Katharine (Katya) Joan Hill, Ph.D., CCC-SLP

Professor, School of Health and Rehabilitation Science
Senior Director, UPMC Augmentative Communication Program

CIRRICULUM VITAE

BIOGRAPHICAL

Name:	Katharine (Katya) Joan Hill	**Birth Date:**	April 14, 1952
Home Address:		**Birthplace:**	Fergus Falls, MN
Home Phone:		**Citizenship:**	USA
Business Address:	5060c Forbes Tower Pittsburgh, PA 15260	**Email:**	khill@pitt.edu hillk11@upmc.edu
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EDUCATION AND TRAINING

UNDERGRADUATE

1972 – 1976	Edinboro State College, Edinboro, PA	B.A., 1976	Speech & Hearing

GRADUATE

1978 – 1980	Edinboro State College, Edinboro, PA	M.A., 1980	Speech Pathology

POSTGRADUATE

1990 – 1996	Edinboro University of Pennsylvania, Edinboro, PA	Post Graduate Studies, 1996	Educational Psychology School Administration
1998 – 2001	University of Pittsburgh School of Rehabilitation Sciences and Technology,	Ph.D., 2001	Rehabilitation Science and Technology

Pittsburgh, PA

APPOINTMENTS AND POSITIONS

ACADEMIC:

1998	Edinboro University of Pennsylvania	Part-time Instructor
1993	Gannon University at Regional Computer Resource Center	Assistant Instructor
1996	Edinboro University of Pennsylvania	Part-time Instructor
1997	Mercyhurst College, Erie, PA	Adjunct Faculty
1997 – 1999	University of Pittsburgh, Department of Rehabilitation Science and Technology	Research Assistant
1999 – 2005	University of Pittsburgh School of Rehabilitation Sciences and Technology, Pittsburgh, PA	Assistant Professor
2004	Edinboro University of Pennsylvania, Department of Speech and Communication Studies	Tenure awarded (Spring)
2005	University of Pittsburgh, Department of Communication Science and Disorders	Associate Professor
2006	University of Pittsburgh, School of Health and Rehabilitation Sciences	Graduate Faculty Appointment
2007 – 2011	VA Pittsburgh Healthcare System/Speech Pathology and Audiology Service	Research Associate – WOC
2010	University of Pittsburgh Department of Rehabilitation Sciences and Technology	Associate Professor – Secondary Appointment
2010 – 2016	Shanghai University of T.C.M. Rehabilitation Medicine School, Shanghai, China	Associate Professor
2011 – 2013	VA Pittsburgh Healthcare System/Speech Pathology and Audiology Service	Research Heath Assistant
2012 – 2016	National Chiayi University, Taiwan, Department of Special Education	Adjunct Professor
2013 – 2015	VA Pittsburgh Healthcare System/Speech Pathology and Audiology Service	Research Associate - WOC
2018 – present	University of Pittsburgh, Human Engineering Research Laboratories (HERL)	HERL Affiliate Faculty
2023-present	University of Pittsburgh, School of Health and Rehabilitation Science	Professor

NON-ACADEMIC:

1979 – 1997	Pennsylvania State University System	Clinical Supervisor/

		Cooperating Teacher
1978 – 1984	Northwest Tri-County Intermediate Unit #5, Edinboro, PA	Speech Therapist - Project Support
1980 – 1984	Northwest Tri-County Intermediate Unit #5, Edinboro, PA	Speech-Language-Hearing Program Consultant
1984 – 1990	Northwest Tri-County Intermediate Unit #5, Edinboro, PA	Local Augmentative Communication Specialist & Assistive Technology Program Coordinator
1990 – 1997	Northwest Tri-County Intermediate Unit #5, Edinboro, PA	Assistive Technology Program Coordinator
1999 – 2005	Edinboro University of Pennsylvania Center for Assistive Technology Education and Research (CATER)	Director
2006 – 2009	UPMC (University of Pittsburgh Medical Center) Center for Assistive Technology (CAT)	Speech Language Pathologist
2010 – present	ICAN™ Talk Clinics *of the AAC Institute*, Pittsburgh, PA	Clinical Director
2017 – present	UPMC ALS Clinic, Speech, Language, AAC Services Pittsburgh, PA	Speech Language Pathologist
2021 – present	UPMC (University of Pittsburgh Medical Center) Augmentative Communication Program (ACP) Center for Assistive Technology (CAT), Pittsburgh, PA	Senior Director

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CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION

American Speech-Language-Hearing Association: Certificate of Clinical Competence in Speech Pathology (CCC-SLP) #00836627	1980
Pennsylvania State Educational: Pennsylvania Instructional II Certificate: Speech Correction	1982
Pennsylvania State Educational: Pennsylvania Supervisory I Certificate: Supervisory Special Education	1995
Pennsylvania State Educational: Pennsylvania Administrator I Certificate: Elementary Principal	1996
Pennsylvania State Educational: Pennsylvania Administrator I Certificate: Secondary Principal	1996

PROFESSIONAL LICENSURE

Pennsylvania State Speech Language Pathologist License #SL006059L	1982
Ohio State Speech Language Pathologist License #SP9580	2010

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

American Speech-Language-Hearing Association (ASHA) Special Interest Division #12: Augmentative and Alternative Communication (AAC) Special Interest Division #17: Global Issues in Communication Sciences and Related Disorders Special Interest Division #18: Telepractice	1980 – present
Pennsylvania Speech Language Hearing Association (PSHA)	1980 – present
Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)	1998 – present
Southwest Pennsylvania Speech Language Hearing Association (SWPSHEA)	2005 – present
Brain Computer Interface (BCI) Society	2013 – present
Orthodox Christian Association of Medicine, Psychology, and Religion (OCAMPR)	2018 – present

HONORS

Honors of the Department of the Army, Water Reed Army Medical Center, Certificate of Appreciation	2006
Honors of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA), Certificate of Appreciation	2006
Honors of the Department of the Army, Water Reed Army Medical Center, Certificate of Appreciation	2008
Honors of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA), Certificate of Appreciation	2010
Honors of the International Society for Augmentative and Alternative Communication (ISAAC), Certificate of Appreciation	2012
Honors of the Department of Veterans Affairs for Certificate of Appreciation for meritorious service within the VA Cooperative Studies Program	2013
2017 Clinical Achievement Award from the ASHA Foundation presented at the 2017 American Speech Language Hearing Association Convention	2017
2017 State Clinical Achievement from the Pennsylvania State Speech Language Hearing Association (PSHA) presented in Harrisburg, PA	2017

ORIGINAL PEER REVIEWED ARTICLES

1. **Hill, K.,** & Romich, B. (2002). A rate index for augmentative and alternative communication. *International Journal Speech Technology*, *5*, 57-64. doi:10.1023/A:1013638916623

2. **Hill, K.** (2006). A case study model for augmentative and alternative communication. *Assistive Technology Outcomes and Benefits*, 3(1). https://eric.ed.gov/?id=EJ902506

3. **Hill, K.** (2006). Augmentative and alternative communication (AAC) research and development: The challenge of evidence-based practice. *International Journal of Computer Processing of Oriental Languages, 19 (4)*, 249-262. doi:10.1142/S0219427906001505

4. **Hill, K.** (2009). Data collection and monitoring AAC intervention in the schools. *ASHA Perspectives on Augmentative and Alternative Communication* 18 58-64 June 2009. doi:10.1044/aac18.2.58

5. **Hill, K.** (2010). Advances in Augmentative and alternative communication as quality of life technology. *Physical Medicine and Rehabilitation Clinics of North America, 21*, 43-58. doi:10.1016/j.pmr.2009.07.007

6. Chen, S. K., McNeil, M. R., **Hill, K**., & Pratt, S.R. (2013). Translating and validating a Mandarin Chinese version of the Computerized Revised Token Test. *Asia Pacific Journal of Speech, Language, and Hearing.* doi:10.1179/2050571X12Z.0000000006

7. **Hill, K.,** Kovacs, T., & Shin, S. (2014). Reliability of brain-computer interface language sample transcription procedures. *Journal of Rehabilitation Research and Development, 51*(4), 579-590. doi:10.1682/JRRD.2013.05.0102

8. **Hill, K**., Kovacs, T., & Shin, S. (2015). Critical issues using brain-computer interfaces for augmentative and alternative communication. *Archives of Physical Medicine and Rehabilitation, 96*(3 Suppl), S8. doi:10.1016/j.apmr.2014.01.034

9. Kovacs, T., & **Hill, K**. (2015). A Tutorial on Reliability Testing in AAC Language Sample Transcription and Analysis. *Augmentative and Alternative Communication*, (ahead-of-print), 1-11. doi:10.3109/07434618.2015.1036118

10. Higdon, C. W. & **Hill, K.** (September, 2015). Five SGD Funding Rules of Commitment. *Perspective on Augmentative and Alternative Communication*. 24: 129-134. doi:10.1044/aac24.4.129

11. Chen, S.-H. K, **Hill, K**., Ridenour, T. R., Sun, K. Su, C., & Chen, M.-C. (2015). Feasibility Study of Short-Term, Intensive Augmentative and Alternative Communication Intervention with Mandarin Chinese Speaking Children with Autism. *Journal of the Speech-Language-Hearing Association of Taiwan, 34,* 87-108. doi:10.6143/JSLHAT.2015.04.04

12. Shin, S., & **Hill, K.** (27 March 2016) Korean Word Frequency and Commonality Study for Augmentative and Alternative Communication. *International Journal of Language & Communication Disorders.* doi:10.1111/1460-6984.12218

13. Huggins, JE, Alcaide-Aguirre, RE, **Hill, K** (2016) Effects of text generation on P300 brain-computer interface performance. *Brain-Computer Interfaces* 3(2), 112-120. doi:10.1080/2326263X.2016.1203629

14. Kovacs, T., & **Hill, K.** (2017). Language samples from children who use speech generating devices: Making sense of small samples and utterance length. *American Journal of Speech-Language Pathology.* doi:10.1044/2017_AJSLP-16-0114

15. Ridenour, T. A., Chen, S.-H. K., Liu H.-Y., **Hill, K.,** Cooper, R. (2017) The clinical trials mosaic: toward a range of clinical trials designs to optimize evidence-based treatment.

