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Senior Lecturer
Department of Speech & Hearing Sciences
University of Washington
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EDUCATION:

Ph. D. Speech & Hearing Sciences
University of Washington
Seattle, WA (1992)

M.S. Speech Pathology
University of Washington
Seattle, Washington (1980)

B.A. Linguistics
State University of New York
Binghamton, New York (1974)

CURRENT POSITIONS:

2013 – present Senior Lecturer, Department of Speech & Hearing Sciences, University of Washington, Seattle, WA 98195
1996 – present Clinical Assistant Professor, Rehabilitation Medicine, University of Washington, Seattle, WA 98195

CURRENT UW TEACHING RESPONSIBILITIES:

SPHSC 540: AAC: Developmental Disorders
SPHSC 541: AAC: Acquired Disorders
SPHSC 507: Evidence Based Practice
SPHSC 500: Clinical Methods for Documenting Change
SPHSC 308: Social-Cultural Aspects of Communication

PREVIOUS PROFESSIONAL EXPERIENCE:

2007 – 2013 Co-P.I.; Triadic Eye Gaze Project; Department of Speech & Hearing Sciences, University of Washington, Seattle, WA 98195
1996 – 2013 Clinical Assistant Professor, Department of Speech & Hearing Sciences, University of Washington, Seattle, WA 98195
2001 – 2006 P.I., AAC enABLES Project; Department of Speech & Hearing Sciences, University of Washington, Seattle, WA 98195
1999 - 2001 Grant Coordinator: “Tele-Collaboration Project”
Department of Speech & Hearing Sciences, UW, Seattle, WA
1992 - 1999 Coordinator, Children's Adaptive Technology Service
Children's Hospital and Medical Center, Seattle, WA
1989 - 1991 Coordinator, Clinic for Augmentative Communication
Children's Hospital of Eastern Ontario and
Ottawa Children's Treatment Centre, Ottawa, Ontario, Canada
1987 - 1989 Assistant to the P.I., Augmentative Communication Inservice Training
Project, University Hospital, Seattle, WA
1981 - 1987 Staff Speech Pathologist & Research Speech Pathologist
Department of Rehabilitation, University of Washington, Seattle, WA
1980 - 1981 Consulting Speech Pathologist, Marilyn Weiss Associates, Seattle

PROFESSIONAL CERTIFICATION:

Certificate of Clinical Competence, Speech Pathology, American Speech-Language-Hearing Association

PROFESSIONAL MEMBERSHIPS:

American Speech-Language-Hearing Association (ASHA)
International Society for Augmentative and Alternative Communication (ISAAC)
Washington Speech-Language-Hearing Association (WSLHA)
NorthWest Augmentative Communication Society (NWACS)

PROFESSIONAL ACTIVITIES:

Member of Expert Panel, NIH Funded Project

1. Infant Assessment of Early Communication Risk Factors: The ISCBS . (PI: Cynthia Cress).
2. Infant Screening of Early Communication Risk Factors: The CISS. (PI: Cynthia Cress).

Consultant, NIH Funded Project

The CCS: A Treatment Outcome Measure for Individuals with Severe ID (PI: Nancy Brady)

Ad Hoc Scholarship Review Committee:

Council of Academic Programs in Communication Sciences and Disorders (CAPCSD)

Ad Hoc Conference Reviewer:

ASHA Convention Committee
ISAAC Convention Committee

Ad Hoc Reviewer:

Journal of Augmentative and Alternative Communication (AAC)
American Journal of Speech-Language Pathology (AJSLP)

