

# Mark K. Harniss

University of Washington, Seattle  
Department of Rehabilitation Medicine  
Box 357920, Seattle, WA 98195-7920

Work: (206) 685-0289  
Fax: (206) 543-4779  
Email: mharniss@uw.edu

---

## EDUCATION

1996 *Ph.D.*, Special Education, University of Oregon.  
1990 *M.S.*, Instructional Technology, Utah State University.  
1988 *B.S.*, English, Minor in Instructional Technology, Utah State University.  
1997 *Assistive Technology Applications Certificate*, California State University at Northridge.

## ACADEMIC POSITIONS

6/15-present *Associate Director*, Center for Technology and Disability Studies, University of Washington, Seattle.  
7/08-present *Clinical Associate Professor*, Rehabilitation Medicine, University of Washington, Seattle.<sup>1</sup>  
3/03-6/08 *Clinical Assistant Professor*, Rehabilitation Medicine, University of Washington, Seattle.  
6/02-6/15 *Senior Research Scientist*, Center for Technology and Disability Studies, University of Washington, Seattle.  
2/02-4/06 *Director of Evaluation*, Center on Human Development and Disability, University of Washington, Seattle.  
9/98-2/02 *Assistant Professor*, Education Program, University of Washington, Tacoma.  
8/96-6/98 *Assistant Professor*, Department of Educational Psychology, Counseling, and Special Education, Northern Illinois University, DeKalb.

## GRANTS AND CONTRACTS

### *Currently Funded Projects*

1. *Accessibility Domain Team*, 2014-2015. Project funded by the National Children's Study to support development of accessible measurement systems for the NCS, (**principal investigator**).
2. *ADA Knowledge Translation Center* (Kurt Johnson, PI), 2011-2016, Project funded by the U.S. Dept. of Education National Institute on Disability and Rehabilitation Research to support the NIDRR National ADA Network in knowledge translation and outcomes measurement. (**co-director**).
3. *Job Driven Vocational Rehabilitation Technical Assistance Center* (Laurie Ford, PI), 2015-2017, Project funded by the Rehabilitation Services Administration to increase the capacity of Vocational Rehabilitation agencies, increase the number and quality of employment outcomes, and increase

---

<sup>1</sup> Member of the Graduate Faculty and eligible to chair doctoral supervisory committees

the number of eligible individuals with disabilities in employer-driven job training programs. (**co-investigator**).

4. *National Data and Statistical Center for the Burn Model System* (Dagmar Amtmann, PI), 2012-2014, Project funded by the National Institute on Disability and Rehabilitation Research to advance medical rehabilitation by increasing the rigor and efficiency of scientific efforts to assess the experiences and outcomes of individuals with burn injury (**co-investigator**).

### **Completed Projects**

1. *Systematic Review on Deep Vein Thrombosis* (Pat Brown, PI), 2014, Project funded by Paralyzed Veterans of America. Systematic review to support development of guidelines on DVT (**co-investigator**).
2. *National Rehabilitation Research and Training Center on Aging with Disability* (Mark Jensen, PI), 2008-2013, Project funded by the National Institute on Disability and Rehabilitation Research. Research and development of smart home technologies for people with Multiple Sclerosis or spinal cord injury. (**co-investigator**).
3. *Guidelines on Health-Related Rehabilitation* (Work Package #3 Rehabilitation Services and Work Package #5 Assistive Technology), 2013, Project funded by the World Health Organization to provide evidence reviews to support the development of rehabilitation guidelines (**principal investigator**).
4. *Accessible Voting Technology Initiative* (Daniel Castro, PI), 2011-2013, Project funded by the Elections Assistance Commission (EAC) to evaluate the accessibility of commonly used voting technologies (**co-investigator**).
5. *National Rehabilitation Research and Training Center on MS* (George Kraft, PI), 2008 – 2013, Project funded by the National Institute on Disability and Rehabilitation Research to improve the quality of life and maximize social and economic independence for people living with multiple sclerosis (MS). (**co-investigator**).
6. *Older Blind Independent Living Agreement-ARRA DSB Supplement* (Debbie Cook, PI), 2009-2011. Project funded by the Rehabilitation Services Administration to develop curriculum for independent living support staff who work with older individuals who are blind or have low vision (**co-investigator**).
7. *Rehabilitation Research and Training Center on Improving Measurement of Medical Rehabilitation Outcomes* (Allen Heinemann, PI), 2009-2011, Project funded by the National Institute on Disability and Rehabilitation Research. Evaluate and adapt the NIH Toolbox for administration to people with stroke, SCI, and TBI. (**principal investigator** on the UW subcontract).
8. *Model Systems Knowledge Translation Center* (Kurt Johnson, PI), 2006-2011, Project funded by the U.S. Dept. of Education National Institute on Disability and Rehabilitation Research to support the NIDRR Model Systems in spinal cord injury, traumatic brain injury, and burn in synthesizing and translating research findings for consumers. (**co-director**).
9. *NIH Toolbox* (Richard Gershon, PI), 2004-2009, Project funded by the National Institutes of Health Research. Review of Toolbox measures to ensure that they are accessible for people with disabilities. (**co-investigator**).
10. *Assisted Cognition in Community, Employment, and Support Settings* (Kurt Johnson, PI & Henry Kautz, Co-PI), 2003–2008. Project funded by the U.S. Dept. of Education National Institute on

Disability and Rehabilitation Research to investigate applications of assisted cognition and artificial intelligence to enhance independence of people with disabilities (**co-investigator**).

