

CURRICULUM VITAE

**University of Pittsburgh
School of Health and Rehabilitation Sciences**

BIOGRAPHICAL

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EDUCATION and TRAINING

UNDERGRADUATE:

Dates Attended	Name & Location	Degree Received & Year	Major Subject
1993-1995	Northern Arizona University, Flagstaff, AZ	N/A	Mechanical Engineering
1996-1998	UC Berkeley, Berkeley, CA	Bachelors of Science, 1998	Mechanical Engineering

GRADUATE:

Dates Attended	Name & Location	Degree Received & Year	Major Subject
1998-2002	Cornell University, Ithaca, NY	Masters of Science, 2002	Mechanical Engineering
2003-2007	University of Pittsburgh, Pittsburgh, PA	Doctor of Philosophy, 2007	Rehabilitation Science & Technology

APPOINTMENTS and POSITIONS

ACADEMIC:

Years Inclusive	Name & Location of Institution or Organization	Rank(s)/Title(s)
2007-Present	University of Pittsburgh, Dept. of Rehabilitation Science & Technology, Pittsburgh, PA	-Professor (2023 - Present) -Chair (2018 - Present) -Associate Professor (2016-2023) -Assistant Professor (2007-2016)
2008 - 2018	VA Pittsburgh Healthcare Systems. Human Engineering Research Labs, Pittsburgh, PA	-Biomedical Research Scientist (2008-2018) -Associate Director of Engineering (2010- 2015) -Associate Director of Product Innovation & Technology Translation (2015-2018)
2019 - Present	VA Pittsburgh Healthcare System, Pittsburgh, PA	Without Compensation (WOC) employee to support continued VA Research & Development Activities

NON-ACADEMIC:

Years Inclusive	Name & Location of Institution or Organization	Rank/Title
2015-Present	US Food and Drug Administration, Washington, DC	Special Government Employee

CERTIFICATION and LICENSURE

MEDICAL or OTHER PROFESSIONAL LICENSURE

<i>Certifying Board</i>	<i>Title of Certification</i>	<i>Year</i>
<i>Pennsylvania State Registration Board</i>	<i>Engineer in Training (EIT)</i>	<i>2009</i>

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC COMMITTEES

<i>Organization</i>	<i>Years</i>
American Society of Mechanical Engineers	1998-Present
Rehabilitation And Assistive Technology Society of North America	2003-Present
- Chair, RESNA Special Interest Group (SIG) on Assistive Technology For Developing Countries (SIG17)	2007-2009
International Standards Organization, TC 173 Committee Member	2008-Present
- Convener for Working Group 1 (Manual Wheelchairs)	2018-2022
ANSI/RESNA Wheelchair Standards Committee	2008- Present
Veterans Administration, Integrated Product Team member on wheeled mobility	2012-2015
Member USAID Evidenced Based Practice Committee on Wheelchairs	2012-2014
Founding Director, International Society of Wheelchair Professionals	2014-Present
Member, Wheelchair Advisory Group of the International Society of Prosthetics & Orthotics	2017-Present
Member, Steering Committee for Market Shaping in AT Sector. A project sponsored by USAID and led by Boston Consulting Group in collaboration with WHO, UNICEF, DFID.	2018
Member, NIDILRR Service Provision & Workforce Capacity / Policy, Systems, & Funding Panel	2020

HONORS AND AWARDS

Awarded directly to J. Pearlman	Year(s)
ASEE Best Student Design Award	1995
Rory A Cooper/Dion Johnson Award	2005
Best Mentor Award in NSF REU	2012
University of Pittsburgh Innovation Award	2012-2022
Selected as Elite Reviewer by the Archives of Physical Medicine and Rehabilitation. Elite status designation reflects the number, timeliness, and quality of your reviews as judged by the editors and awarded to only 3% of the reviewers of the Journal.	2021
Elected as Senior Fellow, National Academy of Inventors	2023

Awarded to student of J. Pearlman	Year(s)
Sean and Stephanie Shimada Award (Yasmin Garcia)	2010
Sean and Stephanie Shimada Award (Jonathan Duvall)	2012, 2013
RST Thomas J. O'Connor Award (Maria Toro)	2013
Rory A Cooper/Dion Johnson Award (Maria Toro)	2014
RST Todd Hargroder Award (Maria Toro)	2014
University of Pittsburgh's Selfless Spirit Award (Jonathan Duvall)	2014
IGERT Fellowship (Jonathan Duvall)	2014-2017
RESNA Emerging Leader Award (Maria Toro)	2015
RESNA Student Scientific Paper Winner (Maria Toro)	2015
Rory A Cooper/Dion Johnson Award (Jon Duvall)	2015
1st Place, VA Research Week Young Investigator Competition (Anand Mhatre)	2015
IGERT Fellowship (Joe Ott)	2016-2019
CONACYT Fellowship (Yohali Burrola)	2016-2020
Pitt Provost Award (Alex Miles)	2017
Appointed to the Colombian National Council for Disability (Maria Toro)	2017
Winner, <u>Goldman Prize for Entrepreneurship in Education</u> (Mahender Mandala)	2017
Winner, <u>Dick Thornburgh Forum Disability Service Award</u> (Jon Duvall)	2017
Mildred L. Wood SHRS Endowed Student Resource Award* as recognition for outstanding scholastic achievement. (Erin Higgins)	2020
Kaufman Rehabilitation Technology Award (Erin Higgins)	2020
Sean & Stephanie Shimada Award (Holly Wilson-Jene)	2020

PUBLICATIONS

1) Refereed Articles (*= advisee is lead author)

1. Kopperdahl, D.L., **Pearlman, J.**, & Keaveny, T.M. (2000). Biomechanical consequences of an isolated overload on the human vertebral body. *J Orthop Res*, 18(5), 685-690. PMID: 11117287 DOI: 10.1002/jor.1100180502
2. **Pearlman, J.L.**, Roach, S.S., & Valero-Cuevas, F.J. (2004). The fundamental thumb-tip force vectors produced by the muscles of the thumb. *J Orthop Res*, 22(2), 306-312. PMID: 15013089 DOI: 10.1016/j.orthres.2003.08.001
3. **Pearlman, J.L.**, Cooper, R.A., Karnawat, J., Cooper, R., & Boninger, M.L. (2005). Evaluation of the safety and durability of low-cost non programmable electric powered wheelchairs. *Arch Phys Med Rehabil*, 86(12), 2361-2370. PMID: 16344036 DOI: 10.1016/j.apmr.2005.07.294
4. Wolf, E., **Pearlman, J.**, Cooper, R.A., Fitzgerald, S.G., Kelleher, A., Collins, D.M., & Cooper, R. (2005). Vibration exposure of individuals using wheelchairs over sidewalk surfaces. *Disabil Rehabil*, 27(23), 1443-1449. PMID: 16418059 DOI: 10.1080/09638280500264709
5. **Pearlman, J.**, Cooper, R.A., Zipfel, E., Cooper, R., & McCartney, M. (2006). Towards the development of an effective technology transfer model of wheelchairs to developing countries. *Disabil Rehabil Assist Technol*, 1(1-2), 103-110. PMID: 19256173 DOI: 10.1080/09638280500167563
6. Wolf, E., Cooper, R.A., **Pearlman, J.**, Fitzgerald, S.G., & Kelleher, A. (2007). Longitudinal assessment of vibrations during manual and power wheelchair driving over select sidewalk surfaces. *J Rehabil Res Dev*, 44(4), 573-580. PMID: 18247254 DOI: 10.1682/jrrd.2006.05.0049
7. Zipfel, E., Cooper, R.A., **Pearlman, J.**, Cooper, R., & McCartney, M. (2007). New design and development of a manual wheelchair for India. *Disabil Rehabil*, 29(11-12), 949-962. PMID: 17577729 DOI: 10.1080/09638280701240672
8. Authier, E.L., **Pearlman, J.**, Allegretti, A.L., Rice, I., & Cooper, R.A. (2007). A sports wheelchair for low-income countries. *Disabil Rehabil*, 29(11-12), 963-967. PMID: 17577730 DOI: 10.1080/09638280701240714
9. Liu, H.Y., Cooper, R.A., **Pearlman, J.**, Cooper, R., & Connor, S. (2008). Evaluation of titanium ultralight manual wheelchairs using ANSI/ RESNA standards. *J Rehabil Res Dev*, 45(9), 1251-1267. PMID: 19319751
10. **Pearlman, J.**, Cooper, R., Chhabra, H.S., & Jefferds, A. (2009). Design, development and testing of a low-cost electric powered wheelchair for India. *Disabil Rehabil Assist Technol*, 4(1), 42-57. PMID: 19172480 DOI: 10.1080/17483100802338440

11. Liu, H.Y., **Pearlman, J.**, Cooper, R., Hong, E.K., Wang, H., Salatin, B., & Cooper, R.A. (2010). Evaluation of aluminum ultralight rigid wheelchairs versus other ultralight wheelchairs using ANSI/RESNA standards. *J Rehabil Res Dev*, 47(5), 441-455. PMID: 20803388 DOI: 10.1682/jrrd.2009.08.0137
12. Wang, H., Liu, H.Y., **Pearlman, J.**, Cooper, R., Jefferds, A., Connor, S., & Cooper, R.A. (2010). Relationship between wheelchair durability and wheelchair type and years of test. *Disabil Rehabil Assist Technol*, 5(5), 318-322. PMID: 20131972 DOI: 10.3109/17483100903391137
13. *Jefferds, A.N., Beyene, N.M., Upadhyay, N., Shoker, P., **Pearlman, J.**, Cooper, R. A., & Wee, J. (2010). Current state of mobility technology provision in less-resourced countries. *Phys Med Rehabil Clin N Am*, 21(1), 221-242. PMID: 19951788 DOI: 10.1016/j.pmr.2009.07.011
14. *Mason, Z.D., **Pearlman, J.**, Cooper, R.A., & Laferrier, J.Z. (2011). Comparison of prosthetic feet prescribed to active individuals using ISO standards. *Prosthet Orthot Int*, 35(4), 418-424. PMID: 22031596 DOI: 10.1177/0309364611421692
15. Hong, E., **Pearlman, J.**, Salatin, B., Wang, H., Liu, H., Cooper, R.A., & Hargroder, T.(2011). Design and Development of a lightweight durable adjustable composite backrest mounting. *Assistive Technology*, 23(1), 24-35. DOI: 10.1080/10400435.2010.541405
16. *Jefferds, A.N., **Pearlman, J.L.**, Wee, J., & Cooper, R.A. (2011). International mobility technology research: a Delphi study to identify challenges and compensatory strategies. *Assist Technol*, 23(4), 232-242. PMID: 22256672 DOI: 10.1080/10400435.2011.614677
17. Laferrier, J.Z., Rice, I., **Pearlman, J.**, Spornier, M., Cooper, R.M., Liu, H., & Cooper, R.A. (2012) Technology to Improve Sports Performance in Wheelchair Sports, *Sports Technology*, pp. 4-19, Vol. 5, No. 1-2. DOI: 10.1080/19346182.2012.663531
18. *Toro, M.L., Garcia, Y., Ojeda, A.M., Dausey, D.J., & **Pearlman, J.** (2012). Quantitative Exploratory Evaluation of the Frequency, Causes and Consequences of Rehabilitation Wheelchair Breakdowns Delivered at a Paediatric Clinic in Mexico, *Disability, CBR & Inclusive Development*, pp. 48-64, Vol. 23, No. 3. PMID: 19203675
19. Wollstein, R., Rodgers, J., Ogden, T., Loeffler, J., & **Pearlman, J.** (2012). A Novel Splint for Proximal Interphalangeal Joint Contractures: A Case Report. *Arch Phys Med Rehabil*. PMID: 22484101 DOI: 10.1016/j.apmr.2012.03.028
20. Beyene, N.M., Steinfeld, A., **Pearlman, J.**, & Cooper, R.A. (2012). Exploration of health perceptions and assistive technology use by driving status as related to transportation independence in New Delhi, India. *Disabil Rehabil Assist Technol*, 7(4), 314-322. PMID: 22324852 DOI: 10.3109/17483107.2011.635328
21. *Garcia-Mendez, Y., **Pearlman, J.L.**, Cooper, R.A., & Boninger, M.L. (2012). Dynamic stiffness and transmissibility of commercially available wheelchair cushions using a laboratory test method. *J Rehabil Res Dev*, 49(1), 7-22. PMID: 22492334 DOI: 10.1682/jrrd.2011.02.0023