PUBLICATIONS: PEER REVIEWED

- Olswang, L.B., **Dowden, P.**, Julie Feuerstein, Kathryn Greenslade, Gay Lloyd Pinder, and Kandace Fleming. (2014). Early Intervention for Intentional Communication in Young Children with Severe Disabilities. *Journal of Speech, Language & Hearing Research*, 57, 1740-1753.
- Olswang, L., Feuerstein, J., Pinder, G.L. & **Dowden, P.** (2013). Validating dynamic assessment of triadic gaze for young children with severe disabilities. *American Journal of Speech-Language Pathology*, 22(3), 449-462. Pubmed: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3841076/>
- Brady, N.C., Fleming, K., Thiemann-Bourque, K., **Dowden, P.**, Saunders, M.D. & Marquis, J. (2012). Development of the Communication Complexity Scale. *American Journal of Speech-Language Pathology* (21) 16-28
- Saunders, R.R., Sanders, M.D., Struve, B., Munce, A.L., Olswang, L.B., **Dowden, P.A.** & Klasner, E.R. (2007). Discovering indices of contingency awareness in adults with multiple profound disabilities. *American Journal on Mental Retardation*, 112, 246-260.
- Dowden, P.** (2006) "Teaching Evidence Based Practice at the Preservice Level" *Perspectives on Augmentative and Alternative Communication*, ASHA Division 12 Newsletter, Vol 15(3). p. 22-23.
- Dowden, P.A.**, Alarcon, N., Volan, T., Cumley, G.C., Kuehn, C.M. and Amtmann, D. (2006) Survey of SLP Caseloads in Washington State Schools: Implications and Strategies for Action. *Language, Hearing and Speech Services in the Schools*
- McNaughton, D, Beukelman, D. & **Dowden, P.A.** (1999) "Tools to Support International and Intercommunity Collaboration in AAC Research." *Augmentative and Alternative Communication*, 15 (4), December.
- Dowden, P.A.** "Index of Augmented Speech Comprehensibility in Children (I-ASCC): Development and use in AAC decision-making". *Augmentative and Alternative Communication*, 13 (1), March, 1997.
- Dowden, P.A.** and Marriner, N.A. "Augmentative and Alternative communication: Intervention principles and strategies" In Caruso, A. (Ed.) *Treatment for Children with Motor Speech Disorders. Seminars in Speech and Language*. Vol 16 (1995)
- Yorkston, K.M., Honsinger, M.J., **Dowden, P.A.** and Marriner, N. "Vocabulary Selection: A case report" *Augmentative and Alternative Communication* 5(2), 101-108, June, 1989.
- Dowden, P.A.**, Beukelman, D.R., and Lossing, C.: Serving Non-Speaking Patients in Acute Care Settings: Intervention outcomes. *Augmentative and Alternative Communication*. 2(2), 38-44, 1986.

Honsinger, M.J., Yorkston, K.M. & **Dowden, P.A.** Communication Options for Intubated Patients. Respiratory Management, May/June, 1987.

Dowden, P.A., Honsinger, M., and Beukelman, D.R.: Serving Non Speaking Patients in Acute Care Settings: An intervention approach. Augmentative and Alternative Communication. 2(1), 25-32, 1986.

PUBLICATIONS: PEER REVIEWED CONFERENCE PROCEEDINGS

O'Leary, K., Delahunt, C., **Dowden, P.**, Darmansya, I., Heng, J., Riskin, E.A., Ladner, R.E. and Wobbrock, J.O. (2012). Design goals for a system for enhancing AAC with personalized video. Proceedings of the ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '12). Boulder, Colorado (October 22-24, 2012). New York: ACM Press, pp. 223-224.

Bilmes, J., Malkin, J., Li, X., Harada, S., Kilanski, K., Kirchoff, K., Wright, R., Subramanya, A., Landay, J., **Dowden, P.**, Chizeck, H. "The Vocal Joystick," IEEE Intl. Conf. on Audio, Speech and Signal Processing, Toulouse, France, May, 2006.

Bilmes, J.A., Li, X., Malkin, J., Kilanski, K., Wright, R., Kirchoff, K., Subramanya, A., Harada, S., Landay, J.A., **Dowden, P.**, and Chizeck, H. (2005) "The Vocal Joystick: A VoiceBased Human Computer Interface for Individuals with Motor Impairments." UWEE Technical Report, UWEETR-2005-0007, July, 2005.

Bilmes, J., Li, X., Malkin, J., Kilanski, K., Wright, R., Kirchoff, K., Subramanya, A., Harada, S., Landay, J., **Dowden, P.**, Chizeck, H. (2005) The Vocal Joystick: A Voice-Based Human-Computer Interface for Individuals with Motor Impairments," Human Language Technology Conf. and Conf. on Empirical Methods in Natural Language Processing, Vancouver, Canada, Oct, 2005.

Bilmes, J., Li, X., Malkin, J., Kilanski, K., Wright, R., Kirchoff, K., Subramanya, A., Harada, S., Landay, J., **Dowden, P.**, Chizeck, H. (2005) "The Vocal Joystick Demo at UIST05: A Voice-Based Human-Computer Interface," Proceedings of the 18th Annual ACM Symp. On User Interface Software and Technology, Seattle, Oct, 2005.