11. *University of Washington Center on Outcomes Research in Rehabilitation* (Dagmar Amtmann, PI), 2004-2009). Project funded by the National Institutes of Health to provide clinical researchers with better tools or methods to measure patient-reported outcomes (PRO) in children and adults with chronic disease and disability. (**principal investigator** for the Network Project to develop an accessible user interface for the survey tool).
12. *National Rehabilitation Research and Training Center on MS* (George Kraft, PI), 2003 – 2008, Project funded by the National Institute on Disability and Rehabilitation Research (**co-investigator**).
13. *Assisted cognition in community, employment & support settings*. (Gaetano Borriello, PI), 2008, Project funded by Microsoft Research: External Research & Programs (**co-investigator**).
14. *Cognitive Support Technologies for Individuals with TBI*. (Mike May, PI), 2008, Project funded by SBIR (DARPA): Sendero and University of Washington (**co-investigator**).
15. *Washington Assistive Technology Alliance* (Kurt Johnson, PI), 2005–2008. Project funded by the U.S. Dept. of Education to facilitate systems change with respect to assistive technology services. (**co-investigator**).
16. *Innovative Technology Bridge Grant* (Ilene Schwartz, PI), 2006. Project funded by Cure Autism Now Foundation to support the development of new technologies for evaluating student’s progress in early intervention classrooms. (**co-investigator**).
17. *National Center for Accessible Information Technology in Education* (Kurt Johnson, PI), 2001–2006. Project funded by the U.S. Dept. of Education National Institute on Disability and Rehabilitation Research to promote the use of electronic and information technology (E&IT) for students and employees with disabilities in educational institutions. (**co-investigator**).
18. *Capacity-Building Grant for preparing tomorrow's teachers to use technology (PT3)*. (**principal investigator**) 1999, Project funded by the Department of Education to increase the capacity of preservice education faculty to use technology in their teaching and to encourage the use of technology by teachers.
19. *Task demands placed on secondary-level students with serious emotional disturbance by content area texts: Effects on academic achievement and maladaptive behavior*. (**principal investigator**) 1993, Project funded by the Office of Special Education and Rehabilitation Services to investigate the efficacy of an instructional intervention in U.S. History.

## **PUBLICATIONS**

### ***Journal Articles and Major Conference Publications (peer reviewed)*** ***(Student-mentored publications marked with \*)***

1. **Harniss, M.**, Samant Raja, D., & Matter, R. (2015). Assistive technology access and service delivery in resource-limited environments: introduction to a special issue of Disability and Rehabilitation: Assistive Technology. *Disability and Rehabilitation: Assistive Technology*, 10(4), 267-294.

2. \*Chen, K., **Harniss, M.**, Patel, S., & Johnson, K. (2014). Implementing technology-based embedded assessment in the home and community life of individuals aging with disabilities: A participatory research and development study. *Disability and Rehabilitation: Assistive Technology*, 9(2), 112-120.
3. \*Chu, Y., Brown, P., **Harniss, M.**, Kautz, H., & Johnson, K. (2014). Cognitive support technologies for people with TBI: Current usage and challenges experienced. *Disability and Rehabilitation: Assistive Technology*, 9(4), 279-285.
4. \*Chen, K., **Harniss, M.**, Lim, J. H., Han, Y., Johnson, K. L., & Patel, S. (2013). uLocate: A ubiquitous location tracking system for people aging with disabilities. In Proceedings of the 8th International Conference on Body Area Networks (BodyNets 2013).
5. Victorson, D., Manly, J., Wallner-Allen, K., Fox, N., Purnell, C., Hendrie, H., Havlik, R., **Harniss, M.**, Magasi, S., Correia, H., & Gershon, R. C. (2013). Using the NIH Toolbox in special populations: Considerations for assessment of pediatric, geriatric, culturally diverse, non-English speaking and disabled individuals. *Neurology*, 80(11) Suppl 3, S13-9. doi: 10.1212/WNL.0b013e3182872e26.
6. Samant, D., Matter, B. & **Harniss, M.** (2013). Realizing the potential of accessible ICTs in developing countries. *Disability and Rehabilitation: Assistive Technology*, 8(1), 11-20. doi: 10.3109/17483107.2012.669022.
7. Brown, P. A., **Harniss, M. K.**, Schomer, K. G., Feinberg, M., Cullen, N. K., Johnson, K. L. (2012). Conducting systematic evidence reviews: Core concepts and lessons learned. *Archives of Physical Medicine and Rehabilitation*, 93(8), Suppl. 2.
8. Thielke, S., **Harniss, M.**, Thompson, H., Patel, S., Demiris, G., & Johnson, K. (2011). Maslow's hierarchy of human needs and the adoption of health-related technologies for older adults. *Ageing International*, (published online: <http://dx.doi.org/10.1007/s12126-011-9121-4>). doi:10.1007/s12126-011-9121-4
9. Johnson, K., Brown, P., **Harniss, M.**, & Schomer, K. (2010). Knowledge translation in rehabilitation counseling. *Rehabilitation Education*, 24(3-4), 239-248.
10. Gershon, R., Hanrahan, R. T., Rothrock, N.E., Jansky, E., Kramer, E. **Harniss, M.**, Riley, W. (2010). The development of a clinical outcomes survey research application: Assessment Center. *Quality of Life Research*, 19(5), 677-685. doi: 10.1007/s11136-010-9634-4
11. Matter, B., Feinberg, M., Schomer, K., **Harniss, M.**, Brown, P., Johnson, K. (2009). Information needs of individuals with spinal cord injuries. *Journal of Spinal Cord Medicine*. 32(5), 545-549.
12. \*Liu, A.L., Hile, H., Borriello, G., Brown, P.A., **Harniss, M.**, Kautz, H., & Johnson, K. (2009). Customizing directions in an automated wayfinding system for individuals with cognitive impairment. In *Proceedings of Computers & Accessibility* (pp. 27-34). doi: 10.1145/1639642.1639649
13. \*Liu, A.L., Hile, H., Borriello, G., Kautz, H., Brown, P.A., **Harniss, M.** Johnson, K. (2009) Informing the design of an automated wayfinding system for individuals with cognitive impairments. In Proceedings of the *International Conference on Pervasive Computing Technologies for Healthcare* (pp.1-8). doi: 10.4108/ICST.PERVASIVEHEALTH2009.6018
14. Kane, S.K., Wobbrock, J.O., **Harniss, M.** & Johnson, K. L. (2008) TrueKeys: Identifying and correcting typing errors for people with motor impairments. In *Proceedings of the ACM Conference on Intelligent User Interfaces* (pp. 349-352). doi: 10.1145/1378773.1378827