22. *Gebrosky, B.T., **Pearlman, J.L.**, Cooper, R.A., Cooper, R., & Kelleher, A.K. (2013). Evaluation of Lightweight Wheelchairs using ANSI/RESNA Testing Standards. *JRRD* PMID: 24699973 DOI: 10.1682/JRRD.2012.08.0155
23. *Goldberg, M.R., & **Pearlman, J.L.** (2013). Best Practices for Team-Based Assistive Technology Design Courses. *Ann Biomed Eng.* PMID: 23536114 DOI: 10.1007/s10439.013.0798.2
24. *Garcia Mendez, Y., **Pearlman, J.L.**, Boninger, M.L., & Cooper, R.A. (2013) Health Risks of Vibration Exposure to Wheelchair Users in the Community. *J Spinal Cord Med.* PMID: 23820152 DOI: 10.1179/2045772313Y.0000000124
25. Souza A., **Pearlman, J. L.**, Cooper, R.M., Kelleher, A.R., Gebrosky, B., & Cooper, R.A. (2013) Evaluation of Scooters Using ANSI/RESNA Testing Standards, *Journal of Rehabilitation Research and Development.* pp. 1017-1034, Vol. 50, No.7. PMID: 24301438 DOI: 10.1682/JRRD.2011.03.0054
26. **Pearlman, J.**, Cooper, R., Duvall, J., & Livingston, R. (2013) Pedestrian Pathway Characteristics and Their Implications on Wheelchair Users, *Assistive Technology: The Official Journal of RESNA.* PMID: 24620706 DOI:10.1080/10400435.2013.778915
27. *Duvall, J., Cooper, R.A., Sinagra, E., Stuckey, D., Brown, J., **Pearlman, J.**, (2013) Development of Surface Roughness Standards for Pathways Used by Wheelchairs, *Transportation Research Record*, no. 2387, pp. 149-156. DOI/10.3141/2387.17
28. Goldberg, M.R., Karimi, H.A., **Pearlman, J.L.** (2014) Interactive, mobile, AGile and novel education (IMAGINE): a conceptual framework to support students with mobility challenges in higher education. *Disability and Rehabilitation: Assistive Technology.* PMID: 25212492 DOI: 10.3109/17483107.2014.959074
29. Hong, E.K., Dicianno, B.E., **Pearlman, J.L.**, Cooper, R., & Cooper R.A. (2014) Comfort and stability of wheelchair backrests according to the TAWC (tool for assessing wheelchair discomfort). *Disability and Rehabilitation: Assistive Technology.* July, 2014. PMID: 25036985 DOI: 10.3109/17483107.2014.938365
30. Karimi, H.A, Dias, M.B., **Pearlman, J.L.**, Zimmerman, G.J. (2014) Wayfinding and Navigation for People with Disabilities Using Social Navigation Networks, *European Alliance for Innovation/IEEE ColabroateCOM* special Issue on Wayfinding. DOI:10.4108/cc.1.2.e5
31. *Mandala, M., Goldberg, M., & **Pearlman, J.** (2014) Combining Veterans And Teachers in A Unique Service Learning Experience, *International Journal For Service Learning in Engineering. Special Edition*, pp. 381-405, Fall 2014. DOI:10.24908/IJSLE.V0I0.5559
32. Hong, E.K., Cooper, R.A., **Pearlman, J.L.**, Dicianno, B., & Cooper, R. (2015) Comfort and stability of wheelchair backrests according to the TAWC (tool for assessing wheelchair discomfort). *Disability and Rehabilitation: Assistive Technology.* July, 2015. PMID: 25036985 DOI: 10.3109/17483107.2014.938365
33. *Mhatre, A., Duvall, J., Ding, D., Cooper, R.A., & **Pearlman J.** (2016) Development of a bed-integrated weight measurement system for people with disabilities. *Disability and Rehabilitation: Assistive Technology.* PMID: 26852778 DOI: 10.1080/10400435.2016.1140690

34. *Toro, M., Eke, C., & **Pearlman, J.** (2016) The impact of the World Health Organization 8-steps in wheelchair service provision in wheelchair users in a less resourced setting: a cohort study in Indonesia. *BMC Health Services Research*. PMID: 26801984 DOI: 10.1186/s12913.016.1268.y
35. Wu, Y.K., Liu, H. Y., Kelleher, A., **Pearlman, J.**, & Cooper, R.A. (2016) Evaluating the usability of a smartphone virtual seating coach application for powered wheelchair users, *Medical Engineering & Physics*, 2016. PMID: 27079179 DOI: 10.1016/j.medengphy.2016.03.001
36. Nickel, E., Hansen, A., **Pearlman, J.**, & Goldish, G. (2016) A Drive System to add Standing Mobility to a Manual Standing Wheelchair, *Assistive Technology: The Official Journal of RESNA*. PMID: 27184610 DOI: 10.1080/10400435.2016.1165757
37. Wu, Y., Liu, H., Kelleher, A., **Pearlman, J.**, Ding, D., & Cooper, R. (2016) Power seat function usage and wheelchair discomfort for power wheelchair users, *The Journal of Spinal Cord Medicine*, Volume 40, Issue 1, February 2017, Pages 62-69. PMID: 27366954 DOI: 10.1080/10790268.2016.1192360
38. *Duval, J., Sinagra, E., Cooper, R., & **Pearlman, J.** (2016) Proposed pedestrian pathway roughness thresholds to ensure safety and comfort for wheelchair users, *Assistive Technology: The Official Journal of RESNA*. PMID: 27588607 DOI: 10.1080/10400435.2016.1150364
39. *Toro, M., Worobey, L., Boninger, M., Cooper, R., & **Pearlman, J.** (2016) Type and Frequency of Reported Wheelchair Repairs and Related Adverse Consequences Among People With Spinal Cord Injury, *Archives of Physical Medicine and Rehabilitation*, Volume 97, Issue 10, October 2016, Pages 1753–1760. PMID: 27153763 DOI: 10.1016/j.apmr.2016.03.032
40. *Duvall, J.A., **Pearlman, J.L.**, & Karimi, H.A. (2016) Development of Route Accessibility Index to Support Wayfinding for People with Disabilities. In: Leon-Garcia A. et al. (eds) *Smart City 360°*. SmartCity 360 2016. Lecture Notes of the Institute for Computer Sciences, *Social Informatics and Telecommunications Engineering*, vol 166. Springer, Cham. DOI: 10.1007/978.3.319.33681.7.9
41. Hoffmann, M., Burke, J., **Pearlman, J.**, Fiedler, G., Hess, A., Schull J., Hudson, S.E., & Mankoff J., (2016) Clinical & Maker Perspectives on the Design of Assistive Technology with Rapid Prototyping Technologies, *ASSETS '16 Proceedings of the 18th International ACM SIGACCESS Conference on Computers and Accessibility*, pp. 251-256. DOI: 10.1145/2982142.2982181
42. *Toro, M., Bird, E., Oyster, M., Worobey, L., Lain, M., Bucior, S., Cooper, R., & **Pearlman, J.** (2017) Development of a Wheelchair Maintenance Training Programme and Questionnaire for Clinicians and Wheelchair Users, *Disability & Rehabilitation: Assistive Technology*, Published online 27th, January, 2017. PMID: 28129705 DOI: 10.1080/17483107.2016.1277792
43. Karmaraj, D., Bray, N., Rispin, K., Kankipati, P., & **Pearlman, J.**, (2017) A Conceptual Framework to Assess Effectiveness in Wheelchair Provision. *African journal of disability*, 6(1), 1-5. PMID: 28936421 DOI: 10.4102/ajod.v6i0.355

