

Mary E. Beckman

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Curriculum Vitae

Education and employment:

Professor, Linguistics, Ohio State University, Columbus, OH (hired September, 1985; current rank as of October, 1993; became a Humanities Distinguished Professor in September 2003); courtesy appointment in the Department of Speech & Hearing Science (as of October, 1999); faculty for the Interdisciplinary Master of Arts, East Asian Studies Center (since the founding of this program in 2005).

Postdoctoral Member Technical Staff, Dept. Linguistics & Artificial Intelligence Research, AT&T Bell Laboratories, Murray Hill, NJ (February 1984-September 1985).

Ph.D., Linguistics, Cornell University, Ithaca, NY (January, 1984). Dissertation: *Toward phonetic criteria for a typology of lexical accent*. (M.A., Linguistics, January, 1982).

M.A., Oriental Languages, University of California, Berkeley, CA (June, 1979). Thesis: *Kungana evidence for the number of phonemically distinct syllables in Old Japanese*.

A.B., Oriental Languages & Comparative Literature, U. California, Berkeley, CA (June 1976). Thesis: *Epic qualities in the Heike Monogatari*.

Dissertations and theses advised, Ohio State University:

Keith Johnson (Ph.D., 1988). *Processes of speaker normalization in vowel perception*.

Kenneth de Jong (Ph.D., 1991). *The oral articulation of English stress accent*.

Maria G. Swora (B.A., 1990). *The intonation of "Okay" as a discourse marker*.

Sun-Ah Jun (Ph.D., 1993). *The phonetics and phonology of Korean prosody*.

Sook-hyang Lee (Ph.D., 1994). *The role of the jaw in consonant articulation*.

Shu-hui Peng (Ph.D., 1996). *Phonetic implementation and perception of segmental coarticulation and tone sandhi*.

Gayle Ayers Elam (Ph.D., 1996). *Nuclear accent types and prominence: Some psycholinguistic experiments*.

Kevin Bretonel Cohen (M.A., 1996). *Vowel production and vocal tract evolution*.

Rebecca Herman (Ph.D., 1998). *Intonation and discourse structure in English: Phonological and phonetic markers of local and global discourse structure*.

Jennifer Venditti (Ph.D., 2000). *Discourse structure and attentional salience effects in Japanese intonation*.

Mariapaola D'Imperio (Ph.D., 2000, co-advised with Keith Johnson). *Perceptual considerations on tone targets and their alignment*.

Amanda Miller-Ockhuizen (Ph.D., 2001). *Grounding Ju|'hoansi phonotactics: The phonetics of the Guttural OCP and other acoustic modulations*.

Stefanie Jannedy (M.A., 1994). *Prosodic and segmental influences on high vowel devoicing in Turkish*. (Ph.D., 2002). *Hat patterns and double peaks: The phonetics and psycholinguistics of broad versus late narrow versus double focus intonations*.

Pauline Welby (Ph.D., 2003). *The slaying of Lady Mondagreen, being a study of French tonal association and alignment and their role in speech segmentation*.

Giorgos Tserdanelis (Ph.D., 2005, co-advised with Brian Joseph). *The role of segmental sandhi in the parsing of speech: Evidence from Greek*.

Kyuchul Yoon (Ph.D., 2005). *Building a prosodically sensitive diphone database for a Korean text-to-speech synthesis system*.

- Wai-Yi Peggy Wong (Ph.D., 2006, co-advised with Marjorie Chan). *Syllable fusion in Hong Kong Cantonese connected speech*.
- Katherine Woznicki (B.A., 2006). *An acoustic analysis of Slovene prosody*.
- Grant McGuire (Ph.D., 2007, co-advised with Keith Johnson). *Phonetic category learning*.
- Helena Riha (Ph.D., 2008). *Lettered words and roman letter characters in Chinese writing: A study of alphabetic writing in Chinese newswires*.
- Fangfang Li (Ph.D., 2008). *The phonetic development of voiceless sibilant fricatives in English, Japanese, and Mandarin Chinese*.
- Eunjong Kong (Ph.D., 2009). *The development of phonation-type contrasts in plosives: Cross-linguistic perspectives*.
- Su Ar Lee (Ph.D., 2010, co-advised with Fernando Martinez-Gil). *Absolute interrogative intonation patterns in Buenos Aires Spanish*.
- Chanelle Mays (B.A., 2010). *Gender differences in English and Japanese “s” versus “sh”*.
- Jocelyn Hardman (Ph.D., 2010, co-advised with Keiko Samimy). *The intelligibility of Chinese-accented English to international and American students at a U.S. university*.
- Oxana Skorniakova (M.A., 2010). *Sensitivity to sub-phonemic variation: Evidence from a Visual Analogue Scale (VAS) goodness-rating task*.