15. \*Liu, A. L., Hile, H., Kautz, H., Borriello, G., Brown, P., **Harniss, M.**, Johnson, K. (2008). Indoor wayfinding: Developing a functional interface for individuals with cognitive impairments. *Disability and Rehabilitation: Assistive Technology*, (1&2), 69-81.
16. **Harniss, M. K.**, Caros, J., & Gersten, R. (2007). The impact of the design of United States' history textbooks on content acquisition and academic engagement of special education students: An experimental investigation. *Journal of Learning Disabilities*, 40(2), 100-110.
17. **Harniss, M.K.**, Amtmann, D., Cook, D., & Johnson, K. (2007). Considerations for developing interfaces for collecting patient reported outcomes that support inclusion of individuals with disabilities. *Medical Care Supplement*, 45(5), 48-54.
18. \*Liu, A.L., Hile, H., Kautz, H., Borriello, G., Ferris, B., Brown, P., **Harniss, M.**, & Johnson, K. (2006). Implications for location systems in indoor wayfinding for individuals with cognitive impairments. In *Proceedings of the Pervasive Health Conference and Workshops* (pp. 1-5). doi: 10.1109/PCTHEALTH.2006.361699
19. \*Liu, A.L., Hile, H., Kautz, H., Borriello, G., Brown, P., **Harniss, M.**, & Johnson, K. (2006). Indoor wayfinding: Developing a functional interface for individuals with cognitive impairments. In *Proceedings of Computers & Accessibility* (pp. 95-102), Portland, Oregon.
20. **Harniss, M. K.** (2006). Instructionally useful assessment in social studies. *Assessment for Effective Intervention*, 31(2), 223-37.
21. **Harniss, M. K.**, Epstein, M. H., Bursuck, W. D., Nelson, J., & Jayanthi, M. (2001). Resolving homework-related communication problems: Recommendations of parents of children with and without disabilities. *Reading and Writing Quarterly*, 17(3), 205-225
22. Gersten, R., Keating, T., Yovanoff, P., & **Harniss, M. K.** (2001). Working in special education: A study of factors that enhance special educators' intent to stay. *Exceptional Children*, 67(4), 549-567.
23. Cullinan, D., **Harniss, M.**, Epstein, M. H., & Ryser, G. (2001). The Scale for Assessing Emotional Disturbance: Concurrent validity. *Journal of Child and Family Studies*, 10(4), 449-466.
24. **Harniss, M. K.**, Dickson, S. V., Kinder, D., & Hollenbeck, K. L. (2001). Textual problems and instructional solutions: Strategies for enhancing learning from published history textbooks. *Reading and Writing Quarterly*, 17, 127-150.
25. Epstein, M. H., **Harniss, M. K.**, Pearson, N., & Ryser, G. (1999) The Behavioral and Emotional Rating Scale: Test-retest and inter-rater reliability. *Journal of Child and Family Studies*, 8(3), 319-328.
26. **Harniss, M. K.**, Epstein, M. H., Ryser, G., & Pearson, N. (1999). The Behavioral and Emotional Rating Scale: Convergent validity. *Journal of Psychoeducational Assessment*, 17(1), 4-14
27. Epstein, M. H., Cullinan, D., & **Harniss, M. K.** (1999). The Scale for Assessing Emotional Disturbance: Test-retest and inter-rater reliability. *Behavioral Disorders*, 24, 222-230.
28. Bursuck, W. D., **Harniss, M. K.**, Epstein, M. H., Polloway, E. A., Jayanthi, M., & Wissinger, L. M. (1999). Solving communication problems about homework: Recommendations of special education teachers. *Learning Disabilities Research and Practice*, 14(3), 149-158
29. Tindal, G., Heath, B., Hollenbeck, K., Almond, P., & **Harniss, M.** (1998). Accommodating students with disabilities on large-scale tests: An experimental study. *Exceptional Children*, 64(4), 439-450.

30. **Harniss, M.K.**, Hollenbeck, K. H., Crawford, D. B., & Carnine, D. (1994). Content organization and instructional design issues in the development of history texts. *Learning Disability Quarterly*, 17(3), 235-248.

### **Guest Editor—Special Issue**

1. **Harniss, M.**, & Samant Raja, D. (Guest Editors) (2015). Access to assistive technology in resource limited environments. Special section of the journal *Disability and Rehabilitation: Assistive Technology*, 10(4).