44. Ruston, P., Fung, K., Gartz, R., Goldberg, M., Toro, M., Seymour, N., & **Pearlman, J.**, (2017) Global Wheelchair Service Provision Education in Academia. *African journal of disability*, 6(1), 1-8. PMID: 28936415 DOI: 10.4102/ajod.v6i0.340
45. *Munera, S., Goldberg, M., Kandavel, K., & **Pearlman, J.**, (2017), Development and evaluation of a wheelchair service provision training of trainers programme. *African journal of disability*, 6(1), pp.1-13. PMID: 28936423 DOI: 10.4102/ajod.v6i0.360
46. *Mhatre, A., Martin, D., McCambridge, M., Reese, N., Sullivan, M., Schoendorfer, D., Wunderlich, E., Rushman, C., Mahilo, D., & **Pearlman, J.**, (2017) Developing product quality standards for wheelchairs used in less-resourced environments. *African journal of disability*, 6(1), 1-15. PMID: 28936410 DOI: 10.4102/ajod.v6i0.288
47. Kelleher, A., Dicianno, B., Eckstein, S., Schein, R., & **Pearlman, J.**, Cooper, R. (2017) Consumer Feedback to Steer the Future of Assistive Technology Research and Development: A Pilot Study. *Topics in Spinal Cord Injury Rehabilitation*, 23(2). PMID: 29339885 DOI: 10.1310/sci2302-89
48. **Pearlman, J.**, & Cooper, R. (2017) Introduction to the Special Issue on Wheelchairs in Less Resourced Settings, *African Journal of Disability*. *Journal of Disability*, 6, 0.
49. Gartz, R., Goldberg, M., Miles, A., Cooper, R., **Pearlman, J.**, Schmeler, M., Jonassen Bittman, S., & Hale, J. (2017) Development of a contextually appropriate, reliable and valid basic Wheelchair Service Provision Test. *Disability and Rehabilitation: Assistive Technology*, 12(4), pp.333-340. DOI: 10.3109/17483107.2016.1166527
50. *Mhatre, A., Ott, J., & **Pearlman, J.** (2017) Development of wheelchair caster testing equipment and preliminary testing of caster models. *African journal of disability*, 6(1), 1-16. PMID: 29062762 DOI: 10.4102/ajod.v6i0.358
51. *Mandala, M., Goldberg, M., Schunn, C., Dow, S., & **earlman, J.** (2018) Uncovering the Practices, Challenges, and Incentives for Engineering Design Faculty, *International Journal of Engineering Education*, 34-4.
52. Gebrosky, B., **Pearlman, J.**, & Cooper, R. (2018) Comparison of High-Strength Aluminum Ultralight Wheelchairs Using ANSI/RESNA Testing Standards. *Topics in Spinal Cord Injury Rehabilitation: January 2018, Vol. 24, No. 1, pp. 63-77*. PMID: 29434462 DOI: 10.1310/sci16-00057
53. *Mandala, M., Goldberg, M., Schunn, C., Dow, S., & **Pearlman, J.** (2018) Impact of Collaborative Team Peer Review on the Quality of Feedback in Engineering Design Projects, *International Journal of Engineering Education*, 34-4.
54. *Burrola-Mendez, Y., Goldberg, M., Gartz, R., & **Pearlman, J.** (2018) Development of a Hybrid Course on Wheelchair Service Provision for clinicians in international contexts. *PLoS ONE* 13(6): e0199251. PMID 29906794 DOI: 10.1371/journal.pone.0199251

55. *Burrola-Mendez, Y., Toro-Hernandez, M., Goldberg, M., & **Pearlman, J.** (2018) Implementation of the hybrid course on basic wheelchair service provision for Colombian wheelchair service providers. *PLoS ONE*. DOI: 10.1371/journal.pone.0204769
56. Gowran, R., Goldberg, M., Comanescu, G., Ungureanu, C., Garcia, F.D.S., Xavier, C.A., & **Pearlman, J.** (2018) Developing country-specific wheelchair service provision strategic plans for Romania and the Philippines, *Disability and Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2018.1539131
57. Goldberg, M., **Pearlman, J.**, Rushton, P., & Cooper, R.A. (2018) The International Society of Wheelchair Professionals (ISWP): A resource aiming to improve wheelchair services worldwide. *British Journal of Occupational Therapy* 81 (12), 671-672. DOI: 10.1177/0308022618793056
58. *Duvall, J., Karg, P., Brienza, D., & **Pearlman, J.** (2019) Detection and classification methodology for movements in the bed that supports continuous pressure injury risk assessment and repositioning compliance, *Journal of Tissue Viability*, 2019. DOI: 10.1016/j.jtv.2018.12.001
59. *Mhatre, A., Lachell, S., & **Pearlman, J.** (2019) Development, reliability, and piloting of a wheelchair caster failure inspection tool (C-FIT), *Disability and Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2018.1554714
60. *Múnera, S., **Pearlman, J.**, Toro, M., Worobey, L., Boninger, M., & Cooper, R. (2019) Development and efficacy of an online wheelchair maintenance training program for wheelchair personnel, *Assistive Technology*. DOI: 10.1080/10400435.2019.1619632
61. *Burrola-Mendez, Y., Bonilla-Escobar, F.J., Goldberg, M., & **Pearlman, J.** (2019). Comparing the effectiveness of a hybrid and in-person courses of wheelchair service provision knowledge: A controlled quasi-experimental study in India and Mexico. *PloS one*, 14(5), e0217872-e0217872. DOI:10.1371/journal.pone.0217872
62. Fung, K., Miller, T., Rushton, P.W., Goldberg, M., Toro, M.L., Seymour, N., & **Pearlman, J.** (2019). Integration of wheelchair service provision education: current situation, facilitators and barriers for academic rehabilitation programs worldwide. *Disability and rehabilitation. Assistive technology*, 1-10.
63. Gowran, R.J., Goldberg, M., Comanescu, G., Ungureanu, C., Garcia, F.D.S., Xavier, C.A., & **Pearlman, J.** (2019). Developing country-specific wheelchair service provision strategic plans for Romania and the Philippines. *Disability and Rehabilitation: Assistive Technology*, 14(6), 612-627. PMID: 30822183 DOI: 10.1080/17483107.2018.1539131
64. **Pearlman, J.** (2019). Commentary on Disability and Rehabilitation" Influences on selection of assistive technology for young children in South Africa: perspectives from rehabilitation professionals"(by Karin van Niekerk, Shakila Dada & Kerstin Tönsing). *Disability and rehabilitation. Assistive technology*, 1. DOI: 10.1080/17483107.2019.1648572

65. Dicianno, B., Joseph, J., Eckstein, S., Zigler, C., Schmeler, M., Schein, R, **Pearlman, J.**, & Cooper, R., (2019). The future of the provision process for mobility assistive technology: a survey of providers, *Disability and Rehabilitation: Assistive Technology*. PMID: 29557196 DOI: 10.1080/17483107.2018.1448470
66. Allen, M., Gowran, R.J., Goldberg, M., & **Pearlman, J.** (2019). Wheelchair Stakeholders Meeting 2018–Developing a Global Wheelchair Sector Report with Priority Actions Toward Sustainable Wheelchair Provision: Appropriate Wheelchairs, a Global Challenge. *Technology and Disability*, 31(Supplement 1), S24-S25.
67. *Mhatre, A., Reese, N., & **Pearlman, J.** (2020). Design and evaluation of a laboratory-based wheelchair castor testing protocol using community data. *PLoS one*, 15(1), e0226621. DOI:10.1371/journal.pone.0226621
68. Rushton, P.W., Fung, K., Gauthier, M., Goldberg, M., Toro, M., Seymore, N., & **Pearlman, J.** (2020) Development of a toolkit for educators of the wheelchair service provision process: the Seating and Mobility Academic Resource Toolkit (SMART). *Hum Resour Health* 18, 14. DOI: 10.1186/s12960-020-0453-6
69. *Ott, J., Wilson-Jene, H., Koontz, A., & **Pearlman, J.** (2020) Evaluation of rolling resistance in manual wheelchair wheels and casters using drum-based testing, *Disability and Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2020.1815088
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60. Toro, M.L., Garcia-Mendez, Y., Dausey, D.J., & **Pearlman, J.** (2013). Comparison of a Manual Wheelchair Designed and Produced in Mexico to a Wheelchair Produced in China Based on ISO Testing and Clinician and User Feedback. *Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America Conference, Seattle, WA, June 20-24, 2013.*

61. Sinagra, E., Duvall, J., Brown, J., Stuckey, D., **Pearlman, J.**, & Cooper, R.A. (2013). Development of a Sidewalk Roughness Measurement Tool. *Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America Conference*, Seattle, WA, June 20-24, 2013.
62. Telson, J., **Pearlman, J.**, Cooper, R.A., Ding, D. (2013). An Initial Design Review of an Overhead Kitchen Robot Appliance: The Kitchenbot. *Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America Conference*, Seattle, WA, June 20-24, 2013.
63. Medina, H., Tull, R.G., **Pearlman, J.**, Goldberg, M.R. (2013). QoLT Engineering Education Outreach Facilitates Systems Analysis Study for Wheelchair Use in Mexico. *Global Student Forum/World Engineering Education Forum*, Cartagena, Colombia, September 21-27, 2013.
64. Mhatre, A. (2014). Development of a business model canvas for E-Scale technology. *Presented at the 1st Gear Enterprise Creation Team Development Program by Pitt Innovation Institute*, University of Pittsburgh. 2014.
65. Duvall, J., Sinagra, E., Stuckey, D., Cooper, R., & **Pearlman, J.** (2014). Proposed Surface Roughness Standard for Pathways Used by Wheelchairs poster. *Presented at the Transportation Research Board annual meeting 2014*.
66. Sinagra, E., Duvall, J., Cooper, R., Stuckey, D., Kortum, A., & **Pearlman, J.** (2014). Development and Characterization of Pathway Measurement Tool (PathMeT) poster. *Presented at the Transportation Research Board annual meeting 2014*.
67. Toro, M., **Pearlman, J.**, Oyster, M., & Boninger, M.L.(2014). Type and Frequency of Reported Wheelchair Repairs and Adverse Consequences Among People with Spinal Cord Injury. *Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America Conference*, June 11-15, 2014.
68. Mandala, M., Goldberg, M., **Pearlman, J.**, & Cooper, R.A. (2014). Research Experience for Veterans and Teachers: Motivation, Program Description, Outcomes and Expectations for the Future. *ASME IDETC/CIE*, Buffalo NY, August 17-20, 2014.
69. Duvall, J., **Pearlman, J.**, & Sinagra, E. (2014). Development of Sidewalk Roughness Standards and Pathway Measurement Tool poster. *Presented at the Pro Walk/Pro Bike/Pro Place Conference Pittsburgh*, September 8-11, 2014.
70. Toro, M., Burrola, Y., **Pearlman, J.**, Goldberg, M., & Augustine, N. (2015). Profesionalizan do los servicios de sillas de ruedas en el mundo: Sociedad Internacional de Profesionales de Sillas de Ruedas. I Jornada Internacional de Actualizacion, evidencias y accesibilidad en sillas de ruedas. *Universidad Rey Juan Carlos*, Madrid, España, 2015.
71. Duvall, J., Sinagra, E., Cooper, R., & **Pearlman, J.** (2015). Characterizing Roughness of Pedestrian Pathways Using Vibration Data and Support Vector Machine Analysis poster. *Presented at the Transportation Research Board annual meeting 2015*.