Extramural research and teaching:

- Adjunct Professor, Macquarie Centre for Cognitive Science, Macquarie University, Sydney, Australia (appointed at the founding of this Australian Research Council Special Research Centre in 2000).
- Visiting Faculty at: Linguistic Society of America (LSA) Summer Institute, University of California, Berkeley (6-23 July 2009); LSA Summer Institute, Harvard/MIT (27 June-15 July 2005); LOT Summer School, University of Tilburg (19-23 June 2000); LSA Summer Institute, University of Illinois, Champaign-Urbana (19-29 July 1999); Australian Linguistics Institute, University of Queensland (6-16 July 1998); Dept. Linguistics, University of California, Los Angeles (12-16 February 1996).
- Partner Investigator, *A kinematic and electropalatographic investigation of prosody in Australian English*, Australian Research Council Large Grant to J. Harrington, Macquarie University, Sydney, Australia (A\$180,000, 1997-1999).
- Visiting Researcher, ATR Interpreting Telecommunications Research Laboratories, Kyoto, Japan (Sep-Dec 1994, Mar-May 1995); Visiting Research Scholar, Speech, Hearing and Language Research Centre, Macquarie University, Sydney, Australia (Jan-Feb, 1995).
- Consultant, AT&T Bell Laboratories, Murray Hill, NJ [analysis of Japanese duration patterns] (1981-1982); [analysis and synthesis of Japanese intonation] (1985-1989; 1993-1994).
- Consultant, Eloquent Technology, Inc., Ithaca, NY [documentation of Japanese formant-based speech synthesis system], (1984).

Other professional activities:

- Member of: the Acoustical Society of America (elected Fellow, October 1993; served on Communication Technical Committee, 1994-2000); the Acoustical Society of Japan; the Association for Laboratory Phonology (member-at-large of original Executive Council, 2010-2012); the Linguistic Society of America (elected Fellow, January 2011); the Phonetic Society of Japan; the International Phonetic Association (member of IPA Council, 2003-2011; member of the Permanent Council for the Organization of the International Congresses of Phonetic Sciences, 2011-2019); the International Speech Communication Association.
- Editor, *Journal of Phonetics*, Vols. 18-22 (1990-1994); Editorial Board, *Language and Speech* (1994-1999), *Onsei Kenkyuu* (2000-present), *Journal of Phonetics* (1995-present), *Speech Communication* (2005-present); Ad hoc Associate Editor for special issue of *IEEE*