### **Book Chapters**

1. **Harniss, M. K.**, Brown, P. A., & Johnson, K. L. (2014). Cognitive technologies for wayfinding. In B. O’Neill & A. Gillespie (Eds.) *Assistive Technologies for Cognition*. (pp. 146-159), New York: Psychology Press.
2. **Harniss, M. K.**, Carnine, D. W., Silbert, J., & Dixon, R., (2011). Effective strategies for teaching mathematics. In M. Coyne, E. Kameenui, & D. Carnine (Eds.), *Effective strategies that accommodate diverse learners (4<sup>th</sup> ed.)*. (pp. 147-179). Columbus, OH: Merrill  
**Harniss, M. K.**, Carnine, D. W., Silbert, J., & Dixon, R., (2007). Effective strategies for teaching mathematics. In M. Coyne, E. Kameenui, & D. Carnine (Eds.), *Effective strategies that accommodate diverse learners (3<sup>rd</sup> ed.)*. (pp. 139-170). Columbus, OH: Merrill
3. **Harniss, M.K.**, & Epstein, M. H. (2004). Strength-based assessment in children’s mental health. In M. H. Epstein, K. Kutash, & A. Duchnowski (Eds.), *Outcomes for Children and Youth with Emotional and Behavioral Disturbances and Their Families (2<sup>nd</sup> Ed.)*, Austin, TX: Pro-Ed.
4. **Harniss, M. K.**, Hollenbeck, K., & Dickson, S. V. (2004). Direct instruction in the content areas. In N. E. Marchand-Martella, T. A. Slocum, & R. C. Martella, (Eds.), (pp. 246-279). *Introduction to Direct Instruction*. Boston, MA: Pearson/Allyn Bacon.
5. Epstein, M. H., **Harniss, M. K.**, Robbins, V., Kriz, M., Wheeler, L., Cyrulik, S., & Nelson, J. R. (2002). Strength-based approaches to assessment in schools. In M. Weist, S. Evans, & N. Lever (Eds.), (pp. 285-299). *Handbook of School Mental Health*. New York: Kluwer /Plenum
6. **Harniss, M.K.**, Stein, M., & Carnine, D. (2002). Promoting positive mathematics outcomes. In M. Shinn, G. Stoner, & H. Walker (Eds.), *Interventions for academic and behavior problems II: Preventive and remedial approaches (2<sup>nd</sup> ed.)*. Silver Spring, MD: National Association of School Psychologists.
7. **Harniss, M. K.**, Dixon, R., & Carnine, D. (2001). Effective strategies for teaching mathematics. In E. Kameenui, & D. Carnine (Eds.), *Effective strategies that accommodate diverse learners (2<sup>nd</sup> ed.)*. Columbus, OH: Merrill.
8. Carnine, D. W., Crawford, C., **Harniss, M.K.**, Hollenbeck, K., & Miller, S. (1998). Effective strategies for teaching social studies. In E. Kameenui, & D. Carnine (Eds.), *Effective strategies that accommodate diverse learners*. Columbus, OH: Merrill.
9. Carnine, D. W., Caros, J., Crawford, D., Hollenbeck, K., & **Harniss, M. K.** (1996). Designing effective United States history curricula for all students. In J. Brophy (Ed.), *Advances in research on teaching, Vol. 6, History teaching and learning*. (pp. 207-256). Greenwich, CT: JAI Press.

## Encyclopedia Entries

1. **Harniss, M. K.**, (2014). Accessibility. In Michalos, A. C. (Ed.), *Encyclopedia of Quality of Life and Well-Being Research*. Springer, Dordrecht, Netherlands: Springer, pp. 9-10.

## Abstracts

1. Thielke, S., Thompson, H., Patel, S., Johnson, K., **Harniss, M.** (2010). Real-time geospatial range for geriatric assessment. *Gerontechnology*, 9(2):168-169; doi:10.4017/gt.2010.09.02.120.00
2. Amtmann, D., Bamer, A., Cook, K., **Harniss, M.**, Johnson, K. (2010). Adapting PROMIS physical function items for users of assistive technology. *Disability and Health Journal*, 3(2), e9.
3. Magasi, S., **Harniss, M.**, Cook, D., & Witzel, J. (2009). Disability access and the NIH Toolbox: Evaluation and implementation of accessibility guidelines in health outcome measurement *Archives of Physical Medicine and Rehabilitation* (90)10, e4.
4. Eddy, L. L., Khastou, L. M., Bogusz, K. M., **Harniss, M.** (2008). Issues in using adult scales to measure outcomes in children. *Proceedings of Communicating Nursing Research*, 41, 268.
5. Liu, A.L., Hile, H., Borriello, G., Kautz, H., Brown, P.A., **Harniss, M.**, Johnson, K. (2009, April). Evaluating a wayfinding system for individuals with cognitive impairment. Workshop on *Evaluating new interactions in healthcare: Challenges and approaches*, Boston, MA, USA.
6. Brown, P. & **Harniss, M.** (2006, January). An awareness video on the need for accessible information technology in education. *Proceedings of the Annual Conference of the Assistive Technology Industry Association*.
7. Brown, P., **Harniss, M.**, & Johnson, K. (2006, March). Cognitive support technologies: Implications for design and user interface. *Proceedings of the International Conference on Technology and Persons with Disabilities*.
8. **Harniss, M. K.**, & Amtmann, D. (2006, March). Usability and accessibility in computer adaptive testing. *Proceedings of the International Conference on Technology and Persons with Disabilities*.
9. **Harniss, M. K.**, & Cook, D. (2006, March). Planning for accessible video and DVD. *Proceedings of the International Conference on Technology and Persons with Disabilities*.
10. **Harniss, M. K.**, & Amtmann, D. (2005, March). An awareness video on the need for accessible information technology in education. *Proceedings of the International Conference on Technology and Persons with Disabilities*, <http://www.csun.edu/cod/conf/2005/proceedings/2393.htm>.
11. Amtmann, D., **Harniss, M. K.**, & Witzel, J. (2005, March). Designing "Introduction to Accessible Information Technology in Education: A Webcourse." *Proceedings of the International Conference on Technology and Persons with Disabilities*, <http://www.csun.edu/cod/conf/2005/proceedings/2390.htm>
12. **Harniss, M. K.**, Brown, P., & Johnson, K. L. (2005, March). Assistive technology for cognition: Implications for design. *Proceedings of the International Conference on Technology and Persons with Disabilities*, <http://www.csun.edu/cod/conf/2005/proceedings/2240.htm>
13. **Harniss, M. K.**, Brown, P., & Johnson, K. L. (2005, January). Developing assistive technology for cognition (ATC). *Proceedings of the annual conference of the Assistive Technology Industry Association*, [http://ataiew.prod.web.sba.com/displaymod/detailevent.cfm?conference\\_id=3&event\\_id=35](http://ataiew.prod.web.sba.com/displaymod/detailevent.cfm?conference_id=3&event_id=35)