72. **Pearlman, J.**, & Duvall, J. (2015). New methods to measure and design ADA compliant curb ramps and sidewalks. *Presented at Research and Education in Transportation Engineering forum at the University of Pittsburgh 2015*
73. **Pearlman, J.**, Duvall, J., & Mhatre, A. (2015). Design and Commercialization of a Throwing Chair. *Presented at the SHRS Travelling Circus Program at the Human Engineering Research Laboratories. 2015.*
74. Mhatre, A., Duvall, J., & **Pearlman, J.** (2015). Development of E-Scale for Veterans and People with Disabilities. *Poster presented at the 2015 VA Research Week Young Investigator Poster Contest, VA Pittsburgh Healthcare System 2015.*
75. Mhatre, A., Duvall, J., & **Pearlman, J.** (2015). Development of E-Scale for People with Disabilities. *Poster presented at the 11th Annual Rehabilitation Institute Research Day, University of Pittsburgh. 2015.*
76. **Pearlman, J.**, Cooper, R., Goldberg, M., & Schmeler, M. (2015). Professionalizing Wheelchair Service Worldwide: USAID's New Project. *International Seating Symposium, Nashville, TN, February 26-28, 2015.*
77. Altschuler, D., Schmeler, M., & **Pearlman, J.** (2015). Optional Equipment and Opening the Door to Liability. *International Seating Symposium, Nashville, TN, February 26-28, 2015.*
78. Worobey, L.A., Toro, M.L., Oyster, M.L., **Pearlman, J.**, & Boninger, M.L. (2015). The Current State of Wheelchair Testing, Repairs, Consequences, and Maintenance. *International Seating Symposium, Nashville, TN, February 26-28, 2015.*
79. Toro, M.L., **Pearlman, J.**, Pedersen, J., & Shea, M. (2015). Basic Wheelchair Maintenance Training for Manual and Power Wheelchair Users. *International Seating Symposium, Nashville, TN, February 26-28, 2015.*
80. Nickel, E., Hansen, A., **Pearlman, J.**, & Goldish, G. (2015). A Drive system to add standing mobility to a manual standing wheelchair. *Rehabilitation Engineering and Assistive Technology Society of North America Conference, Denver, CO, June 10-14, 2015.*
81. Toro, M.L., & **Pearlman, J.** (2015). Development of a manual wheelchair and power wheelchair maintenance program. *Rehabilitation Engineering and Assistive Technology Society of North America Conference, Denver, CO, June 10-14, 2015.*
82. **Pearlman, J.**, & Goldberg, M. (2015). USAID Funded Activities in the Wheelchair Sector. *International Society for Prosthetics and Orthotics World Congress 2015 (ISPO), Lyon, France, June 22-25, 2015.*
83. Cooper, R., **Pearlman, J.**, & Goldberg, M. (2015). Global Challenges in Assistive Technology-2. *AAATE and GATE Meeting, Budapest, Hungary, September 9-12, 2015.*

84. **Pearlman, J.**, & Allen, M. (2015). Indonesian Ministry of Health, Jakarta, Indonesia, October 24-26, 2015.
85. **Pearlman, J.**, Allen, M., & Ohnabe, H. (2015). ASEM Disability Cooperation Event, Beijing, China, October 29-30, 2015.
86. Kesselring, J.A., Fiedler, G. & **Pearlman, J.** (2016). Prosthetist's Assessment of Additive Manufacturing as an Alternative to conventional manufacturing techniques in P&O. *Proceedings of the 42nd Annual AAOP Meeting and Scientific Symposium*, Orlando, FL, 2016.
87. Goldberg, M., **Pearlman, J.**, Gartz, R., Miles, A., & Schmeler, M. (2016). How to Develop a Contextually Appropriate, Reliable, and Valid Wheelchair Service Provision Assessment. *32nd International Seating Symposium (ISS)*, Vancouver, Canada, March 1-4, 2016.
88. **Pearlman, J.**, & Goldberg, M. (2016). World Health Assembly. *DAR Partners Meeting*, New York, NY, May 24, 2016.
89. **Pearlman, J.** (2016). UCP/CITE. *Google Project Meeting*, Pittsburgh, PA, June 1, 2016.
90. Horvath, R., King, K., Eitel, S., & **Pearlman, J.** (2016). Group presentation on global health and rehabilitation. *State of the Science Symposium*, Bethesda, MD, June 3, 2016.
91. Cooper, R., **Pearlman, J.**, & Goldberg, M. (2016). Mentorship for the Wheelchair Service Professionals. *European Seating Symposium*, Dublin, Ireland, June 12-15, 2016.
92. **Pearlman, J.**, Goldberg, M., Burrola, Y., Kandavel, K., & Munera, S. (2016). Hybrid course workshop. *RESNA/NCART*, Washington, DC, July 10-14, 2016.
93. **Pearlman, J.** (2016). First ALATA meeting during Argentinian/Latin American ISPO Congress. *Argentinian/Latin American (ALATA)*, Buenos Aires, Argentina, August 10-12, 2016.
94. **Pearlman, J. (2016)**. 90 minute session on Wheelchair and Seating. *FATO (African Federation of Orthopaedic Technicians)*, Lome, Togo, August 22-26, 2016.
95. **Pearlman, J.** (2016). International Activities in the Wheelchair Sector. *ISO Meeting*, Sao Paulo, Brazil, September 10-15, 2016.
96. **Pearlman, J.** (2016). ISWP Work Overview. *TechCon 2016*, Boston, MA, November 10-12, 2016.
97. **Pearlman, J.** (2017). Strengthening the Global Wheelchair Sector through Evidence-Based Practice. *University of Pittsburgh Doctoral Seminar*, Pittsburgh, PA, February 1, 2017.
98. Goldberg, M., **Pearlman, J.**, Seymour, N., Rushton, P., Feng, K., Toro, M., & Gatz, R. (2017). Wheelchair Service Provision: Education in Academia. *WHO Invitation to Rehabilitation 2030: A call for Action*, Geneva, Switzerland, February 6-7, 2017.

99. **Pearlman, J.** (2017). Wheelchair Products and Service Standards. *WHO's GATE Initiative*, Yogyakarta, Indonesia, February 21-23, 2017.
100. **Pearlman, J.** (2017). Strengthening the Global Wheelchair Sector. *ISPRM*, Buenos Aires, Argentina, April 30 - May 4, 2017.
101. **Pearlman, J.** (2017). ISWP overview. *ISPO World Congress*, Cape Town, South Africa, May 8-11, 2017.
102. **Pearlman, J.**, Allen, M., & Miles, A. (2017). Policy Adoption. *ISPO World Congress*, Cape Town, South Africa, May 8-11, 2017.
103. **Pearlman, J.**, & Miles, A. (2017). Wheelchair Service Professional Credential. *ISPO World Congress*, Cape Town, South Africa, May 8-11, 2017.
104. Munera, S., Schmeler, M., Toro, M., & **Pearlman, J.** (2017). Professionalizing the Global Wheelchair Sector, First Cycle of Mobility and Sedestation. *Colombian Seating Symposium*, Medellin, Colombia, June 21-23, 2017.
105. Karimi, H., & **Pearlman, J.** (2017). Personalized Accessible Wayfinding and Navigation Services for Wheelchair Users. *HCI International 2017 Conference*, Vancouver, Canada, July 10-14, 2017.
106. **Pearlman, J.**, & Goldberg, M. (2017). The Global Research, Innovation, and Education in Assistive Technology (*GREAT*) Summit, Geneva, Switzerland, August 3-4, 2017.
107. Seymour, N., Rushton, P., **Pearlman, J.**, & Shann, S. (2017). "The Situation of Wheelchair Service Provision Education for Rehabilitation Professionals Globally." *Occupational Therapy Africa Regional Group (OTARG Congress)*, Accra, Ghana, September 10-13, 2017.
108. **Pearlman, J.** (2017). ISWP overview. *PAHO Research for Rehabilitation 2030*, Sao Paulo, Brazil, November 9-10, 2017.
109. **Pearlman, J.** (2017). Stakeholders' Workshop. *Stakeholders' Meeting in conjunction with UCP/Wheels for Humanity*, Kiev, Ukraine, November 13-17, 2017.
110. **Pearlman, J.**, & Goldberg, M. (2018). ISWP Overview. *USAID Strategic Planning Meeting*, Bangalore, India, January 15-18, 2018.
111. **Pearlman, J.**, & Goldberg, M. (2018). Wheelchair International Network (WIN). *USAID Strategic Planning Meeting*, Bangalore, India, January 15-18, 2018.
112. Goldberg, M., Miles, A., **Pearlman, J.** (2018). Mentoring for Competency and Skills Development in Wheelchair Service. *34th International Seating Symposium (ISS)*, Vancouver, Canada, March 7-9, 2018.

113. Goldberg, M., Burrola, Y., & **Pearlman, J.** (2018). Development and Implementation of a Hybrid Wheelchair Workshop for Clinicians in International Setting: A Pilot Study. *34th International Seating Symposium (ISS)*, Vancouver, Canada, March 7-9, 2018.
114. Garcia, Y., Reyes, K., **Pearlman, J.**, & Praptoraharjo, I. (2018). Wheelchair User's Voice Project - Pilot of Comparative Evaluation for UCP Wheels for Humanity. *34th International Seating Symposium (ISS)*, Vancouver, Canada, March 7-9, 2018.
115. Brienza, D., Hammond, D., & **Pearlman, J.** (2018). New Technology and Strategies for Pressure Injury Prevention. *34th International Seating Symposium (ISS)*, Vancouver, Canada, March 7-9, 2018.
116. Goldberg, M., Gowran, R., **Pearlman, J.**, Xavier, C., Garcia, F., Comanescu, C., & Ungureanu, C. (2018). A Global Perspective on Wheelchair Provision. *34th International Seating Symposium (ISS)*, Vancouver, Canada, March 7-9, 2018.
117. **Pearlman, J.**, & Mhatre, A. (2018). Caster Testing Standards. *19th ISO Technical Committee 173*, Nairobi, Kenya, May 5-10, 2018.
118. **Pearlman, J.** (2018). ISWP Overview: Change the Game. *OTWorld 2018 International Trade Show and World Congress*, Leipzig, Germany, May 15-18, 2018.
119. Rushton, P., Seymour, N., Goldberg, M., **Pearlman, J.**, Toro, M., Eitel, S., Burrola, Y., Kirby, L., Crane, B., Shann, S., & Fung, K. (2018). The International Society of Wheelchair Professionals Wheelchair Education Tool Kit: Overview and Application. *WFOT 2018 World Congress*, Cape Town, South Africa, May 21-25, 2018.
120. **Pearlman, J.**, Goldberg, M., & Kandavel, K. (2018). Workshop: How to make the wheelchair sector a WIN for all. *European Seating Symposium (ESS)*, Dublin, Ireland, June 13-15, 2018.
121. Rushton, P., Goldberg, M., & **Pearlman, J.** (2018). International Society of Wheelchair Professionals (ISWP) and application of a wheelchair education tool kit for university curricula. *European Seating Symposium (ESS)*, Dublin, Ireland, June 13-15, 2018.
122. **Pearlman, J.**, & Gowran, R., et al. (2018). Paper presentation: International Society of Wheelchair Professionals (ISWP) affiliate pilots. *European Seating Symposium (ESS)*, Dublin, Ireland, June 13-15, 2018.
123. Rushton, P., Fung, K., Miller, T., Goldberg, M., Seymour, N., & **Pearlman, J.** (2018). The International Society of Wheelchair Professionals, Wheelchair Service Provision Education in Health Care Professional University Programs. *Canadian Association of Occupational Therapists*, Vancouver, Canada, June 20-23, 2018.
124. **Pearlman, J.**, & Mhatre, A. (2018). Reproducing Field Failures with Wheelchair Casters in the Laboratory. *Applied Reliability and Durability Conference (ARDC)*, Portland, OR, June 26-28, 2018.