- Transaction on Speech and Audio Processing* on spontaneous speech processing and recognition (2003-2004).
- Program Committee and Area Coordinator for “Linguistics, Phonetics, Phonology” for InterSpeech 2010, Makuhari (26-30 September 2010).
- Cyberling2009 workshop, Berkeley, CA (17-19 July 2009): invited participant; co-chair of Working Group on Annotation Standards (see white paper at <http://cyberling.elanguage.net/>).
- NSF Linguistics Program Review Panel (2004-2007); NSF CDI 2008 Type II Pre-Proposal Panel (2008).
- NIH Special Study Section, LCOM (July 2007, February 2008, July 2009).
- Advisory Committee, Terascale Linguistics Initiative; presentation on “Some methods and salient results in large- scale phonology” at NSF Workshop on Terascale Linguistics, 25-26 October, 2003; presentation on “Terascale resources for research in prosody-discourse-syntax” at LSA Town Meeting, 8 January 2004.
- Symposium Organizer, “Intonation and Processing,” International Congress of Phonetic Sciences, 3-9 August 2003, Barcelona.
- External Advisory Committee for *Spontaneous Speech: Corpus and Processing Technology*, a Japanese Science and Technology Agency Priority Program inter-institutional large grant to the Tokyo Institute of Technology, the National Institute for Japanese Language, and the Communication Research Laboratory (1999-2004).
- International Advisory Board, LOT [Netherlands Graduate School of Linguistics], a federation of research institutes at the Universities of Amsterdam, Leyden, Nijmegen, Tilburg, and Utrecht (appointed May, 1999).
- Conference organizer (with J. Kingston), First Conference in Laboratory Phonology, Ohio State University, Columbus (13-15 June 1987); Series editor (with J. Kingston), *Papers in Laboratory Phonology* (volumes 1-6), Cambridge University Press (1987-2004).
- Invited Participant at: NSF Workshop for Discussing Research Priorities and Evaluation Strategies in Speech Synthesis, Washington, DC (6-7 August 1998); NSF Workshop on Spoken Language Understanding, Washington, D.C. (10-11 February 1992).
- Member, International Scientific Committee, for: InterSpeech 2010 (also Area Coordinator for Linguistics, Phonology, Phonetics, 25-30 September 2010); Third TIE Conference, Lisbon, Portugal (15-17 September 2008), ICPhS2007, Saarbrücken, Germany (6-11 August 2007), LabPhon10, Paris, France (29 June – 1 July 2006), Speech Prosody 2006, Dresden, Germany (2-5 May 2006), Speech Prosody 2004, Nara, Japan (22-26 March 2004), ESCA Workshop on Intonation, Athens, Greece (18-20 September 1997); Concept to Speech Generation Systems Workshop, 35th Annual Meeting of the Association for Computational Linguistics, Madrid, Spain (11 July 1997); 1st ESCA Tutorial and Research Workshop on Speech Production (4th Speech Production Seminar), Autrans, France (21-24 May 1996); ESCA Workshop on Prosody, Lund University Department of Linguistics and Phonetics, Lund, Sweden (27-29 September 1993).
- Member, Organizing Committee for: *WAVEip*, Victoria University of Wellington (12-14 December 2000); Intonation: Models and ToBI Labeling, a satellite meeting to ICPhS 99, San Francisco, CA (1 August 1999); ATR Workshop on Issues in Temporal Organization for Speech, Turtle Bay, Oahu, HI (7-9 December 1996).
- Invited participant, Prosodic Transcription Workshop, MIT Lab for Computer Science, Cambridge, MA (1-2 August, 1991); Second Prosodic Transcription Workshop, NYNEX Science and Technology, Inc., White Plains, NY (5-6 April 1992); Fourth Prosodic Transcription Workshop, Department of Electrical, Computing, and Systems Engineering, Boston University, Boston, MA (5-6 August 1994);

Organizer, Workshop on Prosodically Transcribed Data and Transcription Tools for Linguistics Research, Ohio State University (17-21 June 1993);
Co-author (with J. Hirschberg), *The ToBI Annotation Conventions*.
Co-author (with G. Ayers Elam), *Guide to ToBI Labelling (A Tutorial Introduction, with Accompanying Example Utterances)*.

Awards:

National Science Foundation. *Doctoral dissertation research: Native-language and native-dialect effects in learning to perceive a difficult phonetic contrast in Korean*. Funds dissertation research of Co-PI Jeffrey J. Holliday (\$9,660), July 2010-June 2012.

National Science Foundation grant no. BCS-0729306, *DHB/Collaborative Research: Using machine learning to model the interplay of production dynamics and perception dynamics in phonological acquisition*, lead institution of a multi-site grant with Eric Fosler-Lussier (co-PI, OSU), Jan Edwards (University of Wisconsin, Madison), Benjamin Munson (University of Minnesota) (\$700,000 over the three institutions), 2008-2011.

National Institute of Deafness and Communication Disorders, DC02932, *A cross-linguistic investigation of phonological development*, with Jan Edwards (\$1,568,486), 2003-2008. [Grant transferred to University of Wisconsin, Madison, in 2005 and subsequent support of technical staff and graduate students at Ohio State University continued as a subcontract.]

SBC/Ameritech Faculty Research Fellowship, *Building Systems to Teach Speech Synthesis*, with Chris Brew (\$24,774), 2001-2002.

Lucent Speech Solutions, *Transcription Services — Phonetic Labelling* (\$50,000), 2000-2001.

Ohio State University, Interdisciplinary Seed Grant, *Establishing a Repository of Linguistically Varied, Prosodically Transcribed Spoken Language Data*. (\$104,222; 1999-2000).