Journal of Person-Oriented Research. 3(1): 28-48. doi:10.17505/jpor.2017.03

16. Wang, E-H., Zhou, L., Chen, S-H. K., **Hill, K.** & Parmanto, B. (2017). Development and evaluation of a mobile AAC App: A virtual therapist and speech assistant for people with communication disabilities. *Disability and Rehabilitation: Assistive Technology.* doi:10.1080/17483107.2017.1369592

17. Wang, E-H., Zhou, L., Chen, S-H. K., **Hill, K**. & Parmanto, B. (2018). An mHealth platform for supporting clinical data integration into augmentative and alternative communication service delivery: User-centered design and usability evaluation. *JMIR Rehabilitation and Assistive Technologies.* 5(2). E14. doi:10.2196/rehab.9009

18. Wolpaw, J.R.; Bedlack, R.S.; Reda, D.J.; Ringer, R.J.; Banks, P.G.; Vaughan, T.M.; Heckman, S.M.; McCane, L.M.; Carmack, C.S.; Winden, S.; McFarland, D.J.; Sellers, E.W.; Shi, H.; Paine, T.; Higgins, D.S.; Lo, A.C.; Patwa, H.S.; **Hill, K**.; Huang, G.D; and Ruff, R.L. (2018). Independent home use of a brain-computer interface by people with amyotrophic lateral sclerosis. *NEUROLOGY.* 2018; 91(3). e267. doi:10.1212/WNL.0000000000005812

19. Chen, S.-H. K., **Hill, K**., Ridnour, T. R., & Chen, M.-C. (2020). Family-involved Clinical AAC Intervention for a Chinese Child with Autism Spectrum Disorder. *Proceedings of 2020 International Conference on Special Education*, 157-178. https://www.rti.org/publication/family-involved-clinical-aac-intervention-chinese-child-autism-spectrum-disorder/fulltext.pdf

20. **Hill, K.,** J. Huggins & C. Woodworth (2021*)* Interprofessional practitioners' options on features and services for an augmentative and alternative communication brain-computer interface device. *Physical Medicine and Rehabilitation*. 13 (10) 1111-1121. doi:10.1002/pmrj.12525

21. Shinn, S-E., Park, H-J, & **K. Hill.** (2021). Identifying the core vocabulary for adults with complex communication needs from the British National Corpus by analyzing grouped frequency distribution. *Journal of Speech, Language, and Hearing Research*, 64:11. 4329-4343. doi:10.1044/2021_JSLHR-21-00211

OTHER PEER REVIEWED PUBLICATIONS

1. **Hill, K.**, Lytton, R., & Glennen, S. (1998). The role of manufacturers' consultants in delivering AAC services. In *Proceedings of the 8th ISAAC Biennial Conference.* Dublin, Ireland.

2. **Hill, K.**, & Romich, B. (1999). A proposed standard for AAC and writing systems data logging for clinical intervention, outcomes measurement, and research. In *Proceedings of the RESNA '99 Annual Conference.* Long Beach, CA. pp 22-24.

3. Romich, B., & **Hill, K.** (1999). A language activity monitor for AAC and writing systems: Clinical intervention, outcomes measurements, and research. In *Proceedings for the RESNA '99 Annual Conference.* Long Beach, CA. pp 19-21.

4. **Hill, K.**, Romich, B., & Spaeth, D. (2000). AAC selection rate measurement: Tools and methods for clinical use. In *Proceedings of the RESNA '00 Annual Conference.* Orlando, FL. July. pp 61-63.

5. **Hill, K.**, & Romich, B. (2000). AAC communication rate measurement: Tools and methods for clinical use. In *Proceedings of the RESNA '00 Annual Conference.* Orlando, FL. July. pp 58-60.

6. **Hill, K.**, & Romich, B. (2000). AAC core vocabulary analysis: Tools for clinical use. In *Proceedings of the RESNA '00 Annual Conference*. Orlando, FL. July. pp 67-69.

7. Baker, B., **Hill, K.**, Amato, J., & Menna, D. (2000). Do we liberate individuals by

teaching wide context specific vocabulary? In *Proceedings of the 9th ISAAC Biennial Conference.* Washington, DC. August. pp 727-729.

8.   **Hill, K.**, & Romich, B. (2000). AAC best practice using Language Activity Monitoring. In *Proceedings of the 9th ISAAC Biennial Conference.* Washington, DC. August. pp 761-764.

9.   LoPresti, E., Romich, B., Spaeth, D., **Hill, K.**, & Hobson, D. (2001). Toward development of an interface device for proportional mouse emulation through a power wheelchair controller. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 71-73.

10. **Hill, K.**, Romich, B., LoPresti, E., Spaeth, D., Thiel, J., Creech, R., & Hobson, D. (2001). A survey to support the development of an interface device for integrated control of power wheelchairs, computers, and other devices. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 68-70.

11. **Hill, K.**, Romich, B., & Thiel, J. (2001). Operational procedures for preparing logfiles for communication rate analysis. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 58-60.

12. **Hill, K.**, & Romich, B. (2001). A summary measure clinical report for characterizing AAC performance. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 55-57.

13. Romich, B., **Hill, K.**, & Spaeth, D. (2001). AAC selection rate measurement: A method for clinical use based on spelling. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 52-54.

14. **Hill, K.**, & Romich, B. (2002). The AAC rate index in clinical practice. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 81-83.

15. Romich, B., LoPresti, E., **Hill, K.**, Spaeth, D., Young, N., & Springsteen, J.P. (2002). Mouse emulation using the wheelchair joystick: Preliminary performance comparison using four modes of control. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 106-108.

16. Ramachandran, P., & **Hill, K.** (2002). Reliability study of language samples using software to support the transcription of digitized speech AAC systems. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 78-80.

17. Indermuhle, M., **Hill, K.**, & Romich, B. (2002). A language activity monitor for digitized speech AAC systems to support evidence-based clinical practice and outcomes measurement. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 69-71.

18. **Hill, K.**, Romich, B., Seagull, A., Dadoo, A., Gotla, K., & Welty, D. (2002). The development of an AAC language sample library to support evidence-based practice. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 84-86.

19. **Hill, K.**, & Romich, B. (2002). A model for AAC evidence-based clinical practice. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 87-89.

20. **Hill, K.**, & Romich, B. (2002). Tools and methods for AAC evidence-based clinical practice and research. In *Proceedings of the 10th Biennial ISAAC Conference.* Odense, Denmark. pp 301-302.

21. **Hill, K.** (2002). The AAC Institute: A resource for evidence-based practice and research. In *Proceedings of the 10th Biennial ISAAC Conference.* Odense, Denmark. pp 299-300.

22. **Hill, K.** (2002). AAC language sample library to support evidence-based practice and research. In *Proceedings of the 10th Biennial ISAAC Conference.* pp 269-270.

23. Cook, S., & **Hill, K.** (2003). AAC performance data for an individual with amyotrophic lateral sclerosis. In *Proceedings of the 2003 RESNA Annual*

Conference [CD-ROM].

24. **Hill, K.**, Romich, B., Ahmad, N., Peebles, B., Strecker, J., & Seagull, A. (2003). AAC internet-based self study shell. In *Proceedings of the 2003 RESNA Annual Conference* [CD-ROM].

25. Romich, B., **Hill, K.**, Ahmad, N., Streckeer, J., Gotla, K., & Seagull, A. (2003). AAC performance report tool (PERT). In *Proceedings of the 2003 RESNA Annual Conference* [CD-ROM].

26. **Hill, K.** (2003). The use of AAC performance data to support evidence-based practice with a preschooler. In *Proceedings of the 2003 RESNA Annual Conference* [CD-ROM].

27. Romich, B., **Hill, K.**, Adamson, J., & Anthony, A. (2004) U-LAM: Universal Language Activity Monitor. In *Proceedings of the 2004 RESNA Annual Conference* [CD-ROM].

28. **Hill, K.**, & Spurk, E. (2004) AAC Performance Based on Semantic Organization Schemes Using Dynamic Displays. In *Proceedings of the 2004 RESNA Annual Conference* [CD-ROM].

29. Spurk, E., & **Hill, K.** (2004) Frequency of Use of Vocabulary for Individuals Using Dynamic Display Systems. In *Proceedings of the 2004 RESNA Annual Conference* [CD-ROM].

30. **Hill, K.**, & Romich, B. (2004). Using PERT for quantitative language sample analysis. In *Proceedings of the 11th Biennial ISAAC Conference*. Natal, Brazil [CD-ROM].

31. **Hill, K.**, & Romich, B. (2004). AAC institute: An international resource. In *Proceedings of the 11th Biennial ISAAC Conference*. Natal, Brazil [CD-ROM].

32. **Hill, K.**, & Jans, D. (2004). AAC outcomes and persons with ALS/MND. In *Proceedings of the 11th Biennial ISAAC Conference*. Natal, Brazil [CD-ROM].

33. Romich, B., **Hill, K.**, & Liffick, B. (2005). Switch Performance Measurement Software. In *Proceeding of the 2005 RESNA Conference*. Atlanta, GA. [CD-ROM].

34. **Hill, K.** (2005). Survey data on PeRT (Performance report tool). In *Proceeding of the 2005 RESNA Conference*. Atlanta, GA. [CD-ROM].

35. Liffick, B., Romich, B., & **Hill, K.** (2005). A single-switch performance evaluation tool. In *Proceedings of the 11th International Conference on Human-Computer Interaction*. Las Vegas, NV.

36. **Hill, K.** (2006). Language Representation Methods: Perception vs. Actual Performance. In *Proceedings of the ISAAC Biennial 2006 Conference*. Dusseldorf, Germany. July 29-August 5, 2006.

37. Romich, B., **Hill, K.**, & Rybnikar, M. (2006). Measuring No-Tech and Low-Tech Communication Performance. In *Proceedings of the ISAAC Biennial 2006 Conference*. Dusseldorf, Germany. July 29-August 5, 2006.

38. **Hill, K.**, Rajinder, K., Lloyd, L., & Loncke, F. (2006). University and Research Directory for AAC Activity. In *Proceedings of the ISAAC Biennial 2006 Conference*. Dusseldorf, Germany. July 29-August 5, 2006.

39. Huer, M., **Hill, K.**, & Loncke, F. (2006). International Policy trends and AAC. In *Proceedings of the ISAAC Biennial 2006 Conference.* Dusseldorf, Germany. July 29-August 5, 2006.

40. **Hill, K.** (2006). AAC Assessment Outcomes for Individuals with Developmental Disabilities. In Proceedings at *Thriving in challenging Times: The future of rehabilitation engineering and assistive technology* the Annual RESNA 2006 Conference. Atlanta, GA. June 22-26, 2006.