125. Augustine, N., **Pearlman, J.**, Kankipati, P., Schein, R., & Rispin, K. (2018). Late/Emerging Research: Development of a Minimum Uniform Dataset (MUD) for International Wheelchair Service and Provision. *RESNA*, Arlington, VA, July 11-15, 2018.
126. **Pearlman, J.**, & Kirby, L. (2018). Workshop on Wheelchair Skills and Maintenance. *12th International Society of Physical and Rehabilitation Medicine World Congress 2018 (ISPRM)*, Paris, France, July 8-12, 2018.
127. Mhatre, A., **Pearlman, J.**, Rosen, P., & Toro, M. (2019). Models to Improve AT Quality, Production and Procurement applied to Wheelchairs. *Global Report in Assistive Technology (GReAT) Consultation 2019*.
128. Ott, J., **Pearlman, J.**, Marcus, M., & Lee, L. (2019). Development and Results of Wheel Rolling Resistance Testing. *35th International Seating Symposium (ISS)*, Pittsburgh, PA, March 20-22, 2019.
129. Brienza, D., Karg, P., Mhatre, A., Ott, J., **Pearlman, J.**, Pramana, G., & Schmeler, M. (2019). Use of performance standards in wheelchair selection. *35th International Seating Symposium (ISS)*, Pittsburgh, PA, March 20-22, 2019.
130. **Pearlman, J.**, Zorrilla, M., & Augustine, N. (2019). *VentureWell Open*, Washington, DC, March 28-30, 2019.
131. **Pearlman, J.**, & Zorrilla, M. (2019). The Initiative to Mobilize Partnerships for successful Assistive teChnology Transfer (IMPACT), poster. *NARRTC*, Arlington, VA, April 23-24, 2019.
132. **Pearlman, J.**, Miles, A., Burrola, Y., & Augustine, N. (2019). ISWP Training Tools Workshop. *RehabWeek*, Toronto, Canada, June 24-28, 2019.
133. **Pearlman, J.**, Mhatre, A., Ott, J., & Mendel, Marcus. (2019). ISWP Testing Standards Paper and Poster Presentations. *RehabWeek*, Toronto, Canada, June 24-28, 2019.
134. **Pearlman, J.**, Zorrilla, M., Augustine, A., & Goldberg, M. (2019). An Interactive Symposium on the Barriers Associated with Assistive Technology Transfer. *RehabWeek/RESNA*, Toronto, Canada, June 24-28, 2019.
135. Ott, J., Marcus, M., Lee, L., & **Pearlman, J.** (2019). Preliminary results of wheel rolling resistance using a drum-based testing machine. *RehabWeek/RESNA*, Toronto, Canada, June 24-28, 2019.
136. Mhatre, M., & **Pearlman, J.** (2019). Comparing lab-based and community wheelchair caster failures. *RehabWeek/RESNA*, Toronto, Canada, June 24-28, 2019.
137. **Pearlman, J.**, Toro, M., Mhatre, A., & Gowran, R. (2019). University of Limerick, Global challenges to access appropriate wheelchairs, product testing, ISWP overview, and wheelchair sector stakeholders' meeting. *WHO GReAT Consultation*, Geneva, Switzerland, August 22-23, 2019.

138. **Pearlman, J.**, Goldberg, M., & Wunderlich, E. (2019). Improving the Lives of Wheelchair Users Worldwide. *UN Civil Society Conference*, Salt Lake City, UT, August 26-29, 2019.
139. **Pearlman, J.** (2019). Improving Global Wheelchair Product Quality. *AAATE 2019*, Bologna, Italy, August 27-30, 2019.
140. **Pearlman, J.**, & Mhatre, A. (2019). Caster Testing Durability Standard. *ISO Technical Committee 173 Working Group*, Tokyo, Japan, September 8-13, 2019.
141. **Pearlman, J.**, & Goldberg, M. (2019). ISPO Strategic Planning Meeting, Open Board Meetings, Seating and Mobility Academic Resource Toolkit (SMART) Development. *ISPO World Congress*, Kobe, Japan, October 5-8, 2019.
142. Goldberg, M., Rushton, P., & **Pearlman, J.** (2019). Enhancing Education of Wheelchair Service Providers: An Overview of Current Initiatives. *Oceania Seating Symposium*, Melbourne, Australia, November 12-14, 2019.
143. **Pearlman, J.**, Goldberg, M., Zorrilla, M., Augustine, N., & Higgins, E. (2020). Improving Assistive Technology Tech Transfer Through Research and Development Projects. *ATiA 2020*, Orlando, FL, January 30 - February 1, 2020.
144. Ott, J., Wilson-Jene, H., Henderson, T., Marcus, M., & **Pearlman, J.** (2020). Impact of Toe In/Out Due to Rolling Resistance Losses in Manual Wheelchair Propulsion. *36th International Seating Symposium (ISS)*, Vancouver, Canada, March 3-6, 2020.
145. Fried, J., Kasmer, A., Kuminoski, A., Larson, J., **Pearlman, J.**, Schmidt, D., & Mhatre, A. (2020). Evaluating durability of bushings and bearings for wheelchair use in adverse environments. *Proceedings of the RESNA International Conference on Technology and Disability*, Arlington, VA, June 2020.
146. Wilson-Jene, H., Ott, J., & **Pearlman, J.** (2020). Observed toe and slop in manual wheelchairs and its effect on rolling resistance. *Proceedings of the RESNA International Conference on Technology and Disability*, Arlington, VA, June 2020.
147. **Pearlman, J.**, D’Innocenzo, M., Garcia-Mendez, Y., Rosen, P., & Rodriguez, V. (2020). Wheelchair User’s Voice: Evaluation of Appropriate Wheelchair Provision in El Salvador. *GAATO/RESNA*, Virtual, August 29, 2020.
148. **Pearlman, J.**, & Goldberg, M. (2020). Strategies for Increasing the Success of Assistive Technology Tech Transfer. *RESNA Conference*, Virtual, September 23, 2020.
149. **Pearlman, J.**, Goldberg, M., Zorrilla, M., & Augustine, N. (2021). The Initiative to Mobilize Partnerships for Successful Assistive teChnology Transfer (IMPACT), and event co-sponsor. *VentureWell Open*, Virtual, March 17-19, 2021.
150. **Pearlman, J.**, Kolbert, F., Goldberg, M., Cowan, R., Toro-Hernandez, M., Shae, K. (2021) A Global Collaboration to Develop Wheelchair Service Standards. *RESNA Conference*, Virtual, July

7-10, 2021.

151. **Pearlman, J.** (2021). ISWP's Worldwide Impact. *Mobility Worldwide Conference*, Colombia, MO, September 20-22, 2021.
152. **Pearlman, J.**, & Goldberg, M. (2021). An Interactive Symposium on the Barriers Associated with Assistive Technology Transfer. *RESNA Conference*, Virtual, September 23-24, 2021.
153. **Pearlman, J.**, et al. (2021). Second Global Consultation for the WHO-UNICEF. *Global Report on Assistive Technology (GReAT)*, Virtual, October 27-28, 2021
154. **Pearlman, J.**, Fried, J., Mhatre, A., & Krider, B. (2022). Value of Community Data in Design, Selection of Casters. *International Seating Symposium*, Virtual, January 31-February 2, 2022.
155. **Pearlman, J.**, & Goldberg, M. (2022). Lessons Learned from the Development of the International Society of Wheelchair Professionals. *International Seating Symposium*, Virtual, January 31-February 2, 2022.
156. Polanco, A., Goldberg, M., Toro-Hernandez, M., **Pearlman, J.** (2022). Wheelchair Service Provision Capacity Building in the Dominican Republic. *International Seating Symposium*, Virtual, January 31-February 2, 2022.
157. **Pearlman, J.**, Múnera, S., Masselink, C., Turnbull, L., Smith, E., Correia, F., Schmeler, M., Betz, K., & Hibbs, R. (2022). Global Perspectives on Wheelchair Policy. *International Seating Symposium*, Virtual, January 31-February 2, 2022.
158. Zorrilla, M., **Pearlman, J.**, Goldberg, M., Augustine, N., & Faieta, J. (2022). Advancing Assistive Technology and Other Innovations Through Training and an Engaging Community of Practice. *VentureWell OPEN*, Virtual, March 14-17, 2022.
159. Burrola-Mendez, Y., Kamalakannan, S., Rushton, P., Bouziane, S.A., Giesbrecht, E., Kirby, R.L., Gowran, R.J., Rusaw, D.F., Tasiemski, T., Goldberg, M., Tofani, M., Pedersen, J.P., & **Pearlman J.** (2022). Enseignement de la prestation de services de fauteuils roulants pour les étudiants, les cliniciens et les enseignants à travers les contextes: une revue de la portée (Wheelchair service provision education for healthcare professional students, healthcare personnel and educators across low- to high- resourced settings: A scoping review). *Virtual Symposium: Oral presentation. 89e Congrès de l'ACFAS*, Québec, Canada; May 13, 2022.
160. Rushton, P., Burrola-Mendez, Y., Gowran, R., Wilson, D., Goldberg, M., & **Pearlman, J.** (2022). Development of a Wheelchair Educator's Package. *Oceanic Seating Symposium*, Virtual, 2022..
161. Goldberg, M., **Pearlman, J.**, Fernandez, B., Harker, A., Cravero, K., Rusaw, D., & Allen, M. (2022). Moving persistent challenges into the 'mainstream' of global health agenda setting. *CUGH Conference*, Virtual, 2022.

