



# CURRICULUM VITA

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## EDUCATION

May 1976	B.A. Speech & Hearing Summa Cum Laude	Edinboro State College
May 1980	M.A. Speech Pathology	Edinboro State College
May 1996	Post Graduate Studies Educational Psychology School Administration	Edinboro University of Pennsylvania
April 2001	Doctor of Philosophy	University of Pittsburgh School of Rehabilitation Sciences and Technology

## ACADEMIC AND RESEARCH APPOINTMENTS

January 2018 - Present	HERL Affiliate Faculty Human Engineering Research Laboratories (HERL), University of Pittsburgh
September 2012 - Apr 2016	Adjunct Professor Department of Special Education National Chiayi University, Taiwan
January 2013 - Apr 2015	Research Associate - WOC VA Pittsburgh Healthcare System / Speech Pathology and Audiology Service
September 2011 - Jan 2013	Research Health Scientist VA Pittsburgh Healthcare System / Speech Pathology and Audiology Service
November 2010-2016	Adjunct Professor Rehabilitation Medicine School Shanghai University of T.C.M., Shanghai, China
August 2010	Associate Professor – Secondary Appointment Department of Rehabilitation Sciences and Technology, University of Pittsburgh
January 2007-2011	Research Associate - WOC VA Pittsburgh Healthcare System / Speech Pathology and Audiology Service
March 2006	Graduate faculty appointment School of Health and Rehabilitation Sciences, University of Pittsburgh
September 1, 2005	Associate Professor Department of Communication Science and Disorders, University of Pittsburgh
March 2004	Tenure awarded (spring semester),

Department of Speech and Communication Studies  
Edinboro University of Pennsylvania

August 1999 -  
August 2005      Assistant Professor  
Department of Speech and Communication Studies  
Edinboro University of Pennsylvania

1997-1999      Research Associate  
Department of Rehabilitation Science and Technology, University of Pittsburgh

Winter 1997      Adjunct faculty  
Mercyhurst College, Erie, Pennsylvania

Spring 1996      Part-time Instructor  
Edinboro University of Pennsylvania

Spring 1993      Assistant Instructor  
Gannon University @ Regional Computer Resource Center

Spring 1988      Part-time Instructor  
Edinboro University of Pennsylvania

### **CLINICAL APPOINTMENTS AND EXPERIENCE**

January 2021      Augmentative Communication Program (ACP)  
UPMC Center for Assistive Technology (CAT)  
3600 Forbes Ave, Pittsburgh, PA  
Director

2017-present      UPMC ALS Clinic, Pittsburgh, PA  
Speech, Language, AAC services

2010-present      ICAN™ Talk Clinics *of the AAC Institute*, Pittsburgh, PA  
Executive Director; Clinical Director

2006- 2009      Center for Assistive Technology (CAT)  
UPMC (University of Pittsburgh Medical Center)

1999-2005      Center for Assistive Technology Education and Research (CATER)  
Edinboro University of Pennsylvania

1978-1997      Northwest Tri-County Intermediate Unit #5  
Edinboro, Pennsylvania

1990-1997      Assistive Technology Program Coordinator

1984-1990      Local Augmentative Communication Specialist & Assistive  
Technology Program Coordinator

1980-1984      Speech-Language-Hearing Program Consultant

1978-1984      Project Support

1979-1997      Clinical Supervisor/Cooperating Teacher  
Pennsylvania State University System

### **PROFESSIONAL CERTIFICATION**

American Speech-Language-Hearing Association: Certificate of Clinical Competence in Speech Pathology  
(CCC-SLP) #00836627

Pennsylvania State Speech Language Pathologist License #SL006059L  
Ohio State Speech Language Pathologist License #SP.9580

#### Pennsylvania State Educational Certification

- Pennsylvania Instructional II Certificate: Speech Correction
- Pennsylvania Supervisory I Certificate: Supervisor Special Education
- Pennsylvania Administrator I Certificate: Elementary Principal
- Pennsylvania Administrator I Certificate: Secondary Principal

#### PROFESSIONAL MEMBERSHIPS

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

Pennsylvania Speech Language Hearing Association (PSHA)

Southwest Pennsylvania Speech Language Hearing Association (SWPSHA)

Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)

Brain Computer Interface (BCI) Society

Orthodox Christian Association of Medicine, Psychology, and Religion (OCAMPR)

#### PROFESSIONAL AWARDS

2017 Clinical Achievement Award from the ASHA Foundation presented at the 2017 American Speech Language Hearing Association Convention, November 9, 2017.

2017 State Clinical Achievement from the Pennsylvania State Speech Language Hearing Association (PSHA) presented in Harrisburg, PA. March 31, 2017

Honors of the Department of Veterans Affairs for Certificate of Appreciation for meritorious service within the VA Cooperative Studies Program, 2013

Honors of the International Society for Augmentative and Alternative Communication (ISAAC). Certificate of appreciation, August 2012.

Honors of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Certificate of Appreciation, June 2010.

Honors of the Department of the Army, Walter Reed Army Medical Center, Certificate of Appreciation, 2008.

Honors of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Certificate of Appreciation, June 2006.

Honors of the Department of the Army, Walter Reed Army Medical Center, Certificate of Appreciation, 2006.

#### RESEARCH CONTRACTS & GRANTS

##### Current

National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR):

90IFDV0002-01-00

9/1/2017 –

*Real World Testing of a Brain-Computer Interface to Operate a Commercial Augmentative and Alternative Communication System.* The goal of this three-year project is to develop a new AAC-BCI device with innovative resources to improve the delivery and quality of AAC services available to individuals and their families dealing with minimal movement due to amyotrophic lateral sclerosis (ALS), brain stem strokes, severe cerebral palsy, or traumatic brain injury (TBI). The **objectives** are: 1) to test an AAC-BCI prototype that advances the effectiveness of current BCI communication; 2) to improve the procedures and tools used for a comprehensive assessment to provide practitioners with clinical evidence to support

funding for an AAC-BCI; and 3) to improve the provision of in-home training and treatment required for successful daily communication using an AAC-BCI.

**Role:** Co-PI

National Institutes of Health (NIH): Hill (PI) 9/1/2019 –  
2R41DC015142-01A1

Compatibility between Brain-Computer Interface and High-Efficiency Augmentative and Alternative Communication Systems. The long-term goal of this STTR Phase II is to create BCI access to all the functions of an existing commercial AAC system to provide high-efficiency functional communication to people whose physical impairments make BCI the most effective means of interacting or communicating with the world. Such a system would allow an individual with a degenerative disease to start using AAC software on a tablet with touch-screen access and maintain access to that communication software as their condition progresses to the point where they need BCI access. Upon complete of the two-year Phase II effort, application for a two-year Phase II-b clinical trial study will be submitted.