41. Yao, T.S., **Hill, K.**, Baker, B., and Herrmann, J. (accepted). Developing Mandarin Chinese AAC platform by using grammar keys. In *Proceedings of 13th Biennial*

Conference – International Society for Augmentative and alternative Communication (ISAAC). Montreal, Canada, August 2-7, 2008.

42. **Hill, K.**, and Yao, T. S. (2008). Application of second language learning assessment principles to the evaluation of AAC communication competence. In *Proceedings of 13th Biennial Conference – International Society for Augmentative and alternative Communication* (ISAAC). Montreal, Canada, August 2-7, 2008.

43. Romich, B., **Hill, K.**, and Graham, K. (2007). Predicting AAC communication rate. In *Proceedings of the RESNA 2008 Annual Conference*. Washington DC. [CD-ROM].

44. **Hill, K.**, and Hayes-Diges, A. (2007). AAC Consumer Protection Policies in an Evidence-Based Practice, Client-Centered Milieu. In *Proceedings of the RESNA 2008 Annual Conference*. Washington DC. [CD-ROM].

45. Todd, J. and **Hill, K.** (2007, September). *Gender Differences in Language Samples of Augmentative and Alternative Communication (AAC) Users*, In Proceedings of the 2007 Clinical AAC Research Conference, Lexington, KY.

46. Graham, K. and **Hill, K.** (2007, September). *A Pilot Study Comparing AAC Vocabulary Usage Patterns Based on User Experience*, In Proceedings of the 2007 Clinical AAC Research Conference, Lexington, KY.

47. **Hill, K.**, Murphy, L., Chen, M., & Kovacs, T. (2009). Methodology of a systematic review on word Prediction. In Proceedings of the Annual RESNA conference. New Orleans, June 25-27, 2009.

48. Chen, M.C., **Hill, K.**, Yao, T. (2009). *Preliminary Vocabulary Frequency findings for mandarin Chinese AAC treatments*. In Proceedings of the Annual iCREATe conference. Singapore: ACM publications.

49. Lin, Y., Chen, M. C., **Hill, K.**, Yeh, Y., Ko, C. (2009). Enhancing entry text speed by using an encoding keyboard. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 10-15.

50. Kovacs, T. & **Hill, K.** (2009). A proposed method for determining trajectory of learning language on an AAC system for individuals with functional blindness. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 29-33

51. Chen, M. C., **Hill, K.**, & Yao, T. (2009). Preliminary vocabulary frequency findings for Mandarin Chinese AAC treatments. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 38-43.

52. Chen, K., **Hill, K.**, McNeil, M., & Pratt, S. (2009). Translating and validating a Mandarin Chinese version of the computerized revised token test. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 34-37.

53. Baker, B., Tenny, C., & **Hill, K.** (2010). The distinction between language and natural language: An evolution in Terminology. In *Proceedings of the 14th Biennial Conference Isaac 2010*. Barcelona, Spain. July 24-29, 2010.

54. Chen, M., **Hill, K.**, & Kovacs, T. (2010). Is word prediction a rate enhancer: Results from a systematic review. In *Proceedings of the 14th Biennial Conference Isaac 2010*. Barcelona, Spain. July 24-29, 2010.

55. Chen, K., **Hill, K.**, & Chen, M. (2010). Core Vocabulary Acquisition of a Mandarin Chinese Child. In *Proceedings of the 4th Clinical AAC Research Conference*. Iowa City, IA. October 7-9, 2010.

56. **Hill, K.** & Kovacs, T. (2010). Integration of AAC Systems Within a Speech Chain Model. In *Proceedings of the 4th Clinical AAC Research Conference*. Iowa City, IA. October 7-9, 2010.

57. **Hill, K.**, & Huggins, J. (2011). Brain-Computer Interfaces, Ready or Not. In *Proceedings of the Annual RESNA Conference.* Toronto, Canada. June 5-8, 2011.
58. **Hill, K.**, Chen, K.., & Harkawik, R. (2011). From iPad to BCI: AAC interventions for Adults with Degenerative Disorders. In *Proceedings of the Annual RESNA Conference.* Toronto, Canada. June 5-8, 2011.
59. Kovacs, T., & **Hill, K.** (2012). "Research on Tactile and Bliss Symbols" - Case example of focus groups in evidence-based AAC research and development: Testing tactile symbol systems. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
60. Chen, S.Z., & **Hill, K.** (2012). Language Acquisition of a Mandarin Chinese (MC) Child using an AAC System. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
61. Owni, N.B., & **Hill, K.** (2012). AAC in Malaysia. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
62. Shin, S., & **Hill, K.** (2012). Korean Studies about Core Vocabulary for the Development of Augmentative and Alternative Communication Tool: A Review. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
63. **Hill, K.**, & Taylor, G. (2012). AAC Consumer Protection Policies: Evidence and Advocacy. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
64. **Hill, K.** (2012). AAC Outcomes and Performance Measurement to Support Clinical Decisions. In *Proceedings of the 15th Biennial of ISAAC.* Pittsburgh, PA, July 30-August 2, 2012.
65. **Hill, K.**, Kovacs, T., & Shin, S. (2013). Are BCIs coming of age as AAC system? In *Proceedings of the International BCI Meeting.* Pacific Grove, CA, June 3-7, 2013.
66. Owni, N. B., & **Hill, K.** (2014) The Preliminary Study of Validating Vocabulary Selection and Organization of a Manual Communication Board in Malay [CD-ROM]. In Proceedings of the 16th Biennial Conference of ISAAC. Lisbon, Portugal. July 19-24.
67. **Hill, K.**, Nyberg, E., Kovacs, T. & Shin, S. (May 2016). *Toward standards in AAC-BCI performance measurement and a Data Repository.* In the Proceedings of the Sixth International BCI Meeting. 5/20-6/3 Pacific Grove, California.

OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Hill, K.**, & Whiteman, J. (1995). ATAC: Formation of a regional assistive technology advisory council. In *Proceedings of the Annual Minspeak Conference.* Wooster, Ohio.
2. **Hill, K. J.**, & Boylan, J. (1996). Having a real good time at camp: 1st AAC camp at EUP. In *Proceedings of the Annual Minspeak Conference.* Wooster, Ohio.
3. **Hill, K.** (1996). Welcome to the real world! Using quality management tools to support the implementation process. In *Proceedings of the Annual Minspeak Conference.* Wooster, Ohio.
4. **Hill, K.**, & Romich, B. (1998). Language research needs and tools. Annals of Biomedical Engineering: *The Journal of the Biomedical Engineering Society.* Abstract supplement, October 1998.
5. **Hill, K.**, & Seaver, R. (1998). An ugly fact of life: The abuse of intimacy. In *Proceedings of the 7th Annual Pittsburgh Employment Conference (PEC).*

Pittsburgh, PA.

6. **Hill, K.**, & Romich, B. (1999). AAC language monitoring and analysis for clinical intervention and research outcomes. In *Proceedings of the 14th annual Technology and Persons with Disabilities Conference*. California State University, Northridge (CSUN). Los Angeles, CA.

7. Balandin, S., Baker, B., & **Hill, K.** (1999). Vocabulary-more than a word list. In *Proceedings of the 14th annual Technology and Persons with Disabilities Conference*. California State University, Northridge (CSUN). Los Angeles, CA.

8. **Hill, K.**, & Romich, B. (1999). Language Activity Monitoring in AAC. In *Proceedings of the 14th Annual Statewide Assistive, Alternative, Augmentative Communication (SWAAAC) Conference*. Steamboat Springs, CO. June.

9. **Hill, K.**, & Romich, B. (1999). AAC language activity monitoring: Entering the new millennium. In *Proceedings of the Southeast Augmentative Communication Conference.* October. Birmingham, Alabama. pp. 46-51.

10. **Hill, K.**, & Romich, B. (1999). Improving AAC intervention through language activity monitoring. In *Proceedings of the Mid-Atlantic Augmentative and Alternative Communication (MAAC) Conference*. Bethesda, MD. November.

11. Romich, B., & **Hill, K.** (1999). AAC language representation: What works and why. In *Proceedings of the Mid-Atlantic Augmentative and Alternative Communication (MAAC) Conference.* Bethesda, MD. November.

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103. **Hill, K.** (2012). *Performance and outcome measurement to support AAC research and development.* Paper at the 6th Clinical AAC Research Conference. St. Louis, MO. September 28-30, 2012.

104. Chen, SZ. K., & **Hill, K.** (2013). Augmentative and alternative communication (AAC) intervention and children with autism. 4th China International Conference of Speech Therapy. Yichang, P R., China. June 28-30, 2013.

105. **Hill, K.**, & Chen, SZ. K. (2013). *Evidence-based Practice (EBP) in Communication and Swallowing Disorders: Case-Based Examples.* 4th China International Conference of Speech Therapy. Yichang, P R., China. June 28-30, 2013.

106. **Hill, K.**, Kovacs, T., & Shin. S. (2013). *Interrater reliability for transcription and analysis of naturalistic AAC language samples for two clinical studies.* Paper submitted to the 7th Clinical AAC Research Conference. Indiana University, Bloomington, IN. September 27-28, 2013.

107. Kovacs, T., & **Hill, K.** (2013). Acquisition of auxiliary syntax in twins using AAC. Paper submitted to the 7th Clinical AAC Research Conference. Indiana University, Bloomington, IN. September 27-28, 2013.

108. Ridenour TA, **Hill K**, Chen SHK. National Heart, Lung and Blood Institute. Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health. *Three Techniques for Rigorous Analysis of Intensive Within-person Experiments.* Bethesda, MD.

109. Ridenour TA, **Hill K.**, Chen S.-H. K. (2014) Three Techniques for Rigorous Analysis of Intensive Within-person Experiments. Bethesda, MD. Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health (April 2-3, 2014) NIH-sponsored Workshop.

110. Chen, S.-H. K., **Hill, K.**, Ridenour, T. Sun, K. Su, C. (2014, September). *Intensive augmentative communication intervention with children with autism in early language transitions.* Paper presented at 2014 Clinical AAC Conference, St. Louis, MO.

111. Kovacs, T., & **Hill, K.** (September 19, 2015). *Elicited imitation and spontaneous language production from BCI users with ALS in home environments.* Paper presented at Clinical AAC Research Conference. Fontbonne University, St. Louis, MO: September 19-20, 2015.

112. Chen, SHK., **Hill, K.** (September 19, 2015). *Intensive augmentative communication intervention with children with autism in early language transition.* Paper presented at Clinical AAC Research Conference. Fontbonne University, St. Louis, MO: September 19-20, 2015.

