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EDUCATION 1

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| Massachusetts Institute of Technology  | Cambridge, MA |
| Degree: SM/PhD, Electrical Engineering and Speech Perception   | February 2001 |
| SM Thesis: "The Effects of Speaking Rate on the Intelligibility of Speech for Various Speaking Modes"  |               |
| Doctoral Dissertation: "Properties of Naturally Produced Clear Speech and Implications for Intelligibility Enhancement"                      |               |
| Advanced Coursework: Speech Communication; Digital Speech Processing; Automatic Speech Recognition; Stochastic Processes, Detection and Esti |               |





R01 DC00117 Braida (PI), "Hearing Aid Research"  
Agency: NIH (NIDCD)  
Role: Research Assistant (2/01/97-2/01/01), Post-doctoral Associate (3/01/01-7/31/03)

R43 DC04923-01 Zurek (PI), "Interactive Training in Cued Speech on CD-ROM"  
Agency: NIH (NIDCD)  
Role: Consultant (9/01/01-9/1/02)

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## JOURNAL PUBLICATIONS: 1

1. Jean C. Krause and Andrew K. Hague (2020). Signing Exact English Transliteration: Effects of Accuracy and Lag Time on Message Intelligibility. *J. Deaf Stud. Deaf Edu* Vol. 25, No. 2, pp. 199-211. Advance Access published on Dec 8, 2019, <https://doi.org/10.1093/deafed/enz042>.
2. Jean C. Krause and Athina P. Panagiotopoulos (2019). Speaking Clearly for Older Adults with Normal Hearing: The Role of Speaking Rate. *J. Speech, Lang., Hear. Res.* Vol. 62, No. 10, pp. 3851-3859. Epub on Oct 3, 2019, [https://doi.org/10.1044/2019\\_JSLHR-H-19-0094](https://doi.org/10.1044/2019_JSLHR-H-19-0094)
3. Jean C. Krause and Nancy J. Murray (2019) Signing Exact English transliteration: Effects of speaking rate and lag time on production accuracy. *J. Deaf Stud. Deaf Edu* Vol. 24, No. 3, pp. 234-244. Advance Access published on Apr 23, 2019, <https://doi.org/10.1093/deafed/enz013>. PMID: PMC6546158
4. Jean C. Krause and Katherine A. Lopez (2017). Cued Speech Transliteration: Effects of Accuracy and Lag Time on Message Intelligibility. *J. Deaf Stud. Deaf Edu* Vol. 22, No. 4, pp. 378-392. Advance Access published on Aug 9, 2017, doi:10.1093/deafed/enx024. PMID: PMC5881264
5. Jean C. Krause and Morgan P. Tessler (2016). Cued Speech transliteration Effects of speaking rate and lag time on production accuracy. *J. Deaf Stud. Deaf Edu* Vol. 21, No. 4, pp. 373-382. Advance Access published on May 24, 2016, doi:10.1093/deafed/enw034. PMID: PMC5008006
6. Jennifer J. Lister, Richard A. Roberts, Jean C. Krause, Danielle DeBiase, and Heather Carlson (2011). "An adaptive clinical test of temporal resolution: with in-channel and across-channel gap detection," *Internat. J. Audio.* Vol. 50, No. 6, pp. 375-384. Epub 2011 Feb 8. PMID: PMC21303227
7. Jean C. Krause, Katherine A. Pelley-Lopez, and Morgan P. Tessler (2011). "A method for transcribing the manual components of Cued Speech," *Speech Comm* Vol. 53, No. 3, pp. 379-389. Available online 14 November 2010, ISSN 0167-6393, DOI: 10.1016/j.specom.2010.11.001. PMID: PMC3079254
8. Catherine L. Rogers, Teresa M. DeMasi, and Jean C. Krause (2010). "Conversational and clear speech intelligibility of /bVd/ syllables produced by native and non-native English speakers," *J. Acoust. Soc. Am* Vol. 128, No. 1, pp. 410-423. PMID: PMC2921438
9. Gail S. Donaldson, Theresa H. Chisolm, Georgina P. Blasco, Leslie J. Shinnick, Katie J. K6n P. Tesadn P.18 Tw ( Vol. 5(.,))TJT74 0 TD

3. Krause, J.C., Duchnowski, P., Braid, L.D.(2010). Automatic Cued Speech. In G. LaSasso, K.L. Crain, J. Leybaert (Eds.), Cued Speech and Cued Language Development of Deaf Students (pp. 487-502). San Diego, CA: Plural Publishing, Inc.

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#### OTHER PUBLICATIONS AND REPORTS: 1

1. Suzanne Boyce, Jean Krause, Sarah Hamilton, Rajka Smiljanic, Ann R. Bradlow, Ahmed Rivera-Campos and Joel MacAuslan (2013). "Using landmark detection to measure clear speech." Proceedings of Meetings on Acoustics, Acoustical Society of America, 1960129. doi:http://dx.doi.org/10.1121/1.4800680
2. Jean Krause, Judy Shepard-Kegl, and Brenda Schick (2006) Educational Interpreter Performance Assessment - Cued Speech Pilot Test Training Manual EIPA Diagnostic Center, Boys Town National Research Hospital, Omaha, NE.
3. Braid, Louis D. and Krause, Jean C.(2000). "Applications cliniques potentielles d'un langage parlé complété produit automatiquement," by Louis D. Braid and Jean C. Krause, in Cahiers de l'Audition, 13 (6), pp.46-54.
4. Paul Duchnowski, Louis Braid, David Lum, Matthew Sexton, Jean Krause, and Smriti Banthia (1998). "Automatic generation of cued speech for the deaf: Status and outlook," Proc. Audio-Vis. Speech Conf. AVSP98, pp. 161-166. 1

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#### PRESENTATIONS AT STATE, NATIONAL, AND INTERNATIONAL MEETINGS 1

1. Jean C. Krause (2017). "Factors affecting



7. Math and Physics for Speech and Hearing (SPA 5153) – Fall 2004, Fall 2007, Fall 2008, Fall 2009, Fall 2011, Fall 2012, Fall 2014, Fall 2016, Fall 2017, Fall 2019
8. Doctoral Seminar (SPA 5506) – Fall 2004, Spring 2005, Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2011, Fall 2012, Spring 2013
9. Digital Signal Processing for Speech and Hearing (SPA 7931) – Fall 2009
10. Introduction to Cued Speech and its Applications (SPA 4930 / SPA 6930) – Spring 2006, Spring 2007, Spring 2008,