162. Murphy, K., Goldberg, M., **Pearlman, J.**, Farkas, M., & Harniss, M. (2022). KT Centers Update. *NARRTC*, Arlington, VA, 2022.
163. Goldberg, M., **Pearlman, J.**, Augustine, N., & Kandavel, K. (2022). The International Society of Wheelchair Professionals: Achievements and Challenges. *World Federation of Occupational Therapy*, Paris 2022.

4) Other Publications

Popular Media

1. Karmarker A., **Pearlman J.**, & Zipfel E. India: Making Mobility Real, PN, pp. 12-16, Vol. 60, No. 8, August 2006
2. **Pearlman J.** Pitt and India join forces to build wheelchair, *The Pitt News*, pp. 2, Vol. 101, Issue 125, March 17, 2011
3. **Pearlman, J.** Interviewed on Perils For Pedestrian (www.pedestrians.org), Episode 177 (min 14:35), [Link](#)
4. **Pearlman J.** Walsh Wants Ramps Solved “Yesterday”, *The Boston Courant*, pp. 9-14, Vol. XIX, No. 33, May 23-29, 2014
5. **Pearlman J.** A Path to Success, University of Pittsburgh Innovation Institute, pp. 14-15, 2014 Annual Report
6. **Pearlman J.** Pitt Heads Group to Professionalize Wheelchair Service, *University Times*, Vol. 47, Issue 23, July 23, 2015
7. **Pearlman, J.** These Scientists Are Building Fitness Trackers that Work With People with Disabilities. *FastCompany CoExist*, March 2016. [Link](#)
8. **Pearlman, J.** Pittsburgh researchers develop scale to help people with mobility issues. *Pittsburgh Post Gazette*, May 11th, 2016. [Link](#)
9. **Pearlman, J., & Duvall, J.** (2016) Safety and Comfort for Wheelchair Users, highlighting the E17 standard on sidewalk roughness standard. In *ASTM 2016 Annual Report*, pp. 15
10. **Duvall, J.** (related to E-Scale Project) Adam Savage’s Maker Tour: Human Engineering Research Labs. *Adam Savage’s TESTED*, April 10th, 2017. [Link](#)
11. **Pearlman, J.** Highlights of E-Scale and other AT design project, *NewMobility*, May 2nd, 2017 [Link](#)
12. **Pearlman, J.**, Brienza, D., & Karg, T. Overview of standards RERC, *HME News*, November 2017, [Link](#)
13. **Sinagra, E.** (related to pathVu) *Geekwire* highlight, 2018 [Link](#)
14. **Pearlman, J.** *University Times*, Related to Conflict of Interest Policy Changes, 2018 [Link](#)
15. **Pearlman, J.** (Related to ISWP), United Nations Department of Economic and Social Affairs, 2021 [Link](#)
16. **Pearlman, J.** *The Pulse Podcast (NPR)*, Interview topics covering wheelchair costs and maintenance concerns. Will air Summer, 2022.
17. **Pearlman, J.** *Pittsburgh Post Gazette Health Section* on Pitt’s new Healthy Home Lab. September 12th, 2022 [Link](#)
18. **Pearlman, J.** *Home Healthcare News*, How A University Is Using a 105-Year-Old Home to Solve Aging-In-Place Challenges, September 27th, 2022 [Link](#)

PROFESSIONAL ACTIVITIES

TEACHING:

Courses Taught:

1) Course – HRS 1706/2706/2102(4.0 credits): Rehab Engineering 1

Type of Students – Graduate (SHRS, Bio-E) & undergraduate (Rehab Science)

Number of lectures – 14

Contact Hours – 45

Role: Lead the technical and engineering portions of the course, including design feedback.

Fall Term	2011	2012	2013	2014	2015	2016	2017	2021
# of Students	7	15	9	13	9	10	15	14

2) Course – HRS 1718/2718/2207 (3.0 credits): Rehab Engineering 2

Type of Students – Graduate (SHRS, Bio-E) & undergraduate (Rehab Science)

Number of lectures – 14

Contact Hours – 45

Role: Lead the technical and engineering portions of the course, including design feedback.

Spring Term	2012	2013	2014	2015	2016	2017	2018	2021	2022
# of Students	7	15	9	13	9	9	14	10	12

3) Course - HRS 3003 (2.0 credits): Core Concepts in Disability & Rehabilitation

Type of Students – PhD Students in SHRS

Number of lectures – 7

Contact Hours – 21

Fall Term	2017	2018
# of Students	8	7

4) Course - HRS 3005 (2.0 credits): Core Concepts in Disability & Rehabilitation

Type of Students – PhD Students in SHRS

Number of lectures – 7

Contact Hours – 21

Spring Term	2017	2018
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# of Students	8	7
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5) Course- HRS 2709 (2.0 credits): Wheelchair Design

Type of Students – Graduate (SHRS, Bio-E) & undergraduate (Rehab Science)

Number of lectures – 14

Contact Hours – 20

Spring Term	2012
# of Students	3

OTHER TEACHING ACTIVITY:

Service on Committees

Master’s Committees (* indicates JP was/is committee chair)

1. Brad Dicianno, MD (Committee Member; MS, Bioengineering, U-Pitt), 2008
 - Hired as Associate Medical Director, Human Engineering Research Laboratories
2. Eun-kyong Hong (Committee Member; MS Rehab Science & Technology, U-Pitt), 2009
 - Enrolled in PhD Program at U-Pitt
3. *Alexandra Jefferds (Committee Chair, Rehab Science & Technology, U-Pitt), MS, 2009
 - Hired as Rehab Engineer at Washington, DC Health Clinic in 2012
4. Ben Salatin (Committee Member, Rehab Science & Technology, U-Pitt), MS, 2011
 - Hired as Rehab Engineer at the Richmond VAMC in 2011
5. *Yasmin Garcia (Committee Chair, Rehab Science & Technology, U-Pitt), MS, 2012
 - Hired as Medical Faculty at Universidad Autonoma Del Estado De Mexico in 2012
 - Hired as Rehab Engineer at Children’s Rehabilitation Institute of TeletonUSA in 2015
 - Hired as Research Project Manager, UCP Wheels for Humanity, 2017
6. Nadwa Onwi (Committee Member, Rehab Science & Technology, U-Pitt), MS 2013
7. Josh Telson (Committee Member, Rehab Science & Technology, U-Pitt), MS 2013
 - Hired as design engineer at 4-Moms
8. *Jonathan Duvall (Committee Chair, Rehab Science & Technology, U-Pitt), MS 2013
 - *Current Phd Student*
9. *Eric Sinagra (Committee Chair, Rehab Science & Technology, U-Pitt), MS 2014
 - Started www.pathvu.com
10. *Sara Munera (Committee Chair, Rehab Science & Technology, U-Pitt), MS 2017
 - Technical advisor for ISWP, lead of [Whee](#) - Education for Inclusion
10. *Stephanie Vasquez (Committee Chair, Rehab Science, U-Pitt), MS 2019
11. *Erin Higgins (Committee Chair, Rehab Science, U-Pitt), MS 2021
12. Jack Fried (Committee Member, Rehab Science, U-Pitt), MS 2022

PhD Committees (* indicates JP was/is committee chair)

1. HsinYi Liu (Committee Member; MS, Rehab Science & Technology, U-Pitt), PhD, 2012

- Enrolled in PhD Program at U-Pitt
- 2. Hong-wu Wang (Committee Member, Rehab Science & Technology, U-Pitt), PhD, 2012
 - Faculty, University of South Florida
- 3. *Maria Toro (Committee Chair, Rehab Science & Technology, U-Pitt), PhD Completed 2016
 - Faculty at Universidad CES: www.ces.edu.co (through 2020)
 - Technical Advisor, Momentum Wheels for Humanity
- 4. *Mahender Mandala (Committee Chair, Rehab Science & Technology, U-Pitt), PhD Completed 2016
 - Faculty in BioEngineering Department, University of Pittsburgh (through 2018)
 - Faculty in Engineering Department, Georgia Tech (through 2020)
 - Director of Clinical Research, Apollo Neuro
- 5. *Jonathan Duvall (Committee Chair, Rehab Science & Technology, U-Pitt), PhD 2018
 - Post-Doctoral Student, Human Engineering Research Labs
- 6. *Anand Mhatre (Committee Chair, Rehab Science & Technology, U-Pitt), PhD 2018
 - Faculty in RST, University of Pittsburgh (through July 2022)
 - Tenure Stream Faculty in OT Department, The Ohio State University (Starting August, 2022)
- 7. *Joe Ott (Committee Chair, Rehab Science & Technology, U-Pitt), Phd 2020
 - Research Engineer, Luci.com
- 8. Yohali Burrola (Committee Member, Rehab Science & Technology, U-Pitt), PhD 2020
- 9. *Holly Wilson-Jene (Committee Chair, Rehab Science & Technology, U-Pitt), PhD expected 2024

Supervision of Postdoctoral Trainees

1. Padmaja Kankipati (2012 - 2014)
 - a. World Health Organization Consultant
2. Anand Mhatre (2018 - 2019)
 - a. Tenure-stream faculty, Ohio State University
3. Michelle Zorilla (2018 - 2019)
 - a. Research Scientist, RST Department, University of Pittsburgh (through present)

Supervision of Undergraduates

1. Jaideep Karnawat (IIT-Kanpur) Summer 2004. Testing of low-cost power wheelchairs.
2. Neil Stegal (CMU) Summer 2005. Design of a low-cost power wheelchair for India.
3. Amy McNeal (Pitt) Summer 2006. Mechanical testing of low-carbon steel.
4. Mary Wu (Johns Hopkins) Summer 2007. Development of a cable steering system.
5. Pitt Bio-E Student Team (2008/2009) Development of a upper extremity prosthesis.
6. Pitt Bio-E Student Team (2008/2009) Development of an advanced caster system.
7. Viviana Valenzuela De La Vega (Auburn Univ.) Summer 2009. Backrest scan evaluation.
8. Miriam Zisook (RISD) Summer 2009. Development of a novel finger splint.
9. Jonathan Duvall (Pitt), Summer 2010. Development of an active anti-tip system for wheelchairs.
10. Phil Perilstein (Bucknell), Summer 2010. FDA evaluation of wheelchair failures.
11. Robin Bratcher (UMBC), Summer 2010. Wheelchair Design project
12. Dan Hefley (Pitt, with Ashli Molinero), Summer 2010. Social perceptions of disability on twitter.
13. Diana Stuckey (Pitt) Spring-Fall 2012. Development of pathway roughness standard
14. Ian McIntyre (Pitt) 2012-2014. Development of Pathway Measurement Tool
 - o Co-founder of Pathway Accessibility Solutions, Inc.
15. Tianyang Chen (Pitt) 2012-2014. Development of Pathway Measurement Tool
 - o Co-founder of Pathway Accessibility Solutions, Inc.
16. Logan Cooper (CalPoly) Summer 2012. Development of manual wheelchair active anti-tip.