113. **Hill, K.**, & Nyberg, E. (September 19, 2015). State of the science in augmentative and alternative communication (AAC) data logging. Paper presented at Clinical AAC Research Conference. Fontbonne University, St. Louis, MO: September 19-20, 2015.

114. **Hill, K.** (January 30, 2015). *AAC Outcomes and Performance Measurement to Support Clinical Decisions.* Seminar presented at Annual ATIA Conference. Orlando, FL: January 28-31, 2015.

115. Shin, S., & **Hill, K.** Word frequency study in the British National Corpus (BNC) using quantitative analysis procedures. Presented at 9th Annual CAAC Research Conference, Charlottesville, VA, October 9-10, 2015.

116. Kovacs, T., & **Hill, K.** (2015 October). The Challenge of Small Language Samples in AAC Language Sample Analysis. Paper presented at 2015 Clinical AAC Conference, Charlottesville, VA. October 9-10, 2015.

117. **Hill, K.** & Nyberg, E. (2015 October). State of the science in augmentative and alternative communication (AAC) data logging. Paper presented at 2015 Clinical AAC Conference, Charlottesville, VA. October 9-10, 2015.

118. Chen, S. -H. K., **Hill, K.**, O'Leary, M. (2015, October). Learning English as a Second Language: A Chinese boy with Cerebral Palsy using a speech generating device. Paper presented at 2015 Clinical AAC Conference, Charlottesville, VA. October 9-10, 2015.

119. Shin, S., & **Hill, K.** Identifying high frequency words in the British National Corpus (BNC) for augmentative alternative communication (AAC) intervention. Presented

at the American Speech-Language-Hearing Association Convention. Denver, CO, November 12-14, 2015.

120. Shin, S., & **Hill, K.** Word frequency effect on lexical selection: Evidence from a picture-word interference (PWI) paradigm. Presented at the American Speech-Language-Hearing Association Convention. Denver, CO, November 12-14, 2015.

121. Chen, S. -H. K., **Hill, K.**, Ridenour, T. & McNeil, M. R. (2015, November). Spoken word learning using an AAC app with different voice outputs and practice. Paper presented at 2015 ASHA Convention, Denver, CO. November 12-14, 2015.

122. **Hill, K.**, Chen, S-H K, Nyberg, E. (2017). *Toward standards in AAC performance measurement and a data repository.* Poster presented at the 2017 Clinical AAC Research Conference. Howard University, Washington DC. October 12-14, 2017.

123. **Hill, K.**, Witt, Caroline, Kurosu, A., Bour, C. (2018). *Focus group and survey results on an AAC-BCI system and services.* Presentation at the Clinical AAC Research Conference. Fontbonne University, St. Louis, MO. September 27-29, 2018.

124. **Hill, K.**, Chen, S-H. K., McGovern, K., Bour, C. (2018*). Language sampling contexts make a difference: Story retell task results from adult AAC speakers*. Poster presented at the Clinical AAC Research Conference. Fontbonne University, St. Louis, MO. September 27-29, 2018.

125. **Hill, K.**, Gall, Fr. J. T., Mathewson, Fr. D. (2018). *Silence isn't golden: Meeting the spiritual needs of individuals who cannot talk.* Workshop presented at the Annual conference of the Orthodox Christian Association of Medicine, Psychology and Religion (OCAMPR). Somerset, NJ. November 8-10, 2018.

126. **Hill, K.**, Chen, S-H. K., McGovern, K. (2018). *Results of a story retelling task for adults who use AAC systems.* Poster presented at the Annual American Speech Language Hearing (ASHA) Association Convention. Boston, MA. November 15-17, 2018.

127. Kovacs, T., **Hill, K.**, Dickey, M., Yaruss, S. (2018). *Tense marked morpheme assessment in children who use AAC: Identifying developmentally appropriate goals.* Poster presented at the Annual American Speech Language Hearing (ASHA) Association Convention. Boston, MA. November 15-17, 2018.

128. **Hill, K.** and Harris, O. (2019). *AAC Specialty Certification: Implementing Policy and Processes.* Presentation at Clinical AAC Research Conference (CAAC). Howard, University, Washington DC, September 26-28, 2019.

129. Kovacs, T., **Hill, K.**, Dickey, M., Yaruss, S. (2018). *Assessing morpheme stimulability in verbal speech and on speech generating devices.* Poster presented at the Annual American Speech Language Hearing (ASHA) Association Convention. Boston, MA. November 15-17, 2018. ASHA Meritorious Poster Submission

130. Huggins, J. E., Garcia-Verdugo, M. A., Cross, R., and **Hill, K.** (2019). *Brain-computer interface operation of a commercial augmentative and alternative communication device.* Poster presented at Neuroscience 2019. Society of Neuroscience. Chicago, IL. October 19-23, 2019.

131. **Hill, K.**, Cole, M., O'Leary, M., and Cristiano, J. (2020). *Town Hall Meeting on AAC Specialty Certification: Identifying Clinical Competencies.* Session at ATIA Conference. Orlando, FL., January 30-February 1, 2020.

132. Huggins, J. and **Hill, K.** (2020). *Research Results from an Augmentative and Alternative Communication Brain-Computer Interface.* Session at ATIA Conference. Orlando, FL., January 30-February 1, 2020.

133. Brumberg, J., M. Fried-Oken, A. Geronimo, **K. Hill**, J. Huggins, N. Kosmyna, B. Peters, K. Pitt, M. Vansteensel, T. Vaughan. (2021). *Toward an international*

consensus on user characterization and BCI outcomes in settings of daily living. Virtual workshop at the International BCI Society Meeting. Brussels, Belgium. June 7-10, 2021.

134. Huggins, J., **K. Hill**, P. Karlsson, & R. Scherer (2021). *No-invasive BCIs for people with cerebral palsy.* Virtual workshop at the International BCI Society Meeting. Brussels, Belgium. June 7-10, 2021.

135. **Hill, K.**, M. Banajee, M. Cole, J. Christafano, O. Harris, C. Higdon, & M. O'Leary (2021). *AAC specialty certification: competencies and ethics.* Session at the Annual ASHA Convention. Washington DC. November 17-19.

136. Huggins, J. & **K. Hill.** (2022). *Research updates from augmentative and alternative communication brain-computer interface studies.* Assistive Technology Industry Association (ATIA) Conference. Orlando, FL. January 26-29, 2022.

137. **Hill, K.**, C. Higdon, M. Cole, J. Christafano, O. Harris, M. Banajee,& M. O'Leary. (2022). AAC clinical competency domains and ethical considerations. Assistive Technology Industry Association (ATIA) Conference. Orlando, FL. January 26-29, 2022.

138. O'Leary, M. & **K. Hill**. (2022). *Rethinking Clinical Principles and Competencies for Determining AAC Access Methods.* Presentation at the Annual American Speech Language Hearing Association Convention. New Orleans, LA. November 17-19, 2022.

139. Higdon, C., M. Cole, **K. Hill**, M. Banajee, J. Cristiano, O. Harris, M. O'Leary. (2022). *AB-AAC: The Future of Specialty Certification in AAC!* Presentation at the Annual American Speech Language Hearing Association Convention. New Orleans, LA. November 17-19, 2022.

140. Vasquez Gabela, S.; D. Ding & K. Hill. (2023). *Unlocking my AAC to control my home.* Presentation at the Associative Technology Industry Conference (ATIA). Orlando, FL. January 31-February 4, 2023

141. Cole, M., K. Hill & J. Drenchek-Cristiano. (2023*). AB-AAC: The Future of Specialty Certification in AAC*! Presentation at the Associative Technology Industry Conference (ATIA). Orlando, FL. January 31-February 4, 2023

PROFESSIONAL ACTIVITIES

TEACHING

Current Teaching Activity

Course	Contact Hours	Dates	Type of Learner	# of Learners	Sessions/ Term
CSD 2077: Augmentative Communication	3	2005 – present Fall Term	Graduate Year 2	36	15
CSD 2065: Speech Network Placement	6 – 12	2014 – present Fall, Spring, Summer Terms	Graduate Year 1	2 – 5	15

Prior Teaching Activity

Course	Contact Hours	Dates	Type of Learner	# of Learners	Sessions/ Term

CSD 3974: Research Seminar in Speech Language Pathology	3	2015 – 2016 (Spring)	Graduate	4 – 6	15
CSD 3971: Research Practicum for PhD Students	3	2007 (Fall) 2008 (Spring) 2009 (Fall) 2012 – 2014 (Spring, Summer, Fall)	Graduate	1	15
CSD 3971: Examination	3 – 6	2012 (Summer) 2013 (Fall) 2014 (Spring, Summer, Fall)	Graduate	1 – 2	15 – 30
CSD 2970: Teaching Practicum	3 – 6	2020 (Fall)	Graduate	1	15
CSD 2507: Mentored Clinical Internship	3 – 6	2007 – 2009 (Fall, Spring) 2011 (Fall) 2017 – Spring, Summer 2019 – Fall	Graduate	1 – 2	15 – 30
CSD 1902/2902/3902: Directed Study	3	2009 – 2012 (Spring) 2013 – 2014 (Spring, Fall)	Graduate	1	15
CSD 2000/2924/2925: Research & Thesis	3	2006 (Summer) 2008 (Spring 2012 (Summer) 2013 (Spring)	Graduate	1	15
CSD 2990/2999: Directed Independent Study	3	2010 (Summer) 2012 (Spring, Fall) 2014 (Fall)	Graduate	1	15
CSD 3000 and/or HRS 3001: Dissertation Research PhD Degree	3	2012 (Fall) 2015 (Spring, Summer) 2021 (Fall) 2022 (Spring)	Graduate	1	15
SHLD 525: Microcomputer Applications: SLP/Audiology	6	2001 – 2004 (Spring)	Graduate	20	30
SHLD 585: Alternative Methods of Communication	6	2001 – 2005 (Fall)	Graduate	17	30
SHLD 707: Advanced Assistive Technology	3	2001 – 2004 (Spring)	Graduate	12 – 15	15
SHLD 711: Advanced Clinical Practice in Augmentative and	6	2001 – 2004 (Fall, Spring)	Graduate	4	15

Alternative
Communication

SHLD 721: Off-campus Clinical Practicum	3	2001 – 2004 (Fall, Spring)	Graduate	1	15	

On Demand Self-Study Courses

- **Hill, K**., Romich, B., and Baker, B. (2007). *AAC symbols and language representation methods.* Online Self-Study Program Course. Pittsburgh, PA: AAC Institute Press. Available at www.aacinstitute.org.
- **Hill, K**. (2008). *Introduction to Augmentative and Alternative Communication (AAC).* Online Self-Study Program Course. Pittsburgh, PA: AAC Institute Press. Available at www.aacinstitute.org.
- **Hill, K**. (2009) *AAC Language-Based Assessment and Intervention.* Online Self-Study Program Course. Pittsburgh, PA: AAC Institute Press. Available at www.aacinstitute.org.