**Role:** Co-PI

National Institutes of Health (NIH): Hill (PI) 9/1/2017 –8/31/2019  
1R41DC015142-01A1

Compatibility between Brain-Computer Interface and High-Efficiency Augmentative and Alternative Communication Systems. The long-term goal of this STTR Phase I is to create BCI access to all the functions of an existing commercial AAC system to provide high-efficiency functional communication to people whose physical impairments make BCI the most effective means of interacting or communicating with the world. Such a system would allow an individual with a degenerative disease to start using AAC software on a tablet with touch-screen access and maintain access to that communication software as their condition progresses to the point where they need BCI access. Upon complete of the six month Phase I effort, application for a two-year Phase II study will be submitted.

**Role:** Co-PI

AAC Institute Hill (PI) 3/1/2017-3/31/2018-2020

*AAC Language Sampling and Performance Measurement.* The goal of this project involves the collection of language samples from individuals using AAC technology to measure the achieved performance across a range of AAC technology and the various disabilities associated with individuals who rely on AAC as their primary means of communication. This study will compare language sampling contexts (picture description, story retell, interview) and report achieved performances across each context. The study aims to established standards in logfile and video recording procedures for language sample analysis.

**Role:** PI

AAC Institute Hill (PI) Ongoing since 2001-2018

*Language Activity Monitoring (LAM) and Performance Tools and Resource Development* efforts were transferred to the AAC Institute for ongoing research related to analysis and reporting software and database management of AAC LAM logfiles. This effort is ongoing and has resulted in the release and update versions of the Performance Report Tool (PeRT), Universal Language Activity Monitor (ULAM), and KeyLAM, a software program for computers and computer-based AAC systems, and the Performance Report Library (PeRL), a database of AAC performance based on LAM data and PeRT reports.

**Role:** PI

### **Completed Research Support**

CSP #567 Ruff, Wolpaw, Bedlack (Co-proponents) 01/2012 – 05/2013

*A Clinical Demonstration of an EEG Brain-Computer Interface for ALS Patients.* The goal of this Veteran's Administration project is quantify and describe the impact of BCI technology on the VA health care system. A major outcome measure is to quantify and describe BCI usage by and impact on the ALS patient by the analysis and reporting of LAM logfiles of daily BCI usage and communication.

**Role:** PI @ VAPHS

University of Pittsburgh/AACI McNeil (PI) 09/01/2005-5/01/2014

The goal of the *AAC Research and Capacity Building* supported by the AAC Institute is to build AAC related coursework, graduate level research, and international partners collaborating with AAC-related academic development and translational research projects. AAC translational research and development and clinical projects include international efforts in Japan, Taiwan, Singapore, Thailand, and China.

**Role:** Faculty

National Institutes of Health: 1 R43 DC04246-01 Romich (PI) 09/01/1999-03/31/2000  
The goal of this SBRI Phase I project was to explore the feasibility of language activity monitoring (LAM) as an add-on component to synthesized voice output AAC systems. The results led to the development of a standardized clinical logfile format, an add-on LAM device, built-in data logging feature, LAMterm software for computer uploading of logfiles, technology transfer of the LAM tools to the AAC Institute for future research and development of LAM analysis tools and clinical resources.

**Role:** Co-Investigator

National Institutes of Health: 1 R43 DC04472-01 Indermuhle (PI) 09/01/2000 to 08/31/2001  
The goal of this SBIR Phase I project was to explore the feasibility of a language activity monitoring function for digitized voice output AAC systems. The results led to the development of a built-in DLAM function and universal LAM (ULAM) software to collect logfile data from both digitized and synthesized voice output AAC systems as well as keyboard and spoken input.

**Role:** Co-Investigator

University Senate Research Committee grant, Edinboro University of Pennsylvania for \$1,200 awarded on November, 30, 2003 Dr. Katharine Hill for the proposal titled: *Pilot Study on Fitts' Law and AAC Communication Rate*.

Sponsored research from Fall 2001 to Spring 2004 between Edinboro University of Pennsylvania and Prentke Romich Company for \$30,000 (25% release time) annually to conduct research activity at the Center for Assistive Technology Education and Research (CATER).

University Senate Research Committee grant, Edinboro University of Pennsylvania for \$870.27 awarded on November, 30, 1999 to Charlotte Molrine and Katharine Hill for the proposal titled: *Cultural Stylist Differences in Adult Narrative Retellings: A Decision-Making Paradigm*.

## SCHOLARSHIP / PUBLICATIONS

### PATENTS

*System and Method for Effectively Navigating Polysemous Symbols Across a Plurality of Linked Electronic Screen Overlays*; Baker, Kovacs, Witkowski, Hershberger, Cross, Halloran, Halloran, and Hill, provisional patent filed 2012.

*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 #9336198. 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.; Filed 2103; Date of Patent May 10, 2016.

*Apparatus, method and computer readable medium for a multifunctional interactive dictionary database for referencing polysemous symbol*. Patent #9229925. 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.; Filed 2013; Date of Patent January 5, 2016

*Apparatus, computer readable medium and method for effectively using visual indicators in navigating polysemous symbols across a plurality of linked electronic screen overlays*. Patent #9208594. 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. Files 2013; Date of Patent December 8, 2015.

*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 #922992. M 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.; Filed 2103; Date of Patent January 5, 2016.

*Multiple Meaning, Sequenced Tactile Symbols*. Provisional Patent Application in process.

*Visual Screen Displays, Uses Thereof, and Corresponding Apparatus.* Provisional Patent Application:#8466-000008 US/PS1 approved.

*Developing an appropriate icon set for a Mandarin Augmentative Communication System.* Provisional Patent Application: 8466-000007/US/PS1 approved.

## **COPYRIGHTS**

*Early LAM Baseline Inventory.* Copyright January 2008.

*Core LAM Baseline Inventory.* Copyright June 2008.

*Malay Minspeak Application Program and Development.* Copyright October 2012.

*Korean Language Minspeak Application Program and Development.* Copyright October 2012

*Arabic Language Semantic Compaction Program and Development Team.* Copyright October 2012.

*Mandarin Language Clinical Test and Development.* Copyright October, 2012.

*Thai Language Semantic Compaction Software Application Program.* Copyright August, 2012.

## **SOFTWARE**

*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.

*PeRT 3.0 (Performance Report Tool) (2013).* A computer program for generating the AAC Performance Report. [Computer software]. Pittsburgh, PA: AAC Institute.

*PeRT 2.5 (Performance Report Tool) (2011).* A computer program for generating the AAC Performance Report. [Computer software]. Pittsburgh, PA: AAC Institute.