National Institute of Deafness and Communication Disorders, *Assessing phonetic skills in children with articulation disorders of unknown origin*, with J. Edwards, M. Fourakis, & R. Fox (Ohio State University, Speech & Hearing Sciences), (\$546,090), 1998-2000.

Motorola Corporation, *Labelling/Transcription Services* (\$82,800; 1998-1999).

AT&T Corporation, *Transcribing/Labelling Services* (\$181,750), 1997-2000.

Ohio State University Distinguished Scholar Award (\$20,000), 1995.

National Science Foundation, *Prosodically Transcribed Data and Transcription Tools for Linguistics Research* (\$60,000), 1993.

Motorola University Partnership in Research award, *Speech Recognition Based on Acoustic and Auditory Dynamics*, with S. Ahalt (Electrical Engineering) (\$42,924) 1992-1994.

Ohio State University Center for Cognitive Science, Interdisciplinary Seed Grant, *Speech Recognition and Auditory Processing*, with L. Feth & R. Fox (Dept. Speech & Hearing), & S. Ahalt & A. Krishnamurthy (Electrical Engineering) (\$23,228), 1990-1991.

Digital Equipment Corporation grant #1030, *Speech Timing Models in Speech Synthesis by Rule* (\$47,155 toward new equipment, 1990) and equipment award (\$38,328), 1989.

National Science Foundation, grant no. IRI-8902142, *Pilot Project on Speech Recognition using Layered Abduction and Explicit Representation of Speech and Linguistic Knowledge*, with J. Josephson & T. Patten (Computer Science), L. Feth & R. Fox (Speech & Hearing), & A. Krishnamurthy (Electrical Engineering) (\$50,000), 1989.

National Science Foundation, grant no. IRI-8858109, Presidential Young Investigator Award (\$252,537), 1988-1994.

National Science Foundation, grant no. IRI-8617852, *The Organization of Informational Structure in Articulator Movement and Acoustic Duration Patterns* (\$119,257 plus \$4000 supplement awarded under Research Experience for Undergraduates program), 1987-1990

Publications

Books:

- Kingston, J., & Beckman, M. E., eds. (1990). *Papers in Laboratory Phonology I: Between the Grammar and the Physics of Speech*. Cambridge University Press.
- Pierrehumbert, J. B., & Beckman, M. E. (1988). *Japanese Tone Structure (Linguistic Inquiry Monograph Series No. 15)*. MIT Press.
- Beckman, M. E. (1986). *Stress and Non-Stress Accent (Netherlands Phonetic Archives No. 7)*. Foris. (Second printing, 1992, by Walter de Gruyter.)

Articles in journals and other peer-reviewed archival series:

- Syrika, A., Nicolaidis, K., Edwards, J., & Beckman, M. E. (in press, 2011). Acquisition of initial /s/-stop and stop-/s/ sequences in Greek. To appear in *Language and Speech*.
- Edwards, J., Munson, B., & Beckman, M. E. (2011). Lexicon-phonology relationships and dynamics of early language development — A commentary on Stoel-Gammon's 'Relationships between lexical and phonological development in young children'. *Journal of Child Language*, 38(1): 35-40.
- Okalidou, A., Syrika, A., Beckman, M. E., & Edwards, J. (2011). Adapting a receptive vocabulary test for preschool-aged Greek-speaking children. *International Journal of Language and Communication Disorders*, 46(1): 95-107.
- Beckman, M. E., & Edwards, J. (2010). Generalizing over lexicons to predict consonant mastery. *Laboratory Phonology*, 1(2): 319-343.
- Munson, B., Edwards, J., Schellinger, S., Beckman, M. E., & Meyer, M. (2010). Deconstructing phonetic transcription: Language-specificity, covert contrast, perceptual bias, and an extraterrestrial view of *vox humana*. *Clinical Linguistics and Phonetics*, 24(4-5): 245-260.
- Gooden, S., Drayton, K.-A., & Beckman, M. E. (2009). Tone inventories and tune-text alignments: Prosodic variation in 'hybrid' prosodic systems. *Studies in Language*, 33(2), 354-394.
- Li, F., Edwards, J., & Beckman, M. E. (2009). Contrast and covert contrast: The phonetic development of voiceless sibilant fricatives in English and Japanese toddlers. *Journal of Phonetics*, 37(1), 111-124.
- Edwards, J., & Beckman, M. E. (2008). Methodological questions in studying consonant acquisition. *Clinical Linguistics and Phonetics*, 22(12), 937-956.
- Edwards, J., & Beckman, M. E. (2008). Some cross-linguistic evidence for modulation of implicational universals by language-specific frequency effects in the acquisition of consonant phonemes. *Language Learning and Development*, 4, 122-156.
- Beckman, M. E., Munson, B., & Edwards, J. (2007). Vocabulary growth and the developmental expansion of types of phonological knowledge. *Laboratory Phonology* 9, 241-264.
- Munson, B., Edwards, J., & Beckman, M. E. (2005). Phonological knowledge in typical and atypical speech sound development. *Topics in Language Disorders*, 25, 190-206.
- Munson, B., Edwards, J., & Beckman, M. E. (2005). Relationships between nonword repetition accuracy and other measures of linguistic development in children with phonological disorders. *Journal of Speech, Language, and Hearing Research*, 48, 61-78.
- Edwards, J., Beckman, M. E., & Munson, B. (2004). The interaction between vocabulary size and phonotactic probability effects on children's production accuracy and fluency in novel word repetition. *Journal of Speech, Language, and Hearing Research*, 47, 421-436.
- Furui, S., Beckman, M., Hirschberg, J. B., Itahashi, S., Kawahara, T., Nakamura, S., & Narayanan, S. (2004). Introduction to the special issue on spontaneous speech processing. *IEEE Transactions on Speech and Audio Processing*, 12, 394-350.