OTHER TEACHING ACTIVITY

Dissertation Committee Service
- <u>Co-Chair of committee</u>: Shin, S. (March 2016). Word frequency effects on lexical selection: Evidence from a picture-word interference (PWI) task. Dissertation: Department of Communication Science and Disorders, University of Pittsburgh.
- <u>Chair of committee</u>: Chen, S-Z. K. (April 2016). Effects of voice output and dose on augmentative and alternative communication treatment for people with aphasia. Dissertation: School of Health and Rehabilitation Sciences, University of Pittsburgh
- <u>Committee member</u>: Wang, E. (June 2016). A mHealth platform for supporting clinical data integration and service delivery: An example from augmentative and alternative communication intervention. Dissertation: Department of Communication Science and Disorders, University of Pittsburgh.
- <u>Chair of committee</u>: Kovacs, T. (December 2017). Assessing productivity and stimulability of tense and agreement morphemes in typically developing children and AAC speakers. Dissertation: School of Health and Rehabilitation Sciences, University of Pittsburgh

Mentoring
- Molrine, C.J., **Hill, K**.J., & Chiodo, D.N. (2001). *Augmented communicators' narrative retellings: Style and language representation methods.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. New Orleans, Louisiana. November 15-17.
- **Hill, K**., Holko, R., & Romich, B. (2001). *AAC performance: The elements of communication rate.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. New Orleans, Louisiana. November 15-17.
- **Hill, K**., Ramachandran, P., & Romich, B. (2001). *Measuring AAC system selection rate.* Poster presented at the Annual American speech-language-hearing (ASHA) Annual Convention. New Orleans, Louisiana. November 15-17.
- **Hill, K**., Romich, B., LoPresti, E., Spaeth, D., Thiel, J., Creech, R., & Hobson, D. (2001). A survey to support the development of an interface device for integrated control of power wheelchairs, computers, and other devices. In *Proceedings of the*

RESNA '01 Annual Conference. Reno, NV. pp 68-70.

- **Hill, K**., Romich, B., & Thiel, J. (2001). Operational procedures for preparing logfiles for communication rate analysis. In *Proceedings of the RESNA '01 Annual Conference.* Reno, NV. pp 58-60.
- **Hill, K**., & Thiel, J. (2002). *The AAC Institute.* Presented at the Assistive Technology Industry Association (ATIA) Conference. Orlando, Florida.
- **Hill, K**., Romich, B., & Tucci, M. (2002). *AAC Evidence-Based Practice Using Automated Performance Monitoring Tools.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- **Hill, K**., Romich, B., & Saadi, T. (2002). *University AAC Directory: An Internet Resource.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- **Hill, K**., Romich, B., & Ramachandran, P. (2002). *AAC Performance: Elements of Peak Communication Rate.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- **Hill, K**., Romich, B., & Cook, S. (2002). *AAC Performance: The Elements of Average Communication Rate.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- **Hill, K**., Romich, B., & Adamcewicz, K. (2002). *AAC Levels of Evidence Classification.* Poster presented at the American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- Ramachandran, P., & **Hill, K**. (2002). Reliability study of language samples using software to support the transcription of digitized speech AAC systems. In *Proceedings of the RESNA '02 Annual Conference.* Minneapolis, MN. pp 78-80.
- **Hill, K**., Romich, B., Spurk, E., & Yankovich, C. (2003). *AAC interned-based self-study.* Poster presented at the 2003 ASHA Annual Convention, November 2003.
- **Hill, K**., Romich, B., & Spurk, E. (2003). *AAC performance report tool (PeRT).* Poster presented at the 2003 ASHA Annual Convention, November 2003.
- **Hill, K**., Romich, B., & Tucci, M. (2003). *AAC evidence-based practice using performance report tool (PeRT).* Computer lab presented at American Speech and Hearing Association (ASHA) Annual Convention, November 2003.
- Cook, S., & **Hill, K**. (2003). AAC performance data for an individual with amyotrophic lateral sclerosis. In *Proceedings of the 2003 RESNA Annual Conference* [CD-ROM].
- Hill, H., Rupp, T., **Hill, K**., & Tucci, M. (2004). *AAC outcomes and persons with ALS and visual problems.* Poster presented at the 2004 ASHA Annual Convention, Philadelphia, Pa, November 2004.
- **Hill, K**., Spurk, E., & Sunday, J. (2004). *A study of AAC intervention outcomes for a university clinic.* Poster presented at the 2004 ASHA Annual Convention, Philadelphia, Pa, November 2004.
- **Hill, K**., & Spurk, E. (2004) AAC Performance Based on Semantic Organization Schemes Using Dynamic Displays. In *Proceedings of the 2004 RESNA Annual Conference* [CD-ROM].
- Spurk, E., & **Hill, K**. (2004) Frequency of Use of Vocabulary for Individuals Using Dynamic Display Systems. In *Proceedings of the 2004 RESNA Annual Conference* [CD-ROM].
- Gooley, K., & **Hill, K**. (2005). AAC intervention outcomes for individuals with developmental disabilities. Poster presented at the 2005 ASHA Annual Convention. San Diego, CA. November, 2005.
- Romich, B., **Hill, K**., and Graham, K. (2008). Predicting AAC communication rate.

In Proceedings of the RESNA 2008 Annual Conference. Washington DC. [CD-ROM].

- **Hill, K**., and Hayes-Diges, A. (2008). AAC Consumer Protection Policies in an Evidence-Based Practice, Client-Centered Milieu. In Proceedings of the RESNA 2008 Annual Conference. Washington DC. [CD-ROM].
- Todd, J. and **Hill, K** (2007, September). *Gender Differences in Language Samples of Augmentative and Alternative Communication (AAC) Users*, Poster presented at the 2007 Clinical AAC Research Conference, Lexington, KY.
- Graham, K. and **Hill, K**. (2007, September). *A Pilot Study Comparing AAC Vocabulary Usage Patterns Based on User Experience*, Poster presented at the 2007 Clinical AAC Research Conference, Lexington, KY.
- Lin, Y., Chen, M. C., **Hill, K**., Yeh, Y., Ko, C. (2009). Enhancing entry text speed by using an encoding keyboard. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 10-15.
- Kovacs, T. & **Hill, K**. (2009). A proposed method for determining trajectory of learning language on an AAC system for individuals with functional blindness. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 29-33
- Chen, M. C., **Hill, K**., & Yao, T. (2009). Preliminary vocabulary frequency findings for Mandarin Chinese AAC treatments. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 38-43.
- Chen, K., **Hill, K**., McNeil, M., & Pratt, S. (2009). Translating and validating a Mandarin Chinese version of the computerized revised token test. In *Proceedings of the third Clinical AAC Research Conference*. University of Pittsburgh, Pittsburgh, PA. October 1-3, 34-37.
- **Hill, K.**, & Harkawik, R. (2009). *Alternative and Augmentative Communication: Funding Policy Issues*. Paper at the 2009 ASHA Convention, New Orleans, LA, November 18-21, 2010.
- Kovacs, T., & **Hill, K.** (2009). *Review: AAC for Persons with Visual Impairments Varies with Hearing.* Poster at the 2009 ASHA Convention, New Orleans, LA, November 18-21, 2010.
- Chen, K., **Hill, K**. & Chen, M. (2009) Mandarin *Chinese Transcription Procedures to Support AAC Intervention*. Poster at the 2009 ASHA Convention, New Orleans, LA, November 18-21, 2010.
- **Hill, K**., & McEowen, A. (2010). *Comparison of two language softwares used by augmented communicators*. Poster for the Annual ASHA convention. Philadelphia, November 17-20, 2010.
- **Hill, K**., Charlton, K., & Murphy, L. (2010). *Survey results on AAC course content: Trends in teaching evidence on AAC performance potential.* Poster for the Annual ASHA convention. Philadelphia, November 17-20, 2010.
- Chen, K., **Hill, K**., & Chen, M. (2010). *Core Vocabulary Acquisition of a Mandarin Chinese Child*. Poster for the Annual ASHA convention. Philadelphia, November 17-20, 2010.
- **Hill, K**., & Harkawik, R. (2010) *Huntington's disease: Looking beyond typical AAC strategies.* Paper at the Annual ASHA convention. Philadelphia, November 17-20, 2010.
- Kovacs, T., **Hill, K**., & Charlton, K. (2010) *Review of AAC assessment procedure evidence on individuals who are blind*. Poster for the Annual ASHA convention. Philadelphia, November 17-20, 2010.
- **Hill, K**., Kovacs, T., & Harkawik, R. (2010). *Guidelines for language-based AAC evaluations for children who are blind.* Paper at the Annual ASHA convention.