### **Published Monographs and Multimedia**

1. Cook, D, & **Harniss, M.** (2007) *Accessibility and distance learning: An Overview*. *Access World* 8(2). <http://www.afb.org/afbpublish/pub.asp?DocID=aw080205>.
2. **Harniss, M. K.**, Hamp, T., Colehour, C., & Johnson, K. L. (2005). *Accessible information technology in education: Building toward a better future* [Video/DVD]. Seattle, WA: National Center on Accessible Information Technology.
3. **Harniss, M. K.**, Amtmann, D., Brown, S., Thompson, T., Colehour, C., Witzel, J., & Johnson, K. (2005). *Introduction to accessible information technology: A web-based distance learning course*. [Webcourse] National Center on Accessible Information Technology, University of Washington. [www.washington.edu/accessit/webcourse.php](http://www.washington.edu/accessit/webcourse.php)
4. **Harniss, M. K.** & Ross, L. (2000) *Curriculum-based measurement: Writing*. [Online Workshop]. Bellevue, WA: Apex Corporation.
5. Carnine, D. W., Caros, J., Crawford, D., Hollenbeck, K., & **Harniss, M. K.** (1997). Five intervention studies evaluating Understanding U.S. History. *Effective School Practices*, 16(1&2), 36-54.
6. **Harniss, M.K.** (1997). The instructional design of United States history texts: Student and teacher effect. *Dissertation Abstracts*, (57)07, p. 2831.
7. Carnine, D., **Harniss, M.K.**, & Hollenbeck, K. (1995). *Understanding U.S. History: Volume I - Through the Civil War*. [Videotape]. Eugene, OR: Considerate Publishing.
8. Carnine, D., Crawford, D.B., **Harniss, M.K.**, & Hollenbeck, K. (1994). *Understanding U.S. History: Volume I - Through the Civil War*. [Textbook]. Eugene, OR: Considerate Publishing.
9. Crawford, D., **Harniss, M. K.**, Hollenbeck, K., & Carnine, D. (1992). Teaching United States history: A thematic approach. In J. Marr, & G. Tindal (Eds.), *The Oregon Conference Monograph*, (pp. 77-84). Eugene: University of Oregon.
10. Thorkildsen, R., **Harniss, M. K.**, & Condray, C. (1990). *Welding Safety*. [Videodisc]. Logan, UT: Center for Information Technology, Utah State University.
11. **Harniss, M. K.** (1990). *A formative evaluation of a videodisc-based welding safety program*. Unpublished master's thesis, Utah State University, Logan, UT.

### **Technical and Research Reports**

1. Cook, D., & **Harniss, M.** (2012). *Accessible voting technology: Analysis and recommendations*. Washington, DC: The Information Technology and Innovation Foundation. <http://elections.itif.org/reports/AVTI-004-Cook-Harniss-2012.pdf>.
2. Matter, R., **Harniss, M. K.**, Guralnick, M. (2005). *Clinical Services Annual Report-2004*. Seattle, WA; University of Washington Center on Human Development and Disabilities.
3. Hollenbeck, K., Tindal, G., **Harniss, M.**, & Almond, P. (2002). *Handwritten versus word-processed statewide compositions: Do judges rate them differently?* (Accommodations Research Report 3). Eugene, Oregon: BRT: University of Oregon.
4. Hollenbeck, K., Tindal, G., **Harniss, M.**, & Almond, P. (2002). *The effect of spellcheckers on statewide writing test scores as an accommodation issue* (Accommodations Research Report 2). Eugene, Oregon: BRT: University of Oregon.



5. Hollenbeck, K., Tindal, G., **Harniss, M.**, & Almond, P. (2002). *The effect of using computers as an accommodation in a statewide writing test* (Accommodations Research Report 17). Eugene, Oregon: BRT: University of Oregon.
6. Tindal, G., Heath, B., Hollenbeck, K., Almond, P., & **Harniss, M.** (1998). *Accommodating students with disabilities on large-scale tests: An empirical study of student response and test administration demands*. Eugene, OR: Research, Consultation and Teaching Program. (ERIC Document Reproduction Service No. 423632).
7. Miller, S., Crawford, D., **Harniss, M.K.**, & Hollenbeck, K. (1994). *Research review for social studies curriculum guidelines for diverse learners*. Monograph for the National Center to Improve the Tools of Educators, Eugene: University of Oregon.