Yorkston, K. M., **Dowden, P.A.** and Honsinger, M. "Natural speech as a component of augmentative communication systems," Presentation at the conference for the International Society for Augmentative and Alternative Communication, Anaheim, CA; Abstract in Augmentative and Alternative Communication 4(3): 149, 1988.

Dowden, P.A., Marshall, R.C., Tompkins, C.A.: Amer-Ind Sign as a Communicative Facilitator for Aphasic and Apraxic Patients. Proceedings of the Clinical Aphasiology Conference, Minneapolis: BRK Publishers, 133-140, 1981.

PUBLICATIONS: BOOK CHAPTERS

Dowden, P. & Cook, A.M. (2011) "Improving Communicative Competence through Alternative Selection Methods" in Susan S. Johnston, Ph.D., Joe Reichle, Ph.D., Kathleen M. Feeley, Ph.D., and Emily A. Jones, Ph.D. (Eds.) Augmentative and Alternative Communication Strategies for Individuals with Severe Disabilities Baltimore, MD: Brookes Publishing, p. 81-117.

Dowden, P.A. and Cook, A. M. (2002) Choosing Effective Selection Techniques for Beginning Communicators. In J. Reichle, D. Beukelman & J. Light (Eds.). Exemplary Practices for Beginning Communicators. (pp. 395-431). Baltimore, MD: Paul H. Brookes.

Dowden, P.A. (1999). Augmentative & Alternative Communication for Children with Motor Speech Disorders. In Caruso, A., and Strand, E. A. (Eds.) Clinical Management of Motor Speech Disorders of Children. New York: Thieme Publishing Co. 345-384.

Yorkston, K.M., **Dowden, P.A.** & Beukelman, D.R. "Intelligibility as a tool in the clinical management of dysarthric speakers," in R.D. Kent (ed.), Intelligibility in speech disorders: Theory, measurement and management. Amsterdam, John Benjamins, 1992.

Hammen, V.L., Yorkston, K.M., & **Dowden, P.A.** "Index of contextual intelligibility I: Impact of semantic context in dysarthria" in C. Moore, K.M. Yorkston, & D.R. Beukelman (eds.), Dysarthria and apraxia of speech: Perspectives on intervention. Baltimore: Paul Brookes, 1991.

- Yorkston, K.M., Hammen, V.L., & **Dowden, P.A.** "Index of contextual intelligibility II: A perceptual analysis of intelligible versus unintelligible productions in severe dysarthria" in C Moore, KM Yorkston, DR Beukelman (eds.), Dysarthria and apraxia of speech: Perspectives on intervention. Baltimore: Paul H. Brookes, 1991.
- Dowden, P.A.:** Training Strategy - Augmentative Techniques in Intensive Care Units. In Blackstone, S. (Ed.) Augmentative Communication: An Introduction. Rockville, MD: American Speech-Language-Hearing Association, 1987
- Dowden, P.A.** and Beukelman, D.R.: Rate Accuracy and Message Flexibility. In Bernstein, L. E. (Ed.), The Vocally Impaired: Volume 1 - Clinical Research and Practice. Academic Press, 1987.
- Beukelman, D.R., Yorkston, K.M. and **Dowden, P.A.:** Communication Augmentation: A Casebook of Clinical Management. San Diego: College Hill Press, 1985.
- Yorkston, K.M. and **Dowden, P.A.:** Non-Speech Language and Communication Systems. In A. Holland (Ed.), Recent Advances: Language Disorders. San Diego: College Hill Press, 1983.

PUBLICATIONS: OTHER

- Dowden, P.A.** (1999) "Different strokes for different folks" Augmentative Communication News, Vol 12 (1 and 2), p 7-8.