17. Samuel Bucior (Pitt), Summer 2013. Wheelchair shop project with Teleton Mexico.
18. Karl Olsheski (Pitt) Summer 2013. Development of low-cost bed scale.
19. Chika Eke (University of Portland), Summer 2014. Impact of wheelchair provision in Indonesia.
 - o Graduate Student at MIT Media Lab
20. Monique Tillis (Southern University and A & M) Summer 2014. Development of bedscales App.
21. Zack Merrill (Pitt), Summer 2014. Wheelchair design
22. Jeff Deeley (Pitt) Fall 2014, Summer 2015. Development of Pathlock, Development of bedscales
23. Sam Waters (Pitt) Spring-Summer 2015. Development of curb-ramp measurement device.
24. Daniel Ferris (Pitt) Spring 2015. Development of low-cost bed scale.
25. Katee Coleman (Pitt) Summer 2015. Development of multi-user E-Scale app.
26. Madhur Maholtra (Pitt) Summer 2015. Interface design for PeerAGE and E-Scale
27. Olivia Pascazi (Pitt) Summer 2015. Advocacy projects for ISWP
28. Abhir Yavalkar (Pitt) Summer 2015. Business and Marketing projects for ISWP
29. Ernest Liu (NYU) Summer 2015. Development of a Hybrid Version of the WHO Training Materials
30. Marisa Bellemare (Robert Morris) Summer 2015. Survey of disaster relief methods to support wheelchair users.
31. Erin Higgins (Pitt) 2016-2017 Support ISWP Website Design
32. London Lee (Pitt) 2017-2018 Support wheelchair testing activities
33. Marcus Menachem (Pitt) 2017-2018 Support rolling resistance project
34. Sam Waters (Pitt) 2017-2018, Support curbside & bedscales projects
35. Stephanie Lachell (Pitt) 2017-2018. Support wheelchair testing activities
36. Pavitra Velan (Pitt) 2018. Support Curbside testing system
37. Jake Meadows (Pitt) 2018-2019. Support for Curbside, bedscales, and wheelchair maintenance projects.
38. Xiang Zhang (Pitt) Summer 2019. Database development for IMPACT.
39. Bryn Manion (Pitt) Summer 2019. Business and marketing projects for IMPACT.
40. Timothy Kelly (Pitt) Summer 2020. Business and marketing projects for IMPACT.
41. Sofia Main (Pitt) 2021. Support for Rolling Resistance Calculator
42. Kaila Gyorgy (Pitt) 2022. Independent Studies Advisor
43. Mark Magee (Pitt) Summer 2022. Business and marketing projects for IMPACT.

RESEARCH:

Current Grant Support: (*transferred PI role to post-doc Dr. Anand Mhatre to support career development)

Grant Number	Grant Title	Role (Effort)	Years Inclusive	Amount
UNOPS/CFP-2023	Formation of the International Society of Wheelchair Professionals	Co-I	2023	204,000
UNOPS/CFP-2021/010	Formation of the International Society of Wheelchair Professionals	PI	2021-2023	617,876

NIH R03AG069836-01	Development of a Wheelchair Maintenance Alert Application for Elderly Wheelchair Users	Co-I*	2021-2022	75,877
Paralyzed Veterans of America Research Foundation	Development and evaluation of a Internet of Things sensor unit for monitoring wheelchair usage.	Co-I	2021-2022	149,953
USISTEF	Co-design, evaluation and technology transfer of an adjustable, affordable and transportable paediatric postural support wheelchair for India	Co-I	2021-2023	173,240
VA-SAHAT-21-06	Development and evaluation of a flexible rail system to anchor interchangeable home modification technologies	Co-I	2021-2023	200,000
University Research Co.,LLC/USAID AID-OAA-A-17-00002	Development of a Resource Center for Evidence-based Standards in the Global Wheelchair Sector	PI (20%)	2018-2022	1,759,003
NIDILRR: 90REGE0001	Rehabilitation Engineering Research Center on Improving Health and Function Through Use of Performance Standards in Wheelchair Selection	Co-PI (20%)	2017-2023	4,900,000
NIDRR DRRP: 9oDPKT0002	Initiative to Mobilize Partnerships for successful Assistive Technology Transfer (IMPACT)	PI (20%)	2018-2023	4,625,000
Co-I Total				599,070
PI/Co-PI Total				11,901,879
Grand Total				12,500,949

Prior Grant Support:

Grant #	Grant Title	Role (Effort)	Years Inclusive	Source \$ Amount
NIH SBIR: HD058376 01A1	Development of a Single Motor Propelled Wheelchair.	PI (20%)	2008-2010	102,799

VA Career Development Award: B6673-M	Salary support to develop & test vibration data-logging device	PI & Mentee (80%)	2009-2011	135,000
VACPPF	Development of a vibration datalogger system	PI (40%)	2009-2011	50,000
NIDILRR DRRP Subcontract: H133A090020	Technology Access in Resource-Limited Environments	PI (10%)	2009-2011	80,000
NIH SBIR Subcontract: HD060335 01A1	Development of an anti-bias caster system to help improve outdoor mobility of wheelchair users.	PI (20%)	2010-2011	109,541
NCIIA Course and Program Grant (TIPeD)	Program to increase engagement of grad & undergrad engineering & business students to innovate AT.	PI (5%)	2010-2013	25,950
Access Board	Development of pedestrian pathway roughness standards for safe wheelchair use in public spaces.	PI (40%)	2010-2013	300,000
NIH SBIR Subcontract	Evaluation of a novel drive-train system for hand-cycles.	PI (10%)	2010-2011	40,000
NIH SBIR Subcontract: HD060335	Development of a lightweight & adjustable backrest to improve the comfort and function for manual wheelchair users.	Co-I (20%)	2010-2012	963,380
NIH SBIR Subcontract: HD058376	Development of a single motor propelled wheelchair.	PI (40%)	2011-2013	412,947
Benter Foundation	Development and implementation of a wheelchair services program in Mexico.	PI (20%)	2011	42,000
Benter Foundation	Comparative evaluation of activity and participation of wheelchair users in Mexico.	PI (20%)	2011-2012	40,000
NIH R03: EB014245	Development of a single motor propelled wheelchair for India.	PI (40%)	2012-2014	215,888
ICPI Research Foundation	Development of a pathway measurement tool for pathway surface roughness.	PI (10%)	2012-2013	70,000
NIH SBIR Subcontract: HD056705	Development of a caster biasing system for manual wheelchairs.	PI (40%)	2012-2014	393,624

Pitt Innovation in Education Award	Course development for undergraduates to participate in AT design projects.	PI (5%)	2012-2013	25,000
NSF RET: EEC1161880	Experiential learning of teachers in assistive technology product innovation.	PI (10%)	2012-2015	583,653
Benter Foundation	Launch of a Wheelchair Service Provision Service in Mexico.	PI (10%)	2012-2014	52,000
American Wheelchair Mission	Secondary Analysis of Patient Data from Teleton Network	PI (5%)	2013	5,000
NSF: EEC1161880	Immersion of Veterans in the NSF Research Experience for Teachers program	PI (5%)	2013-2015	71,653
NCHIA E-Teams: 10948-13	Commercialization of the Pathway Measurement Tool	PI (10%)	2013-2015	25,000
USAID SPANS subgrant	Design, oversight and data analysis of a longitudinal controlled outcomes study of service provision in Indonesia.	PI (10%)	2013-2014	45,000
NSF ATE: 1406757	Advanced Manufacturing Training for People with Disabilities	Co-PI (5%)	2014-2018	899,863
USAID/JSI: APC-GM-0068	Research & Development associated with the International Society of Wheelchair Professionals	PI (40%)	2014-2018	2,498,282
PVA Research Foundation	Evaluation of a wayfinding app for wheelchair users	Co-PI (10%)	2014-2017	150,000
NIDILRR SBIR Subcontract: 90BI0002	Support development of wayfinding app for wheelchair users	PI (10%)	2014-2016	100,000
Innovation Works TCC Grant	Integration of wifi and cloud-based database into bed-scale device.	PI (5%)	2015	25,000
VA CPPF	Development of the HealthHUB integrating a bed-scale and activity monitor.	PI (5%)	2015	25,000
NSF: DUE 1547954	Customer interviews for PeerAGE, an online peer-assessment tool.	Co-PI (5%)	2015	50,000
NSF I-Corps: IIP 1619990	Customer interviews to determine the commercial potential of E-Scale.	PI (20%)	2016	50,000
PVA Education Foundation: 804	Development of the Wheelchair Service Professional Credential	Co-PI (5%)	2016-2017	50,000

VA: 244-16-C-0350	Clinical Limits of Use in Wheeled Mobility	PI (20%)	2016-2017	89,498
NIH: 5UL1TR001857	Evaluation of the E-Scale to determine if it can monitor motion.	PI (10%)	2017	25,000
ACL: 90DP0025-01	Collaboration on Mobility Training	Co-PI (20%)	2012-2018	360,848
PVA Research Foundation: 3101	Pilot study to develop and test the E-Scale with wheelchair users.	PI (25%)	2016-2018	149,503
USAID: SPANS - 037	Support for ISWP Research, Training and Development Initiatives	PI (20%)	2017-2018	349,808
USAID/JSI: APC-GM-0068	Support for ISWP Research, Training and Development Initiatives	PI (20%)	2018	567,165
NIDRR DRRP: H113A120004	Multi-site randomized clinical trial evaluating the impact of wheelchair skills and maintenance training on the quality of life of wheelchair users.	Co-PI (20%)	2012-2019	2,500,000
NIDILRR DRRP: H133A130025	Self-Management Assistance through Technology - Virtual Coaches for Wheelchair Users	Co-I (5%)	2013-2019	2,372,456
PennDOT: 4400011482 WO 015	Development of a curb-ramp design and inspection tool.	PI (10%)	2017-2019	175,000
Paralyzed Veterans of America Foundation	Development of a Skills Assessment for Wheelchair Service Provision	Co-I (5%)	2018-2019	50,000
UCP/Google	International Wheelchair Outcomes	PI (10%)	2017-2019	100,779
NSF Research Experience for Teachers: 1609566	Mentor STEM high school teachers on engineering design and guide the development of novel curricular modules for their schools.	Co-PI (5%)	2016-2020	599,931
Co-I Total				\$3,385,836
PI/Co-PI Total				11,590,7321
Grand Total				14,976,568

2) Seminars, Webinars, and Invited Lectureships

Event: Launch of the Global Business Institute at Pitt's Katz School of Business, September 5, 2014.