*KeyLAM 2.2 (2011)* A keylogging computer program for monitoring text-entry for a brain computer interface (BCI). [computer software]. Pittsburgh, PA: AAC Institute

*KeyLAM 2.0 (2010)* A keylogging computer program for monitoring text-entry. [computer software]. Pittsburgh, PA: AAC Institute

*KeyLAM beta version (2009)* A keylogging computer program for monitoring text-entry. [computer software]. Pittsburgh, PA: AAC Institute

*SSPT (Single Switch Performance Tool).* (2004). [Computer software]. Edinboro, PA: AAC Institute.

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.

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.

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.

## **CHAPTERS AND BOOKS**

**Hill, K.** (in review). AAC and Cerebral Palsy. In: Hall, N., J. Juengling-Sudkamp, M. L. Gutmann, and E. R. Cohn. *Fundamentals of AAC: A Case-Based Approach to Enhancing Communication.* Plural Publishing, Co.

**Hill, K.** (in review). Ethical Vendor Relationships. In: Hall, N., J. Juengling-Sudkamp, M. L. Gutmann, and E. R. Cohn. *Fundamentals of AAC: A Case-Based Approach to Enhancing Communication*. Plural Publishing, Co.

**Hill, K.** (2019). Tele-AAC principles, practices and language activity monitoring. In: Hall N., Juengling, J., Gutmann, M., Cohn, E. *Tele-AAC: Augmentative and Alternative Communication through Telepractice*. San Diego, CA: Plural Publishing, Inc.

Ball, L. J. & **Hill, K.** (2017). Augmentative and alternative communication and voice products and technologies. In A. M. Jetter, C. M. Spicer & J. L. Flaubert (eds.). *The promise of assistive technology to enhancer activity and work participation*. Washington DC: The National Academies Press, Washington DC. (pp. 209-310).

**Hill, K.** (2017). The role speech language pathologists in assistive technology assessments . In M. J. Scherer & S. Federici (Eds.) *Assistive technology assessment: A handbook for professionals in disability, rehabilitation and health professions* (2nd Edition). London, UK: Taylor & Francis Group.

**Hill, K.,** & Corsi, V. (2013). Il ruolo dei patologi del linguaggio nella valutazione delle tecnologie assistive. In S. Federici & M. J. Scherer (Eds.), *Manuale di valutazione delle tecnologie assistive* (pp. 315-342). Milano, IT: Pearson. ISBN: 9788865181362

**Hill, K.** & Corsi, V. (2012). The role speech language pathologists in assistive technology assessments . In M. J. Scherer & S. Federici (Eds.) *Assistive technology assessment: A handbook for professionals in disability, rehabilitation and health professions* (pp. 301-336). London, UK: Taylor & Francis Group.

**Hill, K.,** Romich, B., & Vanderheiden, G. (2010). Augmentative Communication in *The Biomedical Engineering Handbook third edition*. Bronzino, J.D. (editor). Boca Raton, FL: CRC Press.

**Hill, K.** (2010). Autism, Communication and AAC. In B. Davis & K. L. Simmons (Eds.) *Autism tomorrow: The complete guide to helping your child thrive in the real world*. Seattle, WA: Autism Today.

Cooper, R. A., Roberts, B. R., Cooper, R. **Hill, K.,** Karg, P. Karmarkar, A., Lane, A. K., Little, R. & Pelleschi, T. L. (2009). Seating, assistive technology, and equipment. In J. Stein, R. L. Harvey, R. F. Macko, C. J. Winstein, & R. D. Zorowitz (Eds.) *Stroke Recovery and Rehabilitation* (pp. 543-568). New York, NY: Demos Medical Publishing.

**Hill, K.** (2008) Augmentative and alternative communication. In *Assistive Technology RESNA Fundamentals Course*. E. Trefler (Ed.). University of Pittsburgh On-line Course, Pittsburgh, PA.

**Hill, K.,** Baker, B. & Romich, B. (2006). Augmentative and Alternative Communication (AAC) Technology in *Introduction to Rehabilitation Engineering*. Cooper, R., Ohnabe, H. & Hobson, D. (editors). London: Institute of Physics Publishing.

Romich, B., Vanderheiden, G., & **Hill, K.** (2005). Augmentative Communication in *The Biomedical Engineering Handbook third edition*. Bronzino, J.D. (editor). Boca Raton, FL: CRC Press.

Romich, B., Vanderheiden, G., & **Hill, K.** (2001). Augmentative Communication in *The Biomedical Engineering Handbook third edition*. Bronzino, J.D. (editor). Boca Raton, FL: CRC Press.

## PEER-REVIEWED JOURNALS AND PUBLICATIONS

**Hill, K.,** Huggins, J. and Woodworth, C. (early view). Focus group results from interprofessional practitioners on the design features and services for an Augmentative and Alternative Communication-Brain-Computer Interface device. *Physical Medicine and Rehabilitation*.

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.

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/WNL0000000000005812

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.

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*.

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.

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*

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.

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.

Chen, M.-C., Chen, S.-H. K., **Hill, K.** (2016) A Four-win AAC Camp: AAC intervention through a AAC summer camp. *Yun-Jia Special Education*. 22, 17-25  
(從一個四贏的輔助溝通系統使用者夏令營談輔助溝通介入服務,雲嘉特教)

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

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

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.

**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.

**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

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*.

Chen, SZ. K., **Hill, K.**, 孙克兴, & 褚立希 (June, 2012). 以语言为基础的辅助沟通系统评估模式 (Language-Based Augmentative and Alternative Communication Assessment and Intervention Model (review)). *Chinese Journal of Rehabilitation Theory Practice*, 18(6). DOI: 10.3969/j.issn.1006-9771.2012.06.000.

**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.



**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

陳明聰, **Hill, K.** (December, 2009). 利用系統化文獻分析蒐集外在實證 (Collecting external evidence through systematic review). *Special Education Quarterly* (in Chinese).

**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.

**Hill, K.** (2006). A case study model for augmentative and alternative communication. *Assistive Technology Outcomes and Benefits*, 3(1).

**Hill, K.** (2004). AAC evidence-based practice and language activity monitoring. *Topics in Language Disorders: Language and Augmented Communication*, 24, 18-30.

**Hill, K.** (2004). Augmentative and alternative communication. *Journal of Life Care Planning*, 2(4), 195-204.

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

**Hill, K., & Romich, B.** (2002). AAC evidence-based clinical practice: A model for success. Edinboro, PA: AAC Institute Press. 2(1), 1-6.

**Hill, K., & Romich, B.** (2001). A language activity monitor for supporting AAC evidence-based clinical practice. *Assistive Technology*, 13, 12-22.

**Hill, K.** (2001). Achieving success in AAC: Assessment and intervention. Edinboro, PA: AAC Institute Press. 1(1), 1-6.