REFEREED CONFERENCE PRESENTATIONS

- Dowden, P.**, Feuerstein, J.L. & Olswang, L.B. (2016) "PoWRRS Play communication protocol for young children with physical disabilities: Moving evidence into practice" Biennial Conference for the International Society of Augmentative and Alternative Communication (ISAAC). Toronto, Canada. (August, 2016)
- Dowden, P.** (2016) "Triadic Gaze: Assessment & Intervention in Children with Severe Impairments" Presentation at Early Intervention State of the Science symposium, Stockholm, Sweden. (May, 2016)
- Olswang, L.B., Greenslade, K., Feuerstein, J.L. & **Dowden, P.** (2014) "Step-by-Step: Moving from Efficacy to Implementation in Early Intervention." ASHA Seminar, Orlando, FL (November, 2014)
- Feuerstein, J.L., **Dowden, P.** & Olswang, L.B. (2013) "Acquisition of triadic gaze in young children with severe impairments: examining growth trajectories." ASHA Seminar, Chicago, IL (November, 2013)
- Dowden, P.**, Feuerstein, J.L., Olswang, L.B & Pinder, G.L. "Early intervention for intentional communication in children with physical disabilities". ASHA Seminar, Atlanta, GA. (November, 2012)
- Brady, N., Thiemann-Bouque, K., **Dowden, P.**, Olswang, L.B "The Communication Complexity Scale" part of a larger seminar on "New Approaches to Assessment for Early Communicators". ASHA Seminar, Atlanta, GA. (November, 2012)
- Dowden, P.** & Feuerstein, J.L., Olswang, L.B. & Pinder, G.L. "Dynamic Assessment in Early Intervention: Advancing Early Signals in Children with Significant Motor Impairment" Biennial Conference for the International Society of Augmentative and Alternative Communication (ISAAC). Pittsburgh, PA. (August, 2012)
- Olswang, L., Stratton, J., Pinder, G.L. & **Dowden, P.** "Intervention for Young Children With Severe Impairments: Dynamic Assessment" ASHA Seminar, San Diego, CA. (November, 2011)
- Schlosser, R.W., Eysenbach, G., **Dowden, P.**, Sigafos, J., Raghavendra, P., Blackstone, S., O'Brien, K & El-Kherba, M. EVIDAAC: A database of appraised evidence in AAC. ASHA Seminar, New Orleans (November, 2009)
- Munce, A, **Dowden, P.**, Olswang, L., Saunders, D., Saunders, M. and Klasner, E. "Adults with Severe Multiple Disabilities: Types and Frequencies of Behaviors. Technical session presentation at ASHA Convention, Los Angeles, CA. (November, 2005)
- Dowden, P.**, "Enhancing AAC Education through Communication Technologies" Biennial Conference for the International Society of Augmentative and Alternative Communication (ISAAC), Washington, D.C. (August, 2000)
- Dowden, P.** "Distance Education & AAC" ASHA Seminar, San Antonio, Texas (November, 1998)

- Dowden, P.** "Clinical Uses of the Internet & WWW: AAC as a Model" ASHA Double Seminar, Seattle. (November, 1996)
- Dowden, P.** "The Power of the Internet & WWW for AAC Users" Biennial Conference of the International Society for Augmentative and Alternative Communication (ISAAC), Vancouver, BC. (August, 1996)
- Dowden, P.** "Distance Learning & AAC" Biennial Conference of the International Society for Augmentative and Alternative Communication, Vancouver, B.C. (August, 1996)
- Dowden P.A.** "Effects of Listener Training on the Intelligibility of Severely Dysarthric Speech," ASHA Seminar, Anaheim, CA. (November, 1993)
- Dowden, P.A.,** Yorkston, K.M., and Stoel-Gammon, C. 1987. Speech intelligibility of augmented system users: Effects of context. ASHA Seminar, Los Angeles, CA (November, 1987)

INTERNATIONAL COLLOQUIA - INVITED

- Dowden, P.** Triadic Gaze Assessment & Intervention in Children with Severe Physical Impairments. Invited presentation at the "Early Intervention State of the Science" Symposium affiliated with the International Conference on Cerebral Palsy and other Childhood-onset Disabilities, Stockholm, Sweden (2016)
- Dowden, P.** Joint Attention & Communication in Children with Motor Impairments. Presentation at Linköping University, Linköping, Sweden. (2009)
- Dowden, P.** Continuum of Communication Independence: A framework for AAC Intervention. Presentation at Linköping University, Linköping, Sweden. (2009)
- Dowden, P.** "AAC Intervention Planning with the Continuum of Communication Independence. ID-Days Annual Conference. Stockholm, Sweden. (2005)
- Dowden, P.** "Vocabulary Selection in AAC. ID-Days Annual Conference. Stockholm, Sweden. (2005)