## PRESENTATIONS

### *Invited Presentations*

1. **Harniss, M. K.**, & Matter, R. (2014). *Assistive technology in low-resourced settings: A scoping review*. Global Cooperation on Assistive Technology, Geneva, Switzerland.
2. **Harniss, M.K.** (2013). *Cognitive support technologies*. Global Challenges & Global Collaboration, Brussels, Belgium.
3. **Harniss, M. K.** (2011, April). *Embedded assessment: Technology to improve data collection in natural environments*. National Institute of Disability and Rehabilitation Research Physical Disability and Aging: A State of the Science Conference, Washington DC.
4. **Harniss, M.K.** (2010). *Cognitive support technologies: Current Research and Development*, Tainan University, Taiwan.
5. Johnson, K., & **Harniss, M.K.** (2006, February). *Focus on usability in IT for people with learning and other cognitive disabilities*. National Center on Accessible Information Technology in Education's Training on Accessible IT in Education, Scottsdale, AZ.
6. **Harniss, M. K.** (2005, February). *Train-the-trainer session: Overview of most common distance learning courseware from an accessibility point of view*. National Center on Accessible Information Technology in Education's Training on Accessible IT in Education, San Diego, CA.
7. **Harniss, M. K.** & Hollenbeck, K. (2003, October). *Understanding United States history*. Atlanta Public Schools, Atlanta, GA.
8. **Harniss, M.K.** (2001, October). *Effective practices in teaching United States history*. Council for Learning Disabilities, Charlotte, NC.
9. **Harniss, M.K.** (1997, October). *Social Studies/History Instruction*. The Council for Exceptional Children's Symposium on Achieving Curricular Mastery--Creating Success for All, Seattle, WA.
10. **Harniss, M.K.**, (1997, February). *Social Studies/History Instruction*. The Council for Exceptional Children's Symposium on Achieving Curricular Mastery--Creating Success for All, Pinehurst, NC.
11. **Harniss, M. K.** (1996, June). *Social Studies/History Instruction*. The Council for Exceptional Children's Symposium on Achieving Curricular Mastery--Creating Success for All, Houston, TX.

## **Refereed Presentations**

1. **Harniss, M.**, Brown, P., & Johnson, K. (April, 2013). *Cognitive support technologies for people with TBI: Current usage and challenges experienced*. Paper presented at the meeting of NARRTC, Alexandria, VA.
2. **Harniss, M.**, & Johnson, K. (April, 2013). *Adding outcomes to the Outcomes Measurement System: Challenges and solutions in developing a database and measurement system for the ADA National Network*. Paper presented at the meeting of NARRTC, Alexandria, VA.
3. Cook, D., & **Harniss, M.** (January, 2013). *Accessible voting technology: Analysis and recommendations*. Paper presented at the Accessible Voting Technology Research Workshop, Gaithersburg, MD.
4. **Harniss, M.**, Chen, K., Patel, S., & Johnson, K. (October, 2012). *Implementing technology-based embedded assessment in the home and community life of individuals aging with disabilities*. Paper presented at the meeting of the American Congress of Rehabilitation Medicine, Vancouver, BC.
5. Chen, K., & **Harniss, M.** (September, 2012). *Embedded assessment in the home and community life of individuals aging with disabilities*. Paper presented at the Workshop on Evaluating Off-the-Shelf Technologies for Personal Health Monitoring at the 14th ACM International Conference on Ubiquitous Computing, Pittsburgh, PA.
6. Block, P., Magasi, S., & **Harniss, M.** (February, 2012). *Computerized assessment of cognitive function: Accessibility and accommodations for people with disabilities*. Paper presented at the meeting of the International Neuropsychological Society, Montréal, Québec, Canada.  
**Harniss, M. K.**, & Magasi, S. (June, 2011). *Accessibility and usability of the NIH Toolbox for individuals with TBI*. Paper presented at the Third Federal Interagency Conference on Traumatic Brain Injury, Washington, DC.
7. Brown, P., **Harniss, M. K.**, & Johnson, K. (June, 2011). *Cognitive support technologies for individuals with TBI: A systematic review*. Poster presented at the Third Federal Interagency Conference on Traumatic Brain Injury, Washington, DC.
8. Brown, P., **Harniss, M.**, & Johnson, K. (April, 2011). *Cognitive support technologies: A systematic review*. Paper presented at the annual meeting of NARRTC, Washington, DC.
9. Amtmann, D., Bamer, A., Cook, K., **Harniss, M.**, Johnson, K. (November 2009). *Adapting PROMIS physical function items for users of assistive technology*. Paper presented at the annual meeting of the American Public Health Association, Philadelphia, PA.
10. Sandall, S. R., Wang, H., & **Harniss, M.** (2007, October). *Automated data capture for monitoring children's progress*. Poster presented at the meeting of the Division for Early Childhood, Niagara Falls, NY
11. **Harniss, M. K.** (2006, March). *Planning for accessible video and DVD*. Paper presented at the meeting of the International Conference on Technology and Persons with Disabilities, Los Angeles.
12. **Harniss, M. K.** (2005, April). *Designing assisted cognition tools*. Paper presented at the meeting of the Council for Exceptional Children, Baltimore.
13. **Harniss, M. K.** (2005, March). *An awareness video on the need for accessible information technology in education*. Paper presented at the meeting of the International Conference on Technology and Persons with Disabilities, Los Angeles.