**Hill, K., & Romich, B.** (1999). Choosing and using augmentative communication systems. Part III: Assessment, intervention and resources. *Exceptional Parent*. December. pp 45-49.

**Hill, K., & Romich, B.** (1999). Choosing and using augmentative communication systems. Part II: AAC success stories: Making the rules of commitment work. *Exceptional Parent*. November. pp 60-67.

**Hill, K., & Romich, B.** (1999). Choosing and using augmentative communication systems. Part I: The goal, the team and AAC rules of commitment. *Exceptional Parent*. October. pp 76-80

**Hill, K.J., Yankovich, C., & Forcucci, R.** (1980). The competencies of special education professionals in performing hearing aid maintenance checks. *Pennsylvania Journal of Speech-Language & Hearing*.

## REVIEWED PROCEEDINGS

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.

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

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.

Hill, K. (2012). AAC Outcomes and Performance Measurement to Support Clinical Decisions. In *Proceedings of the 15<sup>th</sup> Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.

Hill, K., & Taylor, G. (2012). AAC Consumer Protection Policies: Evidence and Advocacy. In *Proceedings of the 15<sup>th</sup> 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 15<sup>th</sup> Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.

Owini, N.B., & Hill, K. (2012). AAC in Malaysia. In *Proceedings of the 15<sup>th</sup> 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 15<sup>th</sup> Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.

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 15<sup>th</sup> Biennial of ISAAC*. Pittsburgh, PA, July 30-August 2, 2012.

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.

Hill, K., & Huggins, J. (2011). Brain-Computer Interfaces, Ready or Not. In *Proceedings of the Annual RESNA Conference*. Toronto, Canada. June 5-8, 2011.

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

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

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

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

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- 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.
- 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.

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

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## **PROCEEDINGS**

Tenny, C. L., & Hill, K. (2010). AAC speakers and the lexicon-grammar-phonetics interface in speaking errors. In *Proceedings of the Georgetown Linguistics Society 2010 Conference*. Georgetown University, Washington, D.C., February 12-14, 2010

Tenny, C. L., & Hill, K. (2010). AAC English-speakers using an engineered word user interface. In *Proceedings of the CUNY Conference on the Word in Phonology*. New York, NY, January 12-14, 2010.

Hill, K. (2006). AAC Evidence-Based Decisions – 4 Steps toward Better Outcomes. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.

Hill, K. & Romich, B. (2006) AAC Language Sampling Yields the Best Results. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.

Romich, B. & Hill, K. (2006). AAC Service Delivery Software and Resources. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.

Hill, K. (2005). AAC assessment: Children and adults with developmental disabilities. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.

- Romich, B. & Hill, K., Liffick, B. (2005). Free software for measuring single switch use performance. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.
- Romich, B. & Hill, K. (2005). AAC Performance: The Human Factors Impact. In *Proceeding for Technology and Persons with Disabilities, California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K., & Chapple, D. (2003, August). Vocabulary augmented communicators actually use on the job. In *Proceedings of 2003 Pittsburgh Employment Conference for Augmented Communicators (PEC)*.
- Hill, K. (2003). Evidence at the personal level: AAC automated performance measurement. In *Proceedings of the 2003 AAC Institute Symposium*. Pittsburgh, PA.
- Hill, K., Romich, B., & Cook, S. (2003, March). Asking the right questions for evidence based practice and people with ALS. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K. (2002). Achieving success: Taking a new look at AAC assessment. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K., & Romich, B. (2002). Rights and privacy in AAC evidence-based clinical practice. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K., & Romich, B. (2002). New clinical tools and methods to support AAC evidence-based practice. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K. (2001). Achieving success in AAC: Assessment and intervention. In *Proceedings of the Southeast Augmentative Communication (SEACC) Conference*. Birmingham, AL.
- Hill, K., & Romich, B. (2001). Putting language back into AAC practice. In *Proceedings of the Southeast Augmentative Communication (SEACC) Conference*. Birmingham, AL.
- Hill, K., & Romich, B. (2001) Clinical summary measures for characterizing AAC performance. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K., & Romich, B. (2001) AAC best practice using Language Activity Monitoring. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
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- Baker, B., Hill, K., & Devylder, R. (2000). Core vocabulary is the same across environments. In *Proceeding for Technology and Persons with Disabilities. California State University, Northridge (CSUN)*. Los Angeles, CA.
- Hill, K., & Romich, B. (1999). AAC automated language activity monitoring. In *Proceedings of the Third Annual Mission Possible: Building Bridges with Assistive Technology Conference*. Aurora, CO. November.
- Romich, B., & Hill, K. (1999). AAC language representation issues. In *Proceedings of the Third Annual Mission Possible: Building Bridges with Assistive Technology Conference*. Aurora, CO. November.

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.

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.

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.

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.

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.

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.

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.

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.

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.

Hill, K.J., & Boylan, J. (1996). Having a real good time at camp: 1<sup>st</sup> AAC camp at EUP. In *Proceedings of the Annual Minspeak Conference*. Wooster, Ohio.

Hill, K., & Whiteman, J. (1995). ATAC: Formation of a regional assistive technology advisory council. In *Proceedings of the Annual Minspeak Conference*. Wooster, Ohio.

## **INVITED PRESENTATIONS AND WORKSHOPS**

*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.

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

*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.

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

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.

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

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

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.

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

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.

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.

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

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.

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. (October 25, 2015). *Evidence-Based Principles for Selecting Eye Gaze AAC Technology*. AAC Institute, Crowne Plaza, Pittsburgh, PA: October 24-25, 2015.

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

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.

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

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.

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

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.

Hill, K. (2011). *Beyond Core Vocabulary for Augmented Communicators*. Presentation at Annual Pennsylvania Speech Language Hearing Association (PSHA). Pittsburgh, PA., April 7-9, 2011.

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.



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.

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

*Augmentative and Alternative Communication and Autism*. START Centre, Singapore. June 3-5, 2010.

*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.

*On the frontlines: Your role in consumer protection*. Keynote speaker at New Mexico Technology Assistance Program annual conference. Albuquerque, NM, March 2, 2010. Hayes

*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.

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

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

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

*AAC Evidence-Based Decisions: Optimizing Outcomes Across the Lifespan*. Annual Houston Award Lecture. Houston Association for Communication Disorders, Houston, TX, February 2, 2008.

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

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.

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

Workshop on *Assistive Technology Fundamentals Review Course* at the International Seating Symposium. Orlando, Fl. March 6, 2007.

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.

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.

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.

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.

Workshop on *Evidence-based outcomes in AAC*. Presented at the Region XI Assistive Technology Conference on July 20 and 21. Dallas, TX.

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.

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). Los Angeles, CA.

Presentation on *AAC assessment: Language first, technology second* to the Annual Pennsylvania Speech-Language-Hearing Association Conference. March, 2005. Pittsburgh, PA.