INVITED PRESENTATIONS & WORKSHOPS

- Dowden, P.** "Serving Non-speakers in Medical Settings : Quick Strategies" One day workshop for Speech-Language Pathologists hosted by WSLHA. (October, 2014)
- Dowden, P.** "Serving Non-speakers in Medical Settings : Quick Strategies" One day workshop for Speech-Language Pathologists hosted by WATAP. (March, 2013)
- Dowden, P.** "When Mobile Technology is Already Part of the AAC Mix" Northwest Augmentative Communication Society, Seattle, WA. (February, 2013)
- Dowden, P.** "Mobile Technology and Augmentative Communication: A Revolution in Service Delivery" Justus F. Lehmann Symposium, Seattle, WA (May, 2012)
- Dowden, P. & Revelli, M.** "The iPad & Other Mobile Technology for AAC in Early Intervention Programs" Boyer Children's Center, Seattle, WA. (February, 2012)
- Dowden, P.** "Serving Non-speakers in Medical Settings" One day workshop for Speech-Language Pathologists hosted by WSLHA. (February, 2012)
- Revelli, M. & **Dowden, P.** "Mobile Technology and Augmentative Communication" Annual convention for Washington Speech-Language and Hearing Association, Wenatchee, WA. (November, 2011)
- Dowden, P.** "AAC & Mobile Technology" Northwest Augmentative Communication Society. (Oct, 2011)
- Dowden, P. & Revelli, M.** "AAC & Mobile Technology" Duncan Seminar, Seattle Children's Hospital. (May, 2011)
- Stratton, J., & **Dowden, P.** "Early Communication Signals of Young Children with Severe Motor Impairments." Duncan Seminar, Seattle Children's Hospital (May, 2011)
- Dowden, P.** AAC Intervention Planning with the Continuum of Communication Independence. Workshop for Children's Therapy Center, Kent. (2007)
- Dowden, P.** AAC Intervention Planning with the Continuum of Communication Independence. Workshop for Lowell School, Seattle. (2007)
- Dowden, P.** Augmentative Communication for Individuals with Acquired Disorders. WSLHA, Seattle, WA. (2007)

- Dowden, P.** AAC Decision-Making & Intervention Planning for Children and Adults. Tacoma School District Workshop. Tacoma, WA (2006)
- Dowden, P.** Teaching Evidence Based Practice at the Preservice Level. ASHA Division 12 Annual Leadership Conference. San Antonio, TX (2006)
- Dowden, P.** “AAC Decision-Making & Intervention Planning for Children and Adults. Rehab Seminars Workshop. Seattle, WA (2006)
- Dowden, P.** “Augmentative and Alternative Communication. DO-IT Seminar. Seattle, WA (2005)

INSTITUTIONAL SERVICE TO UNIVERSITY OF WASHINGTON

UW PhD Committees (outside of SPHSC)

Special Education
 Educational Psychology
 Computer Science & Engineering
 Electrical Engineering

For UW Rehabilitation Medicine:

- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine (October, 2015)
- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine (October, 2014)
- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine (February, 2014)
- Dowden, P.** AAC & ‘Small’ Technology. Workshop for the Summer Institute at the Center for Technology and Disability Studies, University of Washington (June, 2010)
- Dowden, P.** Augmentative & Alternative Communication: An Introduction. Workshop for the Summer Institute at the Center for Technology and Disability Studies, UW. (June, 2008)
- Dowden, P.** Augmentative & Alternative Communication. Workshop for the Summer Institute at the Center for Technology and Disability Studies, University of Washington (June, 2007)
- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine (February, 2007)
- Dowden, P.** Augmentative & Alternative Communication. Workshop for the Summer Institute at the Center for Technology and Disability Studies, University of Washington. (June, 2006)
- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine. (February, 2006)
- Dowden, P.** Augmentative & Alternative Communication. Workshop for the Summer Institute at the Center for Technology and Disability Studies, University of Washington. (June, 2005)
- Dowden, P.** Introduction to AAC. Presentation to Occupational Therapy students in Rehabilitation Medicine. (February, 2006)

COMMUNITY SERVICE TO CITY OF SEATTLE

- Master Carbon Coach** (2011-2012). A train-the-trainer approach to community engagement around climate change, sponsored by the City of Seattle as part of Seattle Climate Action.