Title of Talk: Transformative Experiences through Global Service Learning

Event: Symposium of Medical Bioengineering, hosted by Universidad Autonoma del Estado de Mexico. August 21, 2014. Title of Talk: Professionalization of Wheelchair Services Worldwide.

Event: Stakeholder Meeting about the Wheelchair Sector with the Indonesian Ministry of Health, Jakarta, Indonesia. Role: Speaker about global product and service standards for wheelchairs. October 24-26, 2015.

Event: 3rd Annual Oakland Transportation Fair. Role: one of three panelists discussing transportation issues focused on accessibility. September 2015

Event: State of the Science on Global Rehabilitation, Walter Reed Medical Center. Role: One of the invited speakers to highlight the International Society of Wheelchair Professionals. June 2016

Event: State of the Science on Global Rehabilitation, Walter Reed Medical Center. Role: One of the invited speakers to highlight the International Society of Wheelchair Professionals. June 2016

Event: Weapons Removal and Abatement Roundtable Discussion, US Department of State. Role: One of the representatives from a victims assistance stakeholder group (ISWP) providing information about wheelchair-related programs. July 2016

Event: Colombian Seating Symposium. Role: Led part of WHO Stakeholder meetings related to building wheelchair capacity in Colombia. May 2017

Event: US Access Board Webinar Series. Role: Lead presenter of sidewalk roughness research. August 2017

Event: Ukrainian Stakeholder meeting of NATO, WHO, USAID, and Ukrainian Ministry of Social Welfare and Disabled People's Organizations. Role: Speaker on Standards related to Wheelchair Provision. November 2017

Event: WHO Regional Meeting in Sao Paulo, Brazil about Research 2030 Goals. Role: Speaker on Perspective on Wheelchair Related Research in Less Resourced Settings. November 2017

Event: Health Systems Engineering Certificate Seminar. Role: Speaker on AT Technology Applications in Rehab. October 2017

Event: Center for Sustainable Infrastructure (Pitt) Annual Research Symposium. Role: Speaker on Curb-ramp inspection system and related topics for pedestrian access. March 2018.

Event: School of Health and Rehabilitation Sciences Commencement. Role: Undergraduate Commencement Speaker. May 2019.

Event: Global Launch of WHO Wheelchair Service Standards, Role: Speaker, December 2020

Event: Empower Your Practice with Applied Product Standards. 37th International Seating Symposium, A Prelude to Pittsburgh Pre-symposium Webinar Series, Role: Speaker, April 23, 2021.

Event: Meet the Experts: Wheelchair and Cushion Product Performance. University of Pittsburgh Wheelchair and Cushion Standards Group, Lunch-and-Learn Webinar Series, Role: Speaker, May 21, 2021.

Event: Global Mobility Conference, Role: Keynote Speaker, September 2021

Event: Wheelchair Rolling Resistance and Its Impact on Wheelchair Users. University of Pittsburgh Wheelchair and Cushion Standards Group, Give Thanks for Standards Webinar Series, Role: Speaker, Nov 5, 2021.

Event: Global Consultation on AT outcomes, Role: Contributor 2022 ([link](#))

Event: Strengthening Intelligence for Assistive Technology, Role: Contributor June 1st, 2022
- Including UNICEF, GDI-HUB, USAID, CHAI, UK Government, ISWP

Event: 3rd Annual University of Michigan Center for Disability Health & Wellness Research Symposium ([link](#)), Role: Keynote Speaker, October 7, 2022

3) Other Research Activities

JOURNAL REVIEWER

- Assistive Technology (editorial board member)
- Journal of Rehabilitation and Assistive Technology Engineering (RATE)
- Journal of Orthopaedic Research
- Journal of Rehabilitation Research and Development
- Prosthetics and Orthotics International
- Disability and Rehabilitation: Assistive Technology
- Archives of Physical Medicine & Rehabilitation
- African Journal of Disability (Editor of Special Issue)
- World Patent Information

GRANT REVIEWER

- Veterans Administration, RR&D
- Paralyzed Veterans of America
- VentureWell
- Pitt's Center for Medical Innovation
- Coulter Program
- Paralyzed Veterans of America
- USAID Leahy War Victims Fund
- National Institute of Disability, Independent Living, and Rehabilitation Research
- National Science Foundation

CONTRIBUTIONS BY SPECIAL INVITATION

- WHO/UNICEF Global Report on Assistive Technology (2022) - Reviewer for the Global Report
- GAATO Global Consultation on AT Outcomes (2021) - Contributor to Global Sessions to Prioritize Outcome Measures

- World Intellectual Property Organization (WIPO) - Contributor to the WIPO Report on Assistive Technology (2020)
- WHO GREAT Consultation -- Speaker/Contributor to Global Consultation on Assistive Technology (2018)

STANDARDS (*trainee)

Pearlman, J. (2016) Standard Practice for Computing Wheelchair Pathway Roughness Index as Related to Comfort, Passability, and Whole Body Vibrations from Longitudinal Profile Measurements, ASTM E3028

*Mhatre, A. (2022) [ISO 7176-32:2022](#) Wheelchairs — Test method for wheelchair castor assembly durability

PATENTS (*student inventors)

USPTO #	Technology Description	Inventors (*students)	Licensee(s)
20080319359	Compression System to prevent deep vein thrombosis	Pearlman, Moomiaie-Qajar	InQMeds, Inc
US8376463 B2	User Adjustable Wheelchair Backrest	Pearlman, Cooper, Hargroder, *Hong, *Liu, *Wang, *Salatin	Accessible Design, Inc
13/022,838	Steering Mechanism for Personal Vehicle	Pearlman, Cooper	Three Rivers Holding
2011/0245747 A1	Finger Splint	Pearlman, Wollstein, Ogden, Cooper, White, *Zisook	N/A
7,882,909 B2	Power Wheelchair	Pearlman, Cooper	Three Rivers Holding
12/956,666	Caster system for wheelchair	Pearlman, Cooper, Kwarciak, McCartney	Accessible Design, Inc
20150209207 A1	Seating Function and Monitoring System for wheelchair	Pearlman, Cooper, *Wu, *Daveler, *Liu, *wang, *Grindle	Permobil, Inc
US20130197732A1	Active Stability System for wheelchair	Pearlman, *Duvall, Gebrosky, Cooper	Pride Mobility
US20190021920A1	Pneumatic powered wheelchair	Cooper, *Wang, *Daveler, Gebrosky, *Grindle, Pearlman, Schneider, Minzenmay	Fraunhofer Institute
US10,690,774 B2	Pathway Measurement Devices, Systems & Methods	Pearlman, *Sinagra, *Duvall, Brown, *Stuckey, *Chen, *McIntyre, Cooper	PathVu
US 2021/0128019 A1	Axial Load Cell	Pearlman, *Duvall, *Bucior	Nexaware

US20210345910A1	Furniture-integrated weight scale	Pearlman, Cooper, *Duvall, *Mhatre	Nexaware
63/269,079 (unpublished provisional)	Adjustable Mounting System for Aging in Place Technology	Pearlman, Delazio, Villacreces, James, Brienza, Hargroder	N/A - still in development
17/933,616 (unpublished provisional)	System and Methods for Automatic Condition Monitoring of Mobility Systems	Pearlman, *Mhatre	N/A - Still in development
63/374,947 (unpublished provisional)	Stair Navigation Assist System	Pearlman, Delazio, James, Brienza, Villacreces, Afsar, Hargroder	N/A - Still in development

SERVICE:

1) University

Role/Title	Organization	Years
Department Chair	Department of Rehabilitation Science & Technology, University of Pittsburgh	2018-Present
Committee Member	Tech Transfer Committee, Innovation Institute, University of Pittsburgh	2015-2018
Evaluator	Sell Merit Scholarship Award, SHRS	2017
Committee Member	Space Committee, School of Health and Rehab Science, University of Pittsburgh	2014-2017
Promotion Advisor to Goeran Fiedler (mid-tenure review) and Chris Hovorka, Shawn Flanagan	School of Health and Rehab Science	2017-Present
Associate Director of Engineering	Human Engineering Research Labs, VA Pittsburgh Healthcare System	2009-2016
Technical Director	Healthy Home Laboratory	2020-Present
Associate Director of Product Innovation and Technology Translation	Human Engineering Research Labs, VA Pittsburgh Healthcare System	2016-2018

2) Professional (non-university)

Role/Title	Organization	Years
Integrated Product Team (IPT) Technical Lead	VA National Center for Patient Safety	2012-2017
Member, Product Advisory Council (PAC)	Consolidating Logistics for Assistive Technology Supply and Provision (CLASP)	2015-Present
Convener for Working Group 1 of Technical Committee (TC) 173	International Standards Organization	2018-2022
Co-Chair of the NINDS/NICHHD Common Data Elements (CDEs) Working Group for the Rehabilitation CDE project (Devices Subgroup)	National Institutes of Health	2020-2022
Expert Panel Member on Service Provision & Workforce Capacity/Systems & Policy Panel	Administration for Community Living	2020-2021
Advisory Council	U-Mass Medical School Center for Psychiatric Rehabilitation for the Center on Knowledge Translation on Employment Research	2020-Present
Steering Committee for the WHO Wheelchair Standards	World Health Organization	2020 - Present

3) Community

Role/Title	Organization	Years
Advisor on inclusive playground design	Garrett County Lions Club	2023-Present
Board Member	Kyaninga Mobility	2021-Present
Board Member & Chair of Assistive Technology Committee	Community Living & Support Services of Pittsburgh	2017-2023
Founding Director	International Society of Wheelchair Professionals	2015-2022

4) Mentorship of Faculty

Individual(s) Supported	Role(s)	Outcome
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Dr. Goran Fiedler	Mid-tenure review, support with promotion dossier, nominated for Dean's teaching award	Received Dean's teaching award, promoted to associate professor with tenure.
Dr. Chris Hovorka	Support and review of dossier for promotion	Promoted to assistant professor
Dr. Shawn Flanagan	Serving as a member of his mentoring team as part of the SHRS Mentoring Academy	Support is ongoing to help Shawn prepare for promotion
Dr. Paula Rushton (University of Montreal)	Provided ad-hoc career advice, served as referee for tenure promotion, and referee for application to become director of OT program.	Promoted with Tenure and awarded director position of OT program at Dalhousie University.
RST Faculty	As department chair, I serve as a mentor for all RST faculty	Promotions during my leadership as Chair: Dan Fisher, Tricia Karg, Rosie Cooper, Bob Maguire, Goeran Fiedler.