Keynote Address on *Evidence-Based Practice and Assistive Technology* at Wisconsin State Assistive Technology Conference. March 2005. Eau Clair, WI.

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

Lecture Tour on *New Tools for AAC Evidence-Based Practice* in the United Kingdom. May 2004. Rehabilitation Centers in London, Oldham, Oxford, Edinburgh, Cardiff, Birmingham.

Pittsburgh Employment Conference for Augmented Communicators on *Vocabulary augmented communicators actually use on the job* presented with D. Chappel. August 2003.

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

Pittsburgh Employment Conference for Augmented Communicators on *An ugly fact of life: The abuse of intimacy* presented with R. Seaver and *So you can talk dammit!* Presented with L. Golinker. August 1999.

## **CONFERENCE PRESENTATIONS**

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.

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.

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.

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

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.

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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.

- 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, 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.
- 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.
- 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.
- Kovacs, T., & Hill, K. (2013). Acquisition of auxiliary syntax in twins using AAC. Paper submitted to the 7<sup>th</sup> Clinical AAC Research Conference. Indiana University, Bloomington, IN. September 27-28, 2013.
- 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 7<sup>th</sup> Clinical AAC Research Conference. Indiana University, Bloomington, IN. September 27-28, 2013.
- Hill, K., & Chen, SZ. K. (2013). *Evidence-based Practice (EBP) in Communication and Swallowing Disorders: Case-Based Examples*. 4<sup>th</sup> China International Conference of Speech Therapy. Yichang, P R., China. June 28-30, 2013.
- Chen, SZ. K., & Hill, K. (2013). Augmentative and alternative communication (AAC) intervention and children with autism. 4<sup>th</sup> China International Conference of Speech Therapy. Yichang, P R., China. June 28-30, 2013.
- Hill, K. (2012). *Performance and outcome measurement to support AAC research and development*. Paper at the 6<sup>th</sup> Clinical AAC Research Conference. St. Louis, MO. September 28-30, 2012
- Kovacs, T., & Hill, K. (2012). *Characterizing the needs of AAC speakers who may benefit from tactile icons: An evidence-based R&D project*. Paper at the 6<sup>th</sup> Clinical AAC Research Conference. St. Louis, MO. September 28-30, 2012
- Chen, SZ. K., & Hill, K. (2012). *Performance outcomes and clinical issues of language acquisition of a Mandarin Chinese (MC) child using an AAC system*. Paper at the 6<sup>th</sup> Clinical AAC Research Conference. St. Louis, MO. September 28-30, 2012
- Hill, K. (2012). *Data Collection in AAC: Gathering Performance and Outcomes Evidence*. Paper at the ATIA conference. Orlando, FL. January 26-28, 2012.
- Hill, K., & Harkawik, R. (2012). *The iPad Phenomena: What's Not Being Said!* Orlando, FL. January 26-28, 2012.
- Hill, K., & Chen, S-H. (2011). *Vocabulary frequency of AAC Chinese Speakers using a Manual Board*. Paper at the Annual ASHA convention. San Diego, CA. November 17-20, 2011
- Hill, K., & Harkawik, R. (2011) Tools and Resources to Conduct Comprehensive AAC Assessments. Paper at the Annual ASHA convention. San Diego, CA. November 17-20, 2011
- Kovacs, T. & Hill, K. (2011). *A framework to identify SGD user and control interface features*. Paper at the Annual ASHA convention. San Diego, CA. November 17-20, 2011
- Hill, K. & Harkawik, R. (2011). *SGD funding requests and denials: Effective use of evidence*.

- Presentation at the 2011 Assistive Technology Industry Association (ATIA) Conference. Orlando, FL. January 26-29, 2011.
- Hill, K. (2011). *Evidence-based principles for selecting eye-gaze technology*. Presentation at the 2011 Assistive Technology Industry Association (ATIA) Conference. Orlando, FL. January 26-29, 2011.
- 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
- 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., & Harkawik, R. (2010) *Huntington's disease: Looking beyond typical AAC strategies*. Paper at 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., 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.
- 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.
- Harkawik, R., & Hill, K. (2010). SGD funding requests and denials: Effective use of evidence. Presentation at the 2010 Assistive Technology Industry Association (ATIA) Conference. Chicago, IL, October 28-30, 2010.
- Hill, K. (2010). Matching children and AAC: Collecting evidence on language competence. Presentation at the 2010 Assistive Technology Industry Association (ATIA) Conference. Orlando, FL, January 28-31, 2010.
- 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 for the Annual ASHA convention. New Orleans, November 18-21, 2010.
- Chen, K. & Hill, K. (2009). *Mandarin Chinese transcription procedures to support AAC intervention*. Poster for the Annual ASHA convention. New Orleans, November 18-21, 2010.
- Hill, K. (2009). Matching children and AAC: Collecting evidence on language competence. Presentation at the 2009 Assistive Technology Industry Association (ATIA) Conference. Chicago, IL, October 29-31, 2009.
- Hill, K. (2008). *AAC research potholes: Avoiding hazards in the road*. Presentation at the RESNA 2008 Annual Conference. Washington DC, June 26-30, 2008.
- Hill, K. and Scherer, M. (2008). Matching persons and technology: Data-driven AAC assessments. 23rd Annual International Conference on Technology and Persons with Disabilities. Los Angeles, CA. March 12-15, 2008.
- Capilouto, G., Hill, K., & Loncke, F. (2007) *AAC Clinical Research: Using Single Subject Research and Case Studies for Evidence*. Workshop at the 2007 RESNA Annual Conference. Phoenix, Az. June 15-19.
- Huer, M.D., & Hill, K. (2007). *AAC and the Rights and dignity of Persons with Disabilities*. Workshop at the 2007 RESNA Annual Conference. Phoenix, Az. June 15-19.
- Hill, K., Romich, B. & Hurd, R. (2007). *Family and Consumer Perceptions of AAC Evidence-Based Practice*. Poster at the 8<sup>th</sup> Annual Conference of the ASHA Division on AAC. Atlanta, GA. February

Hill, K., & Romich, B. (2007). *Demonstration of Communication Performance Measurement of Individuals who use AAC*. Presentation at the 8<sup>th</sup> Annual ATIA (Assistive Technology Industry Association) Conference. Orlando, FL. January

Hill, K., & Romich, B. (2006). *Demonstration of Communication Performance Measurement of Individuals who use AAC*. Presentation for the Annual 2006 Communication Matters National Symposium. University of Leichester, England.