Philadelphia, November 17-20, 2010

- Chen, M., **Hill, K**., & Kovacs, T. (2010). Is word prediction a rate enhancer: Results from a systematic review. In *Proceedings of the 14th Biennial Conference Isaac 2010*. Barcelona, Spain. July 24-29, 2010.
- Chen, K., **Hill, K**., & Chen, M. (2010). Core Vocabulary Acquisition of a Mandarin Chinese Child. In *Proceedings of the 4th Clinical AAC Research Conference*. Iowa City, IA. October 7-9, 2010.
- **Hill, K**. & Kovacs, T. (2010). Integration of AAC Systems Within a Speech Chain Model. In *Proceedings of the 4th Clinical AAC Research Conference*. Iowa City, IA. October 7-9, 2010.
- **Hill, K**., Chen, K.., & Harkawik, R. (2011). From iPad to BCI: AAC interventions for Adults with Degenerative Disorders. In *Proceedings of the Annual RESNA Conference.* Toronto, Canada. June 5-8, 2011.
- Kovacs, T., & **Hill, K**. (2012). "Research on Tactile and Bliss Symbols" - Case example of focus groups in evidence-based AAC research and development: Testing tactile symbol systems. In *Proceedings of the 15th Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.
- Chen, S.Z., & **Hill, K.** (2012). Language Acquisition of a Mandarin Chinese (MC) Child using an AAC System. In *Proceedings of the 15th Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.
- Owni, N.B., & **Hill, K**. (2012). AAC in Malaysia. In *Proceedings of the 15th Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.
- Shin, S., & **Hill, K**. (2012). Korean Studies about Core Vocabulary for the Development of Augmentative and Alternative Communication Tool: A Review. In *Proceedings of the 15th Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.
- Kovacs, T., & **Hill, K**. (2015). *Using Extended Sampling Windows to Obtain Representative Language Samples from AAC Speakers*. Poster submitted for presentation to the American Speech-Language-Hearing Association. Denver, CO, November 12-14, 2015.
- Shin, S., & **Hill, K**. (2015*). Identifying high frequency words in the British National Corpus (BNC) for augmentative alternative communication (AAC) intervention.* Paper submitted for presentation to the American Speech-Language-Hearing Association. Denver, CO, November 12-14, 2015.
- Shin, S., & **Hill, K.** (2015). *Word frequency effect on lexical selection: Evidence from a picture-word interference (PWI) paradigm.* Paper submitted for presentation to the American Speech-Language-Hearing Association. Denver, CO, November 12-14, 2015.
- Chen, SZK., **Hill, K**., Ridenour, T.A., & McNeil, M.R. (2015). *Word learning using an AAC app with different voice output and practice variables.* Paper submitted for presentation to the American Speech-Language-Hearing Association. Denver, CO, November 12-14, 2015.
- Ridenour TA, **Hill K**, Chen SHK. National Heart, Lung and Blood Institute. Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health. *Three Techniques for Rigorous Analysis of Intensive Within-person Experiments*. Bethesda, MD.
- Ridenour TA, **Hill K**, Chen S.-H. K. (2014) Three Techniques for Rigorous Analysis of Intensive Within-person Experiments. Bethesda, MD. Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health (April 2-3, 2014) NIH-sponsored Workshop.
- Chen, S.-H. K., **Hill, K.** Ridenour, T. Sun, K. Su, C. (2014, September). *Intensive

augmentative communication intervention with children with autism in early language transitions. Paper presented at 2014 Clinical AAC Conference, St. Louis, MO.

▪ Kovacs, T., & **Hill, K**. (September 19, 2015). *Elicited imitation and spontaneous language production from BCI users with ALS in home environments*. Paper presented at Clinical AAC Research Conference. Fontbonne University, St. Louis, MO: September 19-20, 2015.

▪ Chen, SHK., **Hill, K**. (September 19, 2015). *Intensive augmentative communication intervention with children with autism in early language transition*. Paper presented at Clinical AAC Research Conference. Fontbonne University, St. Louis, MO: September 19-20, 2015.

▪ Ridenour, TA, **Hill, K**, Chen, S.-H. K. RTI Speaker Series - *Introduction to Idiographic Clinical Trials, Randomized Clinical Trials and the Spaces In Between* (Jan 21, 2015). The North Carolina Translational and Clinical Sciences (NC TraCS) Institute at The University of North Carolina at Chapel Hill.

▪ **Hill, K**., Kovacs, T., & Shin, S. (2014). Reliability of brain-computer interface language sample transcription procedures. *Journal of Rehabilitation Research and Development, 51*(4), 579-590. doi:10.1682/JRRD.2013.05.0102

▪ **Hill, K.**, Kovacs, T., & Shin, S. (2015). Critical issues using brain-computer interfaces for augmentative and alternative communication. *Archives of Physical Medicine and Rehabilitation, 96*(3 Suppl), S8.

▪ Kovacs, T., & **Hill, K.** (2015). A Tutorial on Reliability Testing in AAC Language Sample Transcription and Analysis. *Augmentative and Alternative Communication*, (ahead-of-print), 1-11.

▪ Chen, S.-H. K., **Hill, K.**, Ridenour, T. Sun, K. Su, C. Chen, M.-C. (2015, in press). Feasibility study of short-term, intensive augmentative and alternative communication intervention with Mandarin Chinese speaking children with autism, *Journal of the Speech-Language-Hearing Association of Taiwan*.

▪ Ridenour, T. A., Chen, S.-H. K., Liu H.-Y., **Hill, K.**, Cooper, R. (in review). The Clinical Trials Continuum Illustrated with Nomothetic Statistics to Analyze Idiographic Clinical Trials. *Clinical Psychology Review.*

▪ Shin, S., & **Hill, K**. Korean Word Frequency and Commonality Study for Augmentative and Alternative Communication. *International Journal of Language & Communication Disorders,* Article first published online: 27 Mar 2016. doi:10.1111/1460-6984.12218

Service on Ph.D. Student Thesis Committees

Sangeun Shinn	Communication Science & Disorders	2016
Szu-Han Kay Chen	Rehabilitation Science & Disorders	2016
Erh-Hsuan Reina Wang	Health Information Management	2017
Thomas Kovacs	Communication Science & Disorders	2018
Amanda Maloney	Communication Science & Disorders	Current
Michael O'Leary	Rehabilitation Science & Technology	Current

Service on Post-doctoral Trainee Committees

Ming Chen, Ph.D.	Carnegie Mellon Fellowship Language Technologies Institute	2015
Szu-Han Kay Chen, Ph.D.	Carnegie Mellon Fellowship Language Technologies Institute	2017

Supervision of Graduate Students (2022 & 2023 graduates)

Kayla Adornetto	2022
Nicole Ganow	2022
Megan McKenzie	2022
Gretchen Fleischauer	2023
Isabelle Michaud	2023
Mary Kate Simpson	2023

Note: 3-4 graduate student advisees assigned annually since 2005

Supervision of Post-doctoral Fellows

Ming Chen, Ph.D.	Post-doctorate Fellow	2008, 2009

Funded Laboratory Members (Past/Present)

Thomas Kovacs	2012 – 2013
Sangeun Shi	2012 – 2013
Szu-Han Kay Chen	2015 – 2016
Atsuko Kurosu	2018
Caroline Nicole Witt	2018
Chelsea Woodworth	2019 – 2021
Mike O'Leary	2019 – present
Sarah Wonsidler	2020 – present
Kate Elizabeth Henderson	2020 – present

RESEARCH

CURRENT GRANT SUPPORT

Grant Number	Grant Title	Role in Project	Years Inclusive	Source & Amount
2 SB1 DCO15142-04	Compatibility Between Brain-Computer Interface and High Efficiency Augmentative and Alternative Communication Systems: Commercial Readiness	P.I. 30% effort	2022-2025	NIH Total: $3,408,084.12 Direct: $431,634 Indirect: $362,502
90IFDV0002-01-0	Real World Testing of a Brain-Computer Interface to Operate a Commercial	Co-P.I. 25% effort	2017-2022	NIDILRR Total: $599,992 Direct: $195,284

				Indirect: $105,454
90REGE0016-01-00	Rehabilitation Engineering Research Center on Wireless Technologies for People with Disabilities – Promoting Mainstream Wireless Inclusion through Technology Services (PROMISE)	Co-P.I. 5% effort	2021-2027	NIDILRR Total: $4,600,000 Direct: $39,977 Indirect: $23,429
1UG3NS120191-01	SWITCH trial: Early feasibility study of Stentrod BCI for augmentative communication	Co-P.I. 5% effort	2021-2026	NIH Total: $2,056,909 Direct: $39,971 Indirect: $23,395

PRIOR GRANT SUPPORT

<u>Grant Number</u>	<u>Grant Title</u>	<u>Role in Project</u>	<u>Years Inclusive</u>	<u>Source & Amount</u>
2R41DC015142-01A1 – SUPPLEMENTAL	Compatibility between Brain-Computer Interface and High-Efficiency Augmentative and Alternative Communication Systems	Co-P.I. 25% effort	2021-2022 6 months	NIH / National Institute of Deafness & Communication Disorders (NIDCD) Amount: $272,353
2R41DC015142-01A1	Compatibility between Brain-Computer Interface and High-Efficiency Augmentative and Alternative Communication Systems	Co-P.I. 25% effort	2019-2021 2 years	NIH / NIDCD Amount: $1,068,046
41DC015142-01A1	Compatibility between Brain-Computer Interface and High-Efficiency Augmentative and Alternative Communication Systems	Co-P.I. 25% effort	2017-2018 1 year	NIH / NIDCD Amount: $149,968
N/A	AAC Language Sampling and Performance Measure	P.I. 35% effort	2017-2020 3 years	AAC Institute Foundation / Romich Foundation Amount: $722,458
#567	A Clinical Demonstration of an EEG Brain-Computer Interface for ALS Patients	P.I. 25% effort	2011-2013	Veteran's Administration (VA)

<div align="right">2 years   Amount:
$3,000,000</div>

OTHER RESEARCH RELATED ACTIVITIES

Grant Reviewing

NIDILRR Standing Panel for SBIR-STTR Phase I   2019 - on-going invitation

Journal Refereeing

<u>Guest Editor</u>   September 2015
      ASHA Perspectives SIG-12
<u>Ad Hoc Referee</u>
      ASHA Perspectives
      ASHA Journal of Speech, Language,
      Hearing Research (JSLHR)
      Assistive Technology
      Augmentative and Alternative
      Communication
      Disability and Rehabilitation
      Disability and Rehabilitation: Assistive
      Technology

Patents

1. *Pictorial keyboard with polysemous keys for Chinese Character Output.* Patent #US8862988B2 / EP2137712A4. Bruce R. Baker, Russell T. Cross, Gail M Van Tatenhove, Jutta Herrmann, Bruce Helmbold, Robert V. Conti, Robert T. Stump, **Katharine J. Hill**, Mark A. Zucco. Date of Patent: December 30, 2009.
2. *Visual Screen Displays, Uses Thereof, and Corresponding Apparatus.* Patent #US8577279B2. Bruce R. Baker, **Katya Hill**, Russell T. Cross, Gail M. Van Tatenhove, Bruce Helmbold, Jutta Herrmann, Robert V. Conti, Robert T. Stump, Mark A. Zucco. Date of Patent: November 5, 2013
3. *Apparatus, method and computer readable medium for a multifunctional interactive dictionary database for referencing polysemous symbol.* Patent #US9229925. Baker, B.R., Conti, R.V. Cross, R. T., Kovacs, T. R., Halloran, C.C., Halloran, J., Hershberger, D. H., **Hill, K. J.**, & Read, R.; Date of Patent January 5, 2016
4. *Apparatus, computer readable medium and method for effectively navigating polysemous symbols across a plurality of linked electronic screen overlays, including use of visual indicators.* Patent #US922992. Bruce R. Baker, Robert V. Conti, Russell T. Cross, Thomas R. Kovacs, Cindy C. Halloran, John Halloran, David D. Hershberger, **Katya Hill**, Robert Read. Date of Patent January 5, 2016.

