, Berlin, Germany.
43. Rogers, W. A. (2018, October). *Robots to support successful aging: Potential and challenges*. Human Factors and Ergonomics Society – Europe Chapter, Berlin, Germany.
44. Remillard, E.T. (2018, November). *Technology to support successful aging*. Invited presentation at National Church Residences Southeast Advisory Board Meeting. Atlanta, GA.
45. Phillips, C. (2018, October). *Employment of people with disabilities and functional needs*. US Securities and Exchange Commission, Washington, DC.
46. 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.
47. 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.
  48. 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.
  49. 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.
  50. 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.
  51. 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.
  52. 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.
  53. Rogers, W. A. (2018, March). *Technology for healthy aging*. Episcopal Retirement Services, Parish Health Ministry's Annual Refresh Your Soul, Cincinnati, OH.
  54. Rogers, W. A. (2018, January). *Collaborations in health, aging, research and technology (CHART) and the LIFE home*. Senior Task Force, Champaign, IL.
  55. 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.
  56. Remillard, E. T., Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2018, January). *RERC TechSAge*. Invited presentation at Anthem Innovation Studio, Atlanta, GA.
  57. Rogers, W. A. (2017, November). *Technology enhancements to support aging-in-place*. HIV & Aging: Mitochondria to the Metropolis. Emory University, Atlanta, GA.
  58. 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.
  59. Gonzalez, E. (2017, February). Invited panelist at the Atlanta Post-Polio Association (APPA) website launch reception, Atlanta, GA.
  60. 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.
  61. 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.
  62. 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.
  63. Beer, J. M. (2015, November). *Can assistive robots transform retirement?* Invited presentation, TEDx Peachtree, Atlanta, GA.
  64. 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.
  65. 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.

66. Rogers, W. A. (2015, October). *Concluding session: Creating tomorrow*. Invited presentation at the 2nd WHO Global Forum on Innovation for Ageing Populations, Kobe, Japan.
67. 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.
68. 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.
69. Phillips, C. (2014, July). *Taking flight*. Keynote, Arizona AT & Disability Conference, Phoenix, AZ.
70. Bowman, S. (2014, April). *Technologies to support successful aging with disability*. Robust and Resilient Aging Course, Osher Lifelong Learning Institute, Emory University, Atlanta, GA.
71. 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) 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 GaitRate App is being released to the Apple AppStore to provide these professionals with a tool to easily measure short-distance gait speed in their practice and compare the results against the published norms. 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 pending) was developed to allow an easy and reproducible measurement of gait speed in clinics and hospital settings, where a permanent installation is possible. While the system can be used to measure short-distance courses of 3 meters to 5 meters, a 4-meter course with acceleration and deceleration zones is recommended to allow comparison against the survival estimates provided in published research. This system is currently protected under a provisional patent. We are currently seeking industry partners interested in this solution or our findings. [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.

- 2018: 3rd 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](#)
  - [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

- 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=NTlpR6oZoO8>
- 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\\_FINAL.pdf](http://www.gatfl.gatech.edu/tflwiki/images/c/c3/TFL_webinar_AT_for_Dementia_October_2014_V3_FINAL.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/>

## Courses

- Jones, B. & Phillips, C. (Fall 2022). Accessibility and Inclusive Design (CS8803-AID). Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. (Spring 2020). ID 3031 Health and Design Studio (undergrad). Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. (Fall 2020). ID 6062 Health and Design Studio (graduate). Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. (Fall 2019). ID 8083 Wearables, Wizards and Wellness. Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. (Spring 2019). Health and Design (ID 3031)- Undergraduate course focused on aging, disability, and Universal Design. Georgia Institute of Technology, Atlanta, GA.
- Sanford, J. (Spring 2019) Health and Design (ID 6062) – Graduate design studio focused on aging, disability, and Universal Design. 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. Using a universal design approach, students learn how to design for social impact and community health through a focus on local farmer's markets as a locus for social engagement, activity and good nutrition.
- Gandy Coleman, M. (2018, Spring & Summer). Principles of Computer Audio (CS4590), Georgia Institute of Technology, Atlanta, GA. Course content on accessible/universal game design, sonification techniques for assistive technology, and situational awareness.
- Sanford, J. A. (Spring, 2018). Health and Design, Graduate Industrial Design Studio, Georgia Institute of Technology.
- Jones, B (advisor; 2018, Spring). Mobile Ubiquitous Computing. Description: 70 students were introduced to aware home projects including Smartbathroom. Students chose projects related to ambient alerting, with 12 projects directly applicable to TechSAge. Georgia Institute of Technology, Atlanta, GA.
- Jones, B. (2017, Fall). Living Labs Seminar (CS8000AHS), Georgia Institute of Technology, Atlanta, GA. Description: Course featured small workshops with seminar attendees in the domains of connected home in support of different needs. Aware Home Tour was a primer for a discussion around supports for individuals aging in place and with disabilities.
- Rogers, W. A. (Fall 2017). Technology, Health, and Aging (CHLH494). University of Illinois Urbana-Champaign