Cohn, E., & Hill, K. (2006). *Telerehabilitation Clinical Practice and AAC: An Interactive SWOT Analysis*. Presentation for the 2006 Annual ASHA Convention in Miami, FL. November

Hill, K. & Romich, B. (2006) *Demonstration of Communication Performance Measurement of Individuals who use AAC*. Presentation for the 2006 Annual ASHA Convention in Miami, FL. November

Hill, K., & Romich, B. (2006). AAC Communication Performance: Perception vs. Actual Performance. Poster for the 2006 Annual ASHA Convention in Miami, FL. November

Huer, M., Hill, K., & Loncke, F. (2006). AAC: An international community, an international field, an international market. Platform session at *Thriving in challenging Times: The future of rehabilitation engineering and assistive technology* the Annual RESNA 2006 Conference. Atlanta, GA. June 22-26, 2006.

Hill, K. (2006). Asking the right questions for AAC evidence-based questions. Platform session at *Thriving in challenging Times: The future of rehabilitation engineering and assistive technology* the Annual RESNA 2006 Conference. Atlanta, GA. June 22-26, 2006.

Hill, K. (2006). AAC intervention with children and adolescents: Getting results! Presentation at the 2006 Assistive Technology Industry Association (ATIA) Annual Conference. Orlando, FL.

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., & Liffick, B. (2005). *Free Software for Measuring Single Switch Use Performance*. Presentation at the 2005 Closing the Gap Conference. Minneapolis, MN.

Hill, K., & Alvares, R. (2005). *AAC Intervention with Preschool Children: Getting Results!* Presentation at the 2005 Closing the Gap Conference. Minneapolis, MN.

Alvares, R. & Hill, K. (2005). *Language and communication options for individuals with angelman syndrome*. Presentation at the 2005 Biennial Angelman Syndrome Foundation Conference. Anaheim, CA.

Hill, K. (2005). *AAC assessment: Language first, technology second*. Presentation at the 2005 Assistive Technology Industry Association (ATIA) Annual Conference. Orlando, FL.

Hill, K. (2005) *AAC Institute: Resources for the most effective services and communication*. Presentation at the 2005 Assistive Technology Industry Association (ATIA) Annual Conference. Orlando, FL.

Romich, B., & Hill, K. (2005). *PeRT: Performance Report Tool*. Presentation at the 2005 Assistive Technology Industry Association (ATIA) Annual Conference. Orlando, FL.

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., & Romich, B. (2004). *AAC practitioner input in development of PeRT (Performance Report Tool)*. Poster presented at the 2004 ASHA Annual Convention, Philadelphia, Pa, November 2004.

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. (2004). *AAC successes: Children and adults with developmental disabilities*. Paper presented at the 2004 Closing The Gap Conference, Minneapolis, Mn, October 2004.
- Hill, K., & Romich, B. (2004). *AAC data collection: Using the performance report tool (PeRT) software*. Paper presented at the 2004 Closing The Gap Conference, Minneapolis, Mn. October 2004.
- Cooper, R., Hill, K., Koester, H., & Spaeth, D. (2004) *Advances in data logging across assistive technology platforms*. Paper presented at the 2004 RESNA Annual Conference. Atlanta, GA. June, 2004.
- Hill, K. (2003). *Maximizing performance using AAC dynamic displays: Evidence to support practice*. Paper presented at the ATIA Conference, January 2004.
- 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.
- 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., Spurk, E., & Yankovich, C. (2003). *AAC internet-based self-study*. Poster presented at the 2003 ASHA Annual Convention, November 2003.
- Hill, K. (2003). *Measuring communication competence: Outcomes for success*. Presented at the 2003 Closing the Gap Conference, October, 2003.
- 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.
- 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., & 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., & 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., & 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.
- Yoder, D. (chair), Sturm, J.M., Miller, J.F., Foley, B., Erikson, K.A., Finch, A.M., & Hill, K. (2002). *Language & Literacy Issues in AAC: Future Directions*. Presented American speech-language-hearing (ASHA) Annual Convention. Atlanta, Georgia. November 21-24.
- Hill, K., & Romich, B. (2002). *Putting language back into AAC practice*. Presented at the Annual Closing the Gap Conference. Bloomington, Minnesota. October 14-19.
- Hill, K., & Romich, B. (2002). *Putting language back into AAC practice*. Presented at the 43<sup>rd</sup> Annual PSHA Convention. Pittsburgh, Pennsylvania. April 24-27.
- Hill, K., & Romich, B. (2002). *New clinical tools and methods for AAC evidence-based practice*. Presented at the 43<sup>rd</sup> Annual PSHA Convention. Pittsburgh, Pennsylvania. April 24-27.
- Hill, K., & Alvares, R. (2002). *Achieving Success in AAC: Assessment and intervention*. Presented at the Assistive Technology Industry Association (ATIA) Conference. Orlando, Florida.

Hill, K., & Thiel, J. (2002). *The AAC Institute*. Presented at the Assistive Technology Industry Association (ATIA) Conference. Orlando, Florida.

Hill, K., & Romich, B. (2001) *AAC evidence-based practice using performance-monitoring tools for language analysis*. Poster presented at the Annual 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., 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.

Higginbotham, J., Soto, G., Muller, E., Mathy, P., Hill, K., Cornish, J., & Hunt-Berg, M. (2001). *Transcription and analysis of augmentative communication: New visions and technology*. Presented at the American speech-language-hearing (ASHA) Annual Convention. New Orleans, Louisiana. November 15-17.

Molrline, 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. (2001). *Achieving Success: Taking a New Look at AAC Assessment*. Presented at the Annual Closing the Gap Conference. Minneapolis, Minnesota. October 16-17.

Hill, K., & Romich, B. (2001). *Putting Language Back into AAC Practice*. Presented at the Southeast Augmentative Communication (SEACC) Conference. Birmingham, AL. October 4-6.

Hill, K., Romich, B., & Botten, S. (2001). *AAC Evidence-Based Clinical Practice Using Automated Performance Measurement Tools*. Presented at the United States Society of Augmentative and Alternative Communication (USSAAC) Conference. Minneapolis, MN. August 2-5.

Hill, K., & Romich, B. (2000). *Feasibility of AAC language activity monitoring for clinical intervention*. Poster presented at the Annual American speech-language-hearing (ASHA) Annual Convention. Washington DC. November 16-19.

Hill, K., & Romich, B. (2000). *Automated AAC performance monitoring tools for language sampling and analysis*. Poster presented at the Annual American speech-language-hearing (ASHA) Annual Convention. Washington DC. November 16-19.

Hill, K., Romich, B., & Higginbotham, D.J. (2000). *Improving AAC practice through automated performance measurement*. Presented at the Annual American speech-language-hearing (ASHA) Annual Convention. Washington DC. November 16-19.

Hill, K., Dollaghan, C., & Nyberg, E. (2000). *AAC language Sample library for Intervention, outcomes measurement, and research*. Presented at the Annual American speech-language-hearing (ASHA) Annual Convention. Washington DC. November 16-19.