5. *Sequenced Multi-Meaning Tactile Symbols Useable to Produce Synthetic Plural Word Messages Including Words, Phrases and Sentences.* Patent [#US9286884](#). Bruce R. Baker, Robert V. Conti, **Katya Hill**, Thomas Kovacs, Barry Romich. Date of Patent: March 15, 2016.

Copyrights

1. *Early LAM Baseline Inventory.* Copyright, January 2008. **Hill, K**., AAC Institute Press
2. *Core LAM Baseline Inventory.* Copyright, June 2008. **Hill, K**., AAC Institute Press
3. *Japanese Words Strategy.* Copyright, June 2008. Semantic Compaction Systems, Inc.
4. *Mandarin Words Strategy.* Copyright, June 2012. Semantic Compaction Systems, Inc.
5. *Thai Language Semantic Compaction Software Application Program.* Copyright, August 2012. Nectec and K. Hill.
6. *Malay Minspeak Application Program and Development.* Copyright, October 2012. **Hill, K**. & N. Omwi.
7. *Korean Language Minspeak Application Program and Development.* Copyright. October 2012. **Hill, K**. and S-E, Shinn.
8. *Arabic Language Semantic Compaction Program and Development Team.* Copyright. October 2012. Semantic Compaction Systems, Inc.
9. *Mandarin Language Clinical Test and Development.* Copyright. October, 2012. Chen, S-H. K., M. NcNeil, **K. Hill** & S. Pratt.

Software

1. *PeRT 4.0 (Performance Report Tool)* (in alpha testing phase). A computer program for generating the AAC Performance Report. [Computer software]. Pittsburgh, PA: AAC Institute.
2. *PeRT 3.0 (Performance Report Tool) (2013).* A computer program for generating the AAC Performance Report. [Computer software]. Pittsburgh, PA: AAC Institute.
3. *PeRT 2.5 (Performance Report Tool) (2011).* A computer program for generating the AAC Performance Report. [Computer software]. Pittsburgh, PA: AAC Institute.
4. *KeyLAM* 2.2 (2011) A keylogging computer program for monitoring text-entry for a brain computer interfrace (BCI). [Computer software]. Pittsburgh, PA: AAC Institute
5. *KeyLAM* 2.0 (2010) A keylogging computer program for monitoring text-entry. [Computer software]. Pittsburgh, PA: AAC Institute
6. *KeyLAM beta version* (2009) A keylogging computer program for monitoring text-entry. [Computer software]. Pittsburgh, PA: AAC Institute
7. *SSPT (Single Switch Performance Tool).* (2004). [Computer software]. Edinboro, PA: AAC Institute.
8. **Hill, K**., & Romich, B. (2003*). PeRT 1.0 (Performance Report Tool): A computer program for generating the AAC Performance Report*. [Computer software]. Pittsburgh, PA: AAC Institute.

9.   **Hill, K**., & Romich, B. (2003). *U-LAM (Universal Language Activity Monitor): A computer program for collecting AAC language samples.* [Computer software]. Pittsburgh, PA: AAC Institute.
10. **Hill, K**., & Romich, B. (2002*). PeRT beta version (Performance Report Tool): A computer program for generating the AAC Performance Report.* [Computer software]. Pittsburgh, PA: AAC Institute.

CURRENT RESEARCH INTERESTS

Augmentative and Alternative Communication (AAC)
Neurogenic Communication Disorders
Brain Computer Interfaces – EEG, non-invasive
Brain Computer Interfaces – minimally invasive
Language sampling and AAC performance and outcomes measurement
Standardization of performance metrics
Natural Language Processing
Computational Linguistics
Human Computer Interaction / Human Factors Theory
Wireless Technology and assistive technology
Tele-health practice and technology
Disability and Health Care Policy and Service Delivery

INVITED SEMINARS & LECTURESHIPS RELATED TO RESEARCH & CLINICAL PRACTICE

Local Presentations

1.   Pittsburgh Employment Conference for Augmented Communicators on *So you can talk dammit!* Presented with L.Golinker. August 1999.
2.   Pittsburgh Employment Conference for Augmented Communicators on *An ugly fact of life: The abuse of intimacy* presented with R. Seaver
3.   Pittsburgh Employment Conference for Augmented Communicators on *Vocabulary augmented communicators actually use on the job* presented with D. Chappel. August 2003.
4.   Presentation on *AAC assessment: Language first, technology second* to the Annual Pennsylvania Speech-Language-Hearing Association Conference. March, 2005. Pittsburgh, PA.
5.   Presentation on *Is there a barber in the house? Moving toward evidence-based practice* at the SWPSHA (Southwest Pennsylvania Speech Hearing Association) Annual Honors Presentation on April 11, 2006.
6.   **Hill, K.** (2011). Beyond Core Vocabulary for Augmented Communicators. Presentation at Annual Pennsylvania Speech Language Hearing Association (PSHA). Pittsburgh, PA., April 7-9, 2011.
7.   **Hill, K.** (October 25, 2015). Evidence-Based Principles for Selecting Eye Gaze AAC Technology. AAC Institute, Crowne Plaza, Pittsburgh, PA: October 24-25, 2015.
8.   **Hill, K.** (May 5-6, 2016). Evidence-based AAC intervention for school-aged students: Making AAC work in the classroom and community. Bellefonte School District, Pennsylvania.

9.   **Hill, K.** & O'Leary, M. (September 21 & 22, 2017). Building AAC Capacity for students who require AAC intervention in the schools. Bellefonte Area School District, Bellefonte, Pennsylvania

10.   **Hill, K.** & O'Leary, M. (September 28 & 29, 2017). ICAN Talk with My Eyes: AAC and Children with Rett Syndrome. Titusville Area School District. Titusville, Pennsylvania.

11.   **Hill, K.** & Mathewson, Fr. D. (September 30, 2017). A Peaceful Ending: Rehabilitative, Palliative & Hospice Care from an Orthodox Christian Perspective. SS Peter & Paul Orthodox Church, Crossingville, Pennsylvania

12.   *Imagine: Achieving the Goal of AAC across the Lifespan.* Edinboro University of Pennsylvania. April 8, 2019.

13.   *Evidence-based AAC Intervention in the School for a Child with Rhett syndrome.* Titusville Area School District, Pennsylvania. April 12, 2019.

14.   *Environmental Communication Teaching (ECT) as Evidence-based AAC Intervention in the School.* Bellefonte Area School District, Pennsylvania. December 20-22, 2018 and May 21-22, 2019.

Regional Presentations

1.   Presentation on *Augmentative and Alternative Communication* at the State of the Science: Assistive Technology Devices, Walter Reed Army Medical Center, Washington DC May 26, 2006.

2.   Presentation on *Augmentative and Alternative Communication Evidence-based Intervention.* Walter Reed Army Medical Center, Washington DC on April 28, 2007.

3.   **Hill, K.** (2012). *From iPad to Brain Computer Interface (BCI): Making the Right Choice.* Short Course conducted at the 66th Annual Ohio Speech-Language-Hearing Association Convention. Columbus, OH. March 10, 2012.

4.   **Hill, K.** (March 21, 2015). *Exploring challenging access options for clients with ALS: Eye gaze and brain computer interface best practices.* Annual OSHLA Convention. Columbus, OH: March 18-21.

5.   **Hill, K. (**March 21, 2015). *Language Sampling in AAC: Current and Future Best Practice Evidence.* Annual OSHLA Convention. Columbus, OH: March 18-21.

6.   **Hill, K.** & Martin, W. *(*January 7-8, 2016; April 7-8, 2016 & June 7-7, 2016) *Building AAC Capacity for students who require AAC intervention in the schools.* Boones County School District, West Virginia.

National Presentations

1.   Southeast Augmentative Communication (SEACC) Conference on *Achieving Success in AAC: Assessment and Intervention.* October 4-6, 2001. Birmingham, AL.

2.   Presentation on *Collecting Language Samples Using AAC Dynamic Display Systems* to the Biennial Conference of the United States Society for Augmentative and Alternative Communication (USSAAC). 2003. Los Angeles, CA

3.   Annual ASHA Convention on *SGD funding committee findings* presented with D. Wolfenden, L. Ball, C. Hooper, J. Lasker, P. Ourand. November 2004. Philadelphia, PA.

4.   Keynote Address on *Evidence-Based Practice and Assistive Technology* at

Wisconsin State Assistive Technology Conference. March 2005. Eau Clair, WI.

5. Workshop on *Evidence-based outcomes in AAC.* Presented at the Region XI Assistive Technology Conference on July 20-21, 2005. Dallas, TX.
6. Workshop on *Assistive Technology Fundamentals Review Course* at the International Seating Symposium. Orlando, Fl. March 6, 2007.
7. *AAC Evidence-Based Decisions: Optimizing Outcomes Across the Lifespan.* Annual Houston Award Lecture. Houston Association for Communication Disorders, Houston, TX, February 2, 2008.
8. *On the frontlines: Your role in consumer protection.* Keynote speaker at New Mexico Technology Assistance Program annual conference. Albuquerque, NM, March 2, 2010. Hayes.
9. **Hill, K**. (2012). *AAC Assessments: Don't Get Chopped!* Workshop presented at the Annual Indiana Speech-Language-Hearing Association Convention. Indianapolis, IN. March 30, 2012.
10. Ridenour, TA, **Hill, K**, Chen, S.-H. K. RTI Speaker Series - *Introduction to Idiographic Clinical Trials, Randomized Clinical Trials and the Spaces In Between* (Jan 21, 2015). The North Carolina Translational and Clinical Sciences (NC TraCS) Institute at The University of North Carolina at Chapel Hill
11. **Hill, K**. (May 2018). *Theory-based perspectives on speech and language development with respect to AAC use.* Cerebral Palsy Summit on Assistive Technology Innovations for Communication and Mobility. Cerebral Palsy Alliance and National Science Foundation (NSF). San Francisco, CA: May 3-4, 2018
12. Kovach, T., Cross, R., **Hill, K**. and Quinn, E. (2018). *Subjective and objective measures used in an AAC assessment.* Short Course presented at the Annual American Speech Language Hearing (ASHA) Association Convention. Boston, MA. November 15-17, 2018.
13. *Time Matters: Augmentative and Alternative Communication (AAC) Data Logging and Performance.* Seminar presented at the Annual American Speech Language Hearing (ASHA) Association Convention. Orlando, FL. November 21-23, 2019.