14. **Harniss, M. K.**, Cook, D., & Witzel, J. (2005, March). *Designing "Introduction to Accessible Information Technology in Education: A Webcourse."* Paper presented at the meeting of the International Conference on Technology and Persons with Disabilities, Los Angeles.
15. **Harniss, M. K.**, Brown, P., & Johnson, K. L. (2005, March). *Assistive technology for cognition: Implications for design.* Paper presented at the meeting of the International Conference on Technology and Persons with Disabilities, Los Angeles.
16. **Harniss, M. K.**, Brown, P., & Johnson, K. L. (2005, January). *Developing assistive technology for cognition (ATC).* Paper presented at the meeting of the Assistive Technology Industry Association, Orlando, FL.
17. **Harniss, M.K.**, & Witzel, J. (2004, March). *A comprehensive introductory course on accessible information technology in education on the web.* Paper presented at the meeting of the International Conference on Technology and Persons with Disabilities, Los Angeles.
18. **Harniss, M.K.** (2003, April). *Designing and implementing an online curriculum in the field of developmental disabilities.* Paper presented at the meeting of the Council for Exceptional Children, Seattle, WA.
19. **Harniss, M.K.** (2002, October). *Leveraging learning resources: Designing an online curriculum in the field of developmental disabilities.* Paper presented at the meeting of the Association of University Centers for Excellence in Developmental Disabilities, Bethesda, MD.
20. Gersten, R., Baker, S. Chard, D., & **Harniss M. K.** (1999, February). *Research on teaching United State's history.* Session presented at the Pacific Coast Research Conference, San Diego, CA.
21. **Harniss, M. K.** (1998, April). *Accessing the general education middle school curriculum—History.* Strand session presented at the meeting of the Council for Exceptional Children, Minneapolis, MN.
22. Hall, T. E., **Harniss, M. K.**, & McCleery, J. (1997, April). *Performance-based assessment in content areas: Instructional adaptations linked to evaluations and demonstrations.* Poster session presented at the meeting of the Council for Exceptional Children, Salt Lake City, UT.
23. Carnine, D., Caros, J., **Harniss, M. K.**, & Hollenbeck, K. (1996, April). *Research on teaching U.S. history to students with disabilities.* Paper presented at the meeting of the Council for Exceptional Children, Orlando, FL.
24. **Harniss, M. K.**, Hall, T., & Tindal, G. (1996, April). *Assessing content area instruction: Written versus oral responding. Is there a difference?* Poster session presented at the meeting of the Council for Exceptional Children, Orlando, FL.
25. **Harniss, M. K.** (1994, July). *The instructional design of United States History texts: Effects on achievement and behavior of eighth-grade students receiving special education.* Poster session presented at the Research in Education of Individual's with Disabilities Project Directors' Meeting, Washington, DC.
26. Crawford, D., Hollenbeck, K., & **Harniss, M. K.** (1994, April). *Improved textbooks enable mainstreamed student success in eighth-grade United States history.* Paper presented at the meeting of the Council for Exceptional Children, Denver, CO.

### **Regional and Local Presentations**

1. Cook, D., **Harniss, M.K.**, Larrauri, E. (Feb, 2015). *Website Accessibility.* Costco. Redmond, WA.

2. **Harniss, M.K.** (June, 2014). *Ethics and Technology*. Community Summit. Wenatchee, WA.
3. **Harniss, M. K.** (June, 2013). *Developing Evidence-Based WHO Guidelines*. Symposium on Disability, Technology and Rehabilitation in Low and Middle Income Countries. Seattle, WA.
4. Chen, K., **Harniss, M.**, Patel, S., & Johnson, K. (May, 2012). *Ubitrack: An indoor-outdoor-combined location tracking system*. Poster presented at the Justus Lehman Symposium, Seattle, WA.
5. **Harniss, M. K.**, (2013, January). *Implementing technology-based embedded assessment in the home and community life of individuals aging with disabilities*. Colloquium on technologies to support aging: Implications for design, implementation and evaluation, Seattle, WA.
6. **Harniss, M. K.** (2011, May). *Ethics and emerging technologies*. Developmental Disabilities Council Bottlecap Symposium, Seattle, WA
7. **Harniss, M. K.** (2011, May). *Disability and technology in developing countries*. Disability Awareness Week, University of Washington, Seattle, WA.
8. **Harniss, M. K.**, & Johnson, K. L. (2011, June). *Technology for Reading and Writing*. Summer Institute on Technology and Disability, Seattle, WA
9. **Harniss, M. K.**, & Johnson, K. L. (2010, June). *Technology for Reading and Writing*. Summer Institute on Technology and Disability, Seattle, WA
10. **Harniss, M. K.**, & Johnson, K. L. (2008, June). *Technology for Reading and Writing*. Summer Institute on Technology and Disability, Seattle, WA
11. **Harniss, M. K.**, & Johnson, K. L. (2007, June). *Technology for Reading and Writing*. Summer Institute on Technology and Disability, Seattle, WA
12. Brown, P., **Harniss, M. K.**, & Johnson, K. L. (2005, June). *Assisted Cognition and Strategies for Accommodating Cognitive Impairments*. Summer Institute on Technology and Disability, Seattle, WA
13. **Harniss, M. K.**, Brown, P., & Johnson, K. L. (2004, June). *Assisted Cognition and Strategies for Accommodating Cognitive Impairments*. Summer Institute on Technology and Disability, Seattle, WA
14. **Harniss, M. K.** (1999, July). *Direct Instruction and Middle School*. Association for Direct Instruction, Eugene, OR.
15. Cook, M., & **Harniss, M. K.** (1998, February). *Mentor, mediator, advisor, friend: The many roles of a faculty/staff advisor*. Symposium conducted at the Midwest Bisexual, Gay, Lesbian, Transgender College Conference. Chicago, IL.
16. Dickson, S., Kinder, D., & **Harniss, M. K.** (1997, July). *Direct Instruction Programs*. Project Choices Annual Conference, Springfield, IL.
17. Blackburn, L., & **Harniss, M. K.**, (1997, October). *Integrating the Internet into Education*. Inservice presentation for Kenzie School, Chicago, IL.
18. **Harniss, M. K.** (1996, August). *Social Studies*. Oregon Educational Association's Summer Academy, Eugene, OR.
19. Hagey, C., **Harniss, M. K.**, & Jungjohann, K. (1996, February). *Effects of preteaching in content area classes: Student performance and perceived participation*. Paper presented at the Oregon Conference, Eugene, OR.
20. **Harniss, M. K.**, & Hollenbeck, K. (1995, July). *U.S. history: A problem-solving approach*. Association for Direct Instruction, Eugene, OR.