Hill, K., & Romich, B. (2000). *AAC Evidence-based practice made painless*. Presented at the Annual Closing the Gap Conference. Minneapolis, Minnesota. October 19-21.

Hill, K., & Romich, B. (2000). *Automated AAC Language Activity Monitoring*. Presented at the American Association on Mental Retardation. Washington, DC. June.

Hill, K., & Romich, B. (2000). *AAC Best Practice using Language Activity Monitoring*. Presented at the Touch the Future 2000 Expo. Macon, GA. May.



- Hill, K., & Romich, B. (2000). *AAC Best Practice using Language Activity Monitoring*. Presented at the Arizona Speech-Language-Hearing Association. Tucson, AZ. April.
- Romich, B., & Hill, K. (2000). *AAC Vocabulary Categories and Language Representation Methods: Achieving Success*. Presented at the Arizona Speech-Language-Hearing Association. Tucson, AZ. April.
- Hill, K., & Romich, B. (2000). *AAC Best Practice using Language Activity Monitoring*. Presented at the New York State Speech-Language-Hearing Association. Saratoga Springs, NY. April.
- Hill, K., & Romich, B. (2000). *AAC Best Practice and Language Activity Monitoring*. Presented at the Ohio Speech-Language-Hearing Association. Toledo, OH. March.
- Watkins, C., & Hill, K. (2000). *AAC Best Practice using Language Activity Monitoring*. Presented at the Georgia Speech-Language-Hearing Association. Atlanta, GA. March.
- Romich, B., Hill, K., & Botten, S. (2000). *AAC Vocabulary Categories and Language Representation Methods: Achieving Success*. Presented at the Illinois Speech-Language-Hearing Association. Arlington Heights, IL. February.
- Hill, K., & Romich, B. (2000). *AAC Best Practice: Measuring Performance*. Presented at the Utah Augmentative, Alternative, Assistive Communication Technology Conference. Ogden, UT. February.
- Romich, B., & Hill, K. (2000). *Who's Talking with AAC and Why*. Presented at the Utah Augmentative, Alternative, Assistive Communication Technology Conference. Ogden, UT. February.
- Hill, K., & Dollaghan, C. (1999). *Conversations of Three-Year Olds: Implications for AAC Outcomes*. Presented at the American Speech-Language-Hearing (ASHA) Annual Convention. San Francisco, CA. November.
- Hill, K., & Romich, B. (1999). *Language activity monitoring for school-aged children: Improving AAC intervention*. Poster presented at the American Speech-Language-Hearing (ASHA) Annual Convention. San Francisco, CA. November.
- Hill, K., & Romich, B. (1999). *Identifying AAC language representation methods used by persons with ALS*. Poster presented at the American Speech-Language-Hearing (ASHA) Annual Convention. San Francisco, CA. November.
- Hill, K., & Romich, B. (1999). *AAC automated language activity monitoring*. Presented at the Third Annual Mission Possible: Building Bridges with Assistive Technology Conference. Aurora, CO. November.
- Romich, B., & Hill, K. (1999). *AAC language representation issues*. Presented at the Third Annual Mission Possible: Building Bridges with Assistive Technology Conference. Aurora, CO. November.
- Romich, B., & Hill, K. (1999). *AAC language representation: What works and why*. Presented at the Mid-Atlantic Augmentative and Alternative Communication (MAAC) Conference. Bethesda, MD. November.
- Hill, K., & Romich, B. (1999). *Improving AAC intervention through language activity monitoring*. Presented at the Mid-Atlantic Augmentative and Alternative Communication (MAAC) Conference. Bethesda, MD. November.
- Romich, B., & Hill, K. (1999). *AAC language representation issues*. Presented at the Assistive Technology Industry Association (ATIA) World Conference. Orlando, FL. October.
- Hill, K., & Romich, B. (1999). *Improving AAC intervention through language activity monitoring*. Presented at the Assistive Technology Industry Association (ATIA) World Conference. Orlando, FL. October.
- Hill, K., & Romich, B. (1999). *AAC language activity monitoring: Entering the new millennium*. Presented at the Southeast Augmentative Communication (SEACC) Conference. Birmingham, AL. October.

Hill, K., & Romich, B. (1999). *AAC automated language activity monitoring: A new millennium for data collection*. Presented at the 17<sup>th</sup> Annual Closing the Gap Conference. Minneapolis, MN. October.

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

Buning, M., & Hill, K. (1999). *An AAC device as a computer keyboard: More bang for your buck*. Presented at the American Occupational Therapy Association (AOTA) Annual Conference. Indianapolis, IN. April, 1999.

Hill, K., Lytton, R., & Glennen, S. (1998). *Role of the AAC Vendor in a consumer-oriented service delivery model*. Poster presented at the American Speech-Language-Hearing Association (ASHA) Annual Convention. November, 1998.

Hill, K., & Romich, B. (1998). *Language research needs and tools in AAC*. Presented at the Biomedical Engineering Conference. Cleveland, OH. October, 1998.

Hill, K., & Romich, B. (1998). *Functional outcomes for AAC device consumers*. Presented at the Annual Speech-Language Alumni Conference. Edinboro University of Pennsylvania. Edinboro, PA. October, 1998

## TEACHING

### COLLEGE/UNIVERSITY COURSES

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

##### 2005-2017 (100% effort for 1-3 credit courses selected semesters)

CSD 2000: Research & Thesis  
CSD 2077: Augmentative Communication  
CSD 2065: Speech Practicum Network  
CSD 2520: CsCD Mentoring  
CSD 2507: Mentored Clinical Internship  
CSD 2990: Directed Independent Study  
CSD 3000: Dissertation Research PhD Degree  
CSD 3974: Research Seminar in Speech Language Pathology  
CSD 2520: Mentored Clinical Internship

##### 2005-2017 (10-25% effort for 1-3 credit courses selected semesters)

HRS 2704: Introduction to Rehabilitation Engineering (6%)  
CSD 2066: Outplacement  
CSD 2520: Introduction to Speech-language Pathology

#### **Department of Speech and Communication Studies @ Edinboro University of Pennsylvania**

##### Fall 1999-Spring 2005 100% effort for 3 credit courses selected semesters)

SHLD 210: Communication Disorders in Children  
SHLD 525: Microcomputer Applications: SLP/Audiology  
SHLD 585: Alternative Methods of Communication  
SHLD 707: Advanced Assistive Technology  
SHLD 711: Advanced Clinical Practice in Augmentative and Alternative Communication  
SHLD 721: Off-campus Clinical Practicum

#### **Shanghai University TCM, Shanghai, China**

*Augmentative and Alternative Communication (AAC)*. Summer Course co-taught by K. Hill & K. Chen. June 24-July 3, 2013

#### **Additional University Courses Taught**

Spring 2005 - HRS 2705: Clinical-Functional Evaluations. Workshop on *Augmentative and Alternative Communication (AAC): Clinical Application for Rehabilitation Engineering*. March 4-5. Department of Rehabilitation Science and Technology. University of Pittsburgh, Pittsburgh, PA.