International Presentations

1. Lecture Tour on *New Tools for AAC Evidence-Based Practice* in the United Kingdom. May 2004. Rehabilitation Centers in London, Oldham, Oxford, Edinburgh, Cartiff, Birmingham.
2. Lecture Tour on *Evidence-based outcomes in AAC: Get results!* Workshop presentations in the United Kingdom at: Doncaster Gate Hospital, Rothham; Royal College of Speech and Language Therapists, London; University of Central England, Birmingham; SCTCI, WESTMARC Southern General Hospital, Glasgow; Musgrave Park Hospital, Belfast; Central Remedial Clinic, Dublin. June 8-17, 2005
3. Lecture Series on *Evidence-based AAC intervention* and *Evidence-based practice and assistive technology* at the University of Hiroshima and the University of Tokyo, Tokyo, Japan. January 28 - 30, 2006.
4. Presentations on *AAC Clinical Trials and Data Collection* and *AAC Evidence-Based Intervention* at the Specialized Assistive Technology Centre for the Society for the Physically Disabled in Singapore on March 14-17, 2006.
5. Workshops on *Augmentative and Alternative Communication Fundamentals, Augmentative and Alternative Communication Evidence-Based Practice, and*

Augmentative and Alternative Communication Performance Measurement at the inaugural i-CREAT-e. Singapore, April 23-26, 2007.

6. *Augmentative and Alternative Communication Town Hall Meeting* at the Society for the Physically Disabled. Singapore, April 27, 2007.

7. *Applying evidence-based practice to AAC clinical assessment decisions.* Workshop at the 2nd International Convention on Rehabilitation Engineering and Assistive Technology. Bangkok, Thailand, May 13-15, 2008.

8. *Augmentative and alternative communication (AAC) fundamentals.* Workshop at the 2nd International Convention on Rehabilitation Engineering and Assistive Technology. Bangkok, Thailand, May 13-15, 2008.

9. *Assistive technology fundamentals.* May, 2008. Workshop at the 2nd International Convention on Rehabilitation Engineering and Assistive Technology. Bangkok, Thailand, May 13-15, 2008.

10. *Evidence-based AAC Interventions: Getting results!* Workshop presented at the following: National Changhua University, National Taichung University, National Chia-yi University, National Kaohsiung Normal University, and the National Taiwan Normal University in Taipei. May 2009.

11. *AAC across the lifespan* and *AAC & early stages of language development*. Series of university and hospital lectures in Hong Kong, Shanghai and Beijing, China, March 8-19, 2010.

12. **Hill, K**. (2010). *Augmentative and Alternative Communication and Autism.* START Centre, Singapore. June 3-5, 2010.

13. **Hill, K**. & Chen, K (2010). *AAC and Aphasia,* iCREATE 4th international convention for rehabilitation engineering and assistive technology. Shanghai, China, July 21-23, 2010.

14. **Hill, K**. & Chen, K. (2010). *AAC and Individuals with Autism Spectrum Disorder (ASD).* iCREATE 4th international convention for rehabilitation engineering and assistive technology. Shanghai, China, July 21-23, 2010.

15. **Hill, K**. (2011). *Rehabilitation and AAC technology: Establishing the gold standard.* Plenary at International Medicine and Rehabilitation Conference. University of Shanghai TCM, Shanghai, China. March 25-27, 2011.

16. **Hill, K**. (2011). *Beyond participation: Building language competence in school-age children using AAC.* Annual AAC Conference. Chiayi University and Hualian University, Taiwan. May 9-10, 2011.

17. **Hill, K**. (2011). *Beyond participation: Building language competence in school-age children using AAC.* Annual AAC Conference. Hualian University, Taiwan. May12-13, 2011.

18. **Hill, K**. (2011). *Augmentative and Alternative Communication (AAC) Interventions: The Challenge of Evidence-Based Practice for South Korea.* Ewha Woman's University, Seoul, South Korea. May 16, 2011.

19. **Hill, K**., & Chen, K. *Augmentative and Alternative Communication (AAC).* Workshop present at the University of Shanghai TCM. Shanghai, China. July 6 & 7, 2013.

20. **Hill, K**., & Sarah Yong Oi Tsun. *Augmentative and Alternative Communication (AAC) for Healthcare Professionals.* Presentation at the HMDP Workshop hosted by Tan Tock Seng Hospital National University Hospital, Singapore. May 18-24, 2023.

21. **Hill, K**., J. E. Huggins, C. Guger, N. Kosmyna, J. L. Contreras-Vadal, T. Vaughan, G. Fancisco, (2023). *BCI-State-of-the-Art: Demonstrations of BCI Prototypes.* Workshop presented at the 10th International BCI Meeting. Sonian Forest, Brussels, Belgium. June 6-9, 2023

22.   J. E. Huggins, M. Hirata, T. Nakamura, N. Ramsey, M. Vansteensel, **K. Hill**, T. Ball (2023). *Dimensions of Invasiveness, the user's Dilemma*. Workshop presented at the 10th International BCI Meeting. Sonian Forest, Brussels, Belgium. June 6-9, 2023

SERVICE

University and Medical School Service

2006 – 2018	Member – CsCD Committee
	Advisor; mentored projects and clinical activities
2015 – present	Member – Human Engineering Research Lab (HERL)
	Affiliate Faculty
2018 – present	Member – Admissions Committee
	Graduate Program in Communication Science and Disorders, University of Pittsburgh
2020 – present	Member – CSC Concentration Program
	Director of AAC Concentration
2020 – present	Member – Clinical Education Commitee

Diversity, Equity, and Inclusion

Activities

April 2007	Co-moderator – AAC and Vocabulary On-Line Discussion for the Family Center on Technology and Disabilities at http://www.fctd.info/webboard/archive.php.
2016 – 2018 (Summer)	Harris, O. & K. Hill. Graduate student campus exchange visits with mentors between CSD programs and research laboratories at Howard University and the University of Pittsburgh.
2020 – present	Member - CSD Equity, Inclusion and Justice Committee
2023 -	Member - National Black Association for Speech-Language-Hearing (NBASLH). University of Pittsburgh Affiliate Chapter

Presentations
- **Hill, K.,** & Seaver, R. (1998). An ugly fact of life: The abuse of intimacy. In Proceedings of the 7th Annual Pittsburgh Employment Conference (PEC). Pittsburgh, PA. August, 1998
- **Hill, K.** & Fr. D. Mathewson (2017). A Peaceful Ending: Rehabilitative, Palliative & Hospice Care from an Orthodox Christian Perspective. SS Peter & Paul Orthodox Church, Crossingville, Pennsylvania. September 30, 2017.
- **Hill, K.,** Fr. J. T. Gall, & Fr. D. Mathewson (2018). Silence isn't golden: Meeting the spiritual needs of individuals who cannot talk. Workshop presented at the Annual conference of the Orthodox Christian Association of Medicine, Psychology and Religion (OCAMPR). Somerset, NJ. November 8-10, 2018.
- Asato, M., K. Beck, P. Bulova, **K. Hill,** & L. Randall. (2022). *Bridging Communication Challenges and Promoting Health Literacy*. Panel discussion at Addressing Health Disparities: Building Resilience and Capacity in Vulnerable

Communities. UPMC Western Psychiatric Hospital. September 23, 2022.
- Harris, O., **K. Hill**, & M. O'Leary. (2023). *AB-AAC: The future of specialty certification in AAC*. National Black Association for Speech-Language-Hearing (NBASLH). Washington DC. April 20-22, 2023.

Local / Community Service Activities

2013 - present   ICAN Talk AAC Summer Camp
1-week intensive AAC training for young AAC speakers, families and student volunteers in local Pittsburgh community settings

2018 – present   ICAN Talk AAC Summer Camp for Young Adults
1-week intensive AAC training for young adult AAC speakers to build communication competence and self-advocacy skills. Camp includes training for family supports and student volunteers.

National Service

Dates	Role	Organization
1998 – 1999	Vice Chair – Professional Specialty Group (PSG-06) *Speech-Language Pathology/Audiology*	RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
1999 – 2001	Chair – Professional Specialty Group (PSG-06) *Speech-Language Pathology/Audiology*	RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
1999 – 2018	Coordinator - ASHA SID-12 (Augmentative and Alternative Communication) Edwin & Ester Prentke Distinguished Lecture Series for Annual ASHA Convention. Established with Dr. Lyle L. Lloyd and Barry Romich. Created nomination, application, review and acceptance processes for the award.	ASHA (American Speech Language Hearing Association)
2001 – 2002	Member - ALSA Speaks! Task Force	National ALS Association, Calabasas, California
2002 – 2003	Member - ASHA Speech Generating Device (SGD) Committee Deborah Parker Wolfenden-Chair; Celia Hooper – Monitoring Vice President	ASHA (American Speech Language Hearing Association), Rockville, Maryland
2006 – 2009	Chair –Special Interest Group (SIG-03) Augmentative and Alternative Communication	RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
2008 – 2009	Member – Assistive Technology Industry Association and AAC Special Interest	ATIA (Assistive Technology Industry

	Division Chair – ATIA AAC SIG Committee on Funding; 2008 – Jan 2010	Association) and AAC Special Interest Division
August 2009	Member ASHA Division-12 (AAC) SGD Funding Policy Committee	ASHA (American Speech Language Hearing Association),
2009 – 2010	Chair - RESNA Special Interest Groups (SIGs) Restructuring Committee	RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
2017 – present	Chair - American Board for AAC Specialty Certification (AB-AAC) Establishing specialty certification for AAC clinical services ASHA members	American Board for AAC Specialty Certification (AB-AAC)

International Service

2006 – 2008	Invited Member – Global Initiative for Inclusive Technologies (G3ict), United Nations, New York, NY
2015 – present	Committee Member – *International* Clinical Augmentative and Alternative Communication Research Conference (CAAC) Founder and CAAC Steering Committee member Chair – 2009 CAAC Research Conference in Pittsburgh, PA Coordinator for AAC Institute CAAC Student Scientific Paper competition
2008 – 2010	Member - Assistive Technology Industry Association (ATIA) and AAC Special Interest Division Chair – ATIA AAC SIG Committee on Funding (2008 – Jan 2010)
2014 – 2020	Co-Director - International Data Logging Consortium with Carnegie Mellon University