21. **Harniss, M.K.** (1995, February). *Task requirements of content area textbooks: Effects on academic achievement and engagement*. Paper presented at the Oregon Conference, Eugene, OR.
22. Carnine, D., **Harniss, M. K.**, Crawford, D., & Hollenbeck, K. (1994, July). *U.S. history: A problem-solving approach*. Association for Direct Instruction, Eugene, OR.
23. **Harniss, M. K.** (1994, February). *Gender discrepancies in special education*. Paper presented at the Oregon Conference, Eugene, OR.
24. **Harniss, M. K.** (1993, August). Learning from content area texts. In D. Carnine (Chair), *Integrated Curriculum*. Symposium conducted at the meeting of the Association for Direct Instruction, Eugene, OR.
25. **Harniss, M. K.**, & Crawford, D. B. (1992, October). Curriculum development in United States history: Content and instructional design issues. In D. Leitner (Chair), *Teaching, learning, and curriculum development*. Paper session conducted at the meeting of the Oregon Educational Research Association, Portland, OR.
26. Crawford, D., **Harniss, M. K.**, Hollenbeck, K., & Carnine, D. (1992, February). *Teaching United States history: A thematic approach*. Paper presented at the Oregon Conference, Eugene, OR.

## UNIVERSITY TEACHING AND SUPERVISION

### *Participation in Student Committees*

*M.Ed. Advisor*; 1998-2000. Education Program, University of Washington, Tacoma. (primary adviser for over 24 projects; second reader for over 35 projects)

### *Master's Thesis Committees*

Role	Student	Program	Title	Date
Examiner	Jermaine Dambi	Physiotherapy, University of Cape Town	A comparison of hospital-based and community-based models of cerebral palsy rehabilitation	2013

### *Doctoral Comprehensive Exam Committees*

Role	Student	Program	Date
Graduate Student Representative	Keyu Chen	Engineering, University of Washington	2015
Member	Anne Ordway	Rehabilitation Medicine, University of Washington	2015

### *Doctoral Dissertation Committees*

Role	Student	Program	Title	Date
Graduate Student Representative	Takanori Koyami	Special Education, University of Washington	The Effects of Social Skills Groups for Young Children with Social Delays	2011

### ***Graduate-Level Teaching Experience***

- Specific Numeracy Techniques for Elementary Students with Mild Disabilities (EDSPE 523)
- Instructional Modifications for the Education of Children with Mild Disabilities (EDSPE 545)
- Distance Education Options (TEDUC 568)
- Curriculum Design and Educational Technology (TEDUC 567)
- Education and Technology (TEDUC 566)
- Math Challenges (TEDUC 543)
- Master's Project Seminar (TEDUC 599)
- Instructional Systems for Teaching Students with Learning Disabilities (EPSE 562)
- Research and Writing in Special Education (SPED 661)
- Seminar - Introduction to Professional Writing (SPED 607)
- Design of Instruction for Low Performers (SPED 660)
- Seminar - Instructional Assessment (SPED 607)

### ***Postbaccalaureate Teaching Experience***

- Literacy in Math and Science (TEDUC 494)
- Technology for Teaching (TEDUC 476)
- Topics in Literacy Instruction: Language Arts (TEDUC 453)
- Topics in Numeracy: Foundations of Mathematics Instruction (TEDUC 461)
- Field Experience I (TEDUC 491)

### ***Undergraduate Teaching Experience***

- Disability Law, Policy, and the Community (DIS ST/LSJ/CHID 433)
- Disability in Limited Resource Environments: Brazil (REHAB 496/DIS ST 430)
- Instructional Systems- Math (EPSE 460)
- Instructional Systems- Language Arts (EPSE 459)
- Technology and People with Disabilities (EPSE 421)
- Field Experience-Special Education (EPSE 482)

## **PROFESSIONAL ACTIVITIES AND SERVICE**

### ***International Service***

- *Co-Organizer, 2013, Symposium on Disability, Technology and Rehabilitation in Low and Middle Income Countries.* Seattle, WA.

### ***National Service***

- *Grant Reviewer, 2012, Patient-Centered Outcomes Research Institute—Online Review*
- *Guest Reviewer, 2013, Disability & Rehabilitation: Assistive Technology*
- *Guest Reviewer, 2011, The Journal of Special Education.*
- *Ad hoc Grant Reviewer, 2008-present, NIH SBIR Panel on Science Education, Communication and Childhood Disorders BBBP-T (10) B*

- *Co-Chair Technology Subcommittee*, July, 2008-April, 2009, Local Area Coordinating Committee for the 2009 Council on Exceptional Children National Conference.
- *Grant Reviewer*, June, 2003, *Effective Mathematics Education*, Institute for Education Sciences (IES), Department of Education.
- *Consulting Editor*, January, 1998-2012, Editorial Board of *Remedial and Special Education*.
- *Member*, July, 1998-2001, Editorial Board of *Career Development for Exceptional Individuals*.
- *Grant Reviewer*, September, 1997, *Preparing Tomorrow's Teachers to Use Technology (PT3)*, Department of Education.