Spring 1999 - CSD 2077: Augmentative Communication. Co-instructor with Bruce Baker.  
Department of Communication Sciences and Disorders. University of Pittsburgh, Pittsburgh, PA.

Spring 1999 - HRS 2705: Clinical-Functional Evaluations: Workshop on *Augmentative and Alternative Communication (AAC): Clinical Application for Rehabilitation Engineering.*. Rehabilitation Science and Technology. University of Pittsburgh.

Fall 1998 - HRS 2704: Rehabilitation and Assistive Technology; AAC topic. Rehabilitation Science and Technology. University of Pittsburgh.

Winter 1997 - EDSP 605 Curriculum Organization and Design for the Physically Handicapped.  
Department of Special Education. Mercyhurst College. Erie, PA.

Spring 1996 - SH 585 Alternative Methods in Communication. Department of Speech Communication.  
Edinboro University of Pennsylvania. Edinboro, PA.

Spring 1993 - GG692 Micro-Computers for Educators. Assistant Instructor. Regional Computer Resource Center @ NW Tri-City IU #5. Gannon University. Erie, PA.

Spring 1988 - SH 410 Aural Rehabilitation. Department of Speech Communication. Edinboro University of Pennsylvania. Edinboro, PA.

#### **Internet-based (peer-reviewed) 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.aac institute.org](http://www.aac institute.org).

Hill, K. (2008). *Introduction to Augmentative and Alternative Communication (AAC)*. Online Self-Study Program Course. Pittsburgh, PA: AAC Institute Press. Available at [www.aac institute.org](http://www.aac institute.org).

Hill, K., and Capilouto, G. (in preparation). *Evidence-based practice and augmentative and alternative communication (AAC) clinical decision-making*. Online Self-Study Program Course. Pittsburgh, PA: AAC Institute Press. Available at [www.aac institute.org](http://www.aac institute.org).

#### **Dissertation: Committee Chair Or Committee Member**

Chair of committee: 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

Committee members: 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.

Chair of committee: 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

Co-Chair of committee: 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.

#### **Papers with Students (Mentoring)**

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.

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*.

- 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*.
- 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.
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- 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.
- Chen, SZK., Hill, K., Ridenour, T.A., & McNeil, M.R. (submitted). *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.
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- 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., & Harkawik, R. (2010) *Huntington's disease: Looking beyond typical AAC strategies*. Paper at 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., 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.
- 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.
- 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.
- 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.
- 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.
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- 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.
- 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.
- 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].
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- 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, 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.
- 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, 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.
- 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., Spurk, E., & Yankovich, C. (2003). *AAC internet-based self-study*. Poster presented at the 2003 ASHA Annual Convention, November 2003.
- 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., & Adamcewicz, K. (2002). *AAC Levels of Evidence Classification*. 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., & 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., & 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., & 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., & Thiel, J. (2002). *The AAC Institute*. Presented at the Assistive Technology Industry Association (ATIA) Conference. Orlando, Florida.
- 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., 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., 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., 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.
- 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.

## PROFESSIONAL SERVICE CONTRIBUTIONS

- March 2017- Council for Specialty Certification: Chair of committee working on application for *Specialty Certification for Augmentative and Alternative Communication (AAC)*. Stage I approved; Stage II application in progress.
- Jan 2015- **ASHA SID-12 (AAC)**; Coordinating Committee Member
- June 2014- **Data Logging Consortium** with Carnegie Mellon University; Co-Director
- 2000 - **AAC Institute**  
Executive Director and Co-Founder – volunteer position
- 2007-present **Clinical Augmentative and Alternative Communication Research Conference (CAAC)**  
Founder and CAAC Steering Committee member  
Chair of the 2009 CAAC Research Conference in Pittsburgh, PA  
Coordinator for AAC Institute CAAC Student Scientific Paper competition

- 2016-2017 **National Academies of Sciences, Engineering & Medicine:** Committee Member on the *Use of Selected Assistive Products and Technologies in Eliminating or Reducing the Effects of Impairments* sponsored by the Social Security Administration
- May 2013-2016 **SHOUT;** Pittsburgh Employment Conference for Augmented Communicators (PEC); Board member
- Jan. 2010-  
Oct. 2012 **ISAAC 2012 Conference** – Pittsburgh, PA, July 26-Aug 5, 2012  
Conference Co-Chair
- 2002-2007 **AAC Institute Student Scientific Paper Competition**  
Coordinate awarding process for Annual ASHA Convention
- 1999 – present **ASHA SID-12** (Augmentative and Alternative Communication)  
Edwin & Ester Prentke Distinguished Lecture Series for Annual ASHA Convention  
Organize the nomination and selection for recipient
- September 2009 Chair - **RESNA** Special Interest Groups (SIGs) Restructuring Committee
- 2006-2009 **RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**  
Chair –Special Interest Group (SIG-03) Augmentative and Alternative Communication
- August 2009 Member **ASHA** Division-12 (AAC) SGD Funding Policy Committee.
- 2008 – 2009 Member Assistive Technology Industry Association (ATIA) and AAC Special Interest Division  
2008-Jan 2010: Chair – ATIA AAC SIG Committee on Funding
- April 2007 Co-moderator on AAC and Vocabulary On-Line Discussion for the **Family Center on Technology and Disabilities** at <http://www.fctd.info/webboard/archive.php>.
- 2006-present Member of the **Global Initiative for Inclusive Technologies (G3ict)**, United Nations, New York, NY.
- 2002-03 **ASHA** Speech Generating Device (SGD) Committee  
Deborah Parker Wolfenden-Chair; Celia Hooper – Monitoring Vice President  
American Speech-Language-Hearing Association, Rockville, Maryland
- 2001-02 **ALSA Speaks!** Task Force member  
National ALS Association, Calabasas, California  
Mary Lyon, Chair
- 1999 to present **ASHA Division of Augmentative and Alternative Communication (SID-12)**  
1999 to present: Administration of Edwin and Ester Prentke Distinguished Lecture Series at the Annual ASHA Convention  
2001 to 2007: Administration of the ASHA AAC Student Scientific Paper Competition
- 1999 – 2001 **RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**  
Chair – Professional Specialty Group (PSG-06) *Speech-Language Pathology/Audiology*
- 1998 **RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**  
Vice Chair – Professional Specialty Group (PSG-06) *Speech-Language Pathology/Audiology*