- Sanford, J. A. (Fall 2017). *Universal Design for Sustainable Communities*. Two-day short course on design opportunities to engage older adults in farmers' markets as a part of the Georgia Tech Serve, Learn Sustain (SLS) Buzz Course program. Atlanta, GA.
- 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. (2021 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*. Masters 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, Masters 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 Masters 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

### 2017

March 27-28, 2017: Archived presentations available from: <http://techsage.gatech.edu/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 GVI 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)
  - Malmo 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
- Lokyee 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**

- *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 smarthome 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) [90REGE0012]. 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 FraitLy 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.

### **Students Thesis/Projects Supported by TechSAge**

- Qiong (Tina) Nie, PhD dissertation: “Design Guidelines for Behavioral Feedback Visualizations to Support Health Behavior Change” (2022, November)
- Kenneth Blocker, PhD dissertation: “Developing a Framework to Guide Personalized Support for Older Adults Learning Novel Technologies” (2022, November)
- Maurita Harris, PhD dissertation: “Addressing Gaps in Equity through Wearables” (2022, November)
- Madina Khamzina, PhD dissertation: “Successful Aging in the Presence of Disability” (2022, November)
- Mikaela Frechette, PhD dissertation: “Cognitive-Motor Interaction During Wheelchair Propulsion” (2022, August)
- Libak Abou, PhD dissertation: “Factors Associated with Falls among Wheelchair Users Living with Spinal Cord Injury” (2021, December)
- Ben Thompson, Masters thesis: “Evaluation of Mobile Devices as a Control Method for Augmented Reality” (2021, August)
- Alex Fliflet, Masters thesis: “Insights on an Automated Fall Detection Device Designed for Older Adult Wheelchair and Scooter Users: A Qualitative Study” (2021, May)
- Megan Bayles, Masters thesis: “A Holistic Understanding of Older Adults’ Acceptance of Domestic Robots” (2020, December)
- Mikaela Frechette, Masters thesis: “The validity, reliability, and sensitivity of a smartphone-based seated postural control assessment in wheelchair users” (2020, May)
- Daehyung Park, Ph.D. dissertation: “A Multimodal Execution Monitor for Assistive Robots” (2018, May)
- Ariel Kapusta, Ph.D. dissertation: “Optimization and Simulation for Robotic Assistance with Assistive Tasks” (2018, May)
- Phillip Grice, Ph.D. dissertation: “Assistive mobile manipulation for users with severe motor impairments” (2017, August)
- Rachel Stuck, Masters thesis: “Understanding dimensions of trust between older adults and human or robot care providers” (2017)

### **Internships Supported by TechSAge**

- Chandler Pearsons, TechSAge Communications Intern, Georgia Tech, Summer (Spring 2022 – present)
- 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

- 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

- 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

- 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**

- 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 Husainni, 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 PhD 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 (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)

#### ***External***

- American Society on Aging (2023, January) “Balancing Scientific Inquiry with Empathy,” <https://generations.asaging.org/balancing-scientific-inquiry-empathy>
- 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](https://www.ichicago.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)
- Illinois College of Applied Health Sciences news story “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>
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## Magazine

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- Atlanta Magazine (2016, September). TechSAGE: For using smart design to make our environment more accessible as we age. <http://www.atlantamagazine.com/groundbreakers-2016/techsage/>

- Georgia Tech Research Horizons (2014, Issue 3). Hi, How Can I Help you?: Co-Robots team up with Humans. <http://www.rh.gatech.edu/features/hi-how-can-i-help-you>

## 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>