- Hay, J., Pierrehumbert, J., & Beckman, M. (2003). Speech perception, well-formedness and the statistics of the lexicon. In J. Local, R. Ogden, & R. Temple, eds., *Phonetic Interpretation: Papers in Laboratory Phonology VI*, pp. 58-74. Cambridge: Cambridge University Press.
- Beckman, M. E., & Pierrehumbert, J. (2003). Interpreting 'phonetic interpretation' over the lexicon. In J. Local, R. Ogden, & R. Temple, eds., *Phonetic Interpretation: Papers in Laboratory Phonology VI*, pp. 13-37. Cambridge University Press.
- Beckman, M. E., Yoneyama, K., & Edwards, J. (2003). Language-specific and language-universal aspects of lingual obstruent productions in Japanese-acquiring children. *Journal of the Phonetic Society of Japan*, 7, 18-28.
- Beckman, M. E., Díaz-Campos, M., McGory, J. T., & Morgan, T. A. (2002). Intonation across Spanish, in the Tones and Break Indices framework. *Probus*, 14, 9-36.
- Syrdal, A. K., Hirschberg, J., McGory, J. T., & Beckman, M. E. (2001). Automatic ToBI Prediction and Alignment to Speed Manual Labeling of Prosody. *Speech Communication* 33, 135-151.
- Beckman, M. E., & Edwards, J. (2000). The ontogeny of phonological categories and the primacy of lexical learning in linguistic development. *Child Development*, 71, 240-249.
- Harrington, J., Fletcher, J., & Beckman, M. E. (2000). Manner and place conflicts in the articulation of accent in Australian English. In M. Broe & J. Pierrehumbert, eds., *Papers in Laboratory Phonology V: Language Acquisition and the Lexicon*, pp. 40-51. Cambridge, UK: Cambridge University Press.
- Beckman, Mary E., & Edwards, Jan (2000). Lexical frequency effects on young children's imitative productions. M. Broe & J. Pierrehumbert, eds., *Papers in Laboratory Phonology V: Language Acquisition and the Lexicon*, pp. 208-217. Cambridge, UK: Cambridge University Press.
- Herman, R., Beckman, M., & Honda, K. (1999). Linguistic models of F0 use, physiological models of F0 control, and the issue of 'Mean Response Time'. *Language and Speech* 42, 373-399.
- Edwards, J., Fourakis, M., Beckman, M. E., & Fox, R. A. (1999). Characterizing knowledge deficits in phonological disorders. *Journal of Speech, Language, and Hearing Research* 42, 169-186.
- Jun, Sun-Ah, Beckman, Mary E., Niimi, Seiji, & Tiede, Mark (1997). "Electromyographic evidence for a gestural-overlap analysis of vowel devoicing in Korean," *The Journal of Speech Sciences (The Korean Association of Speech Sciences)*, 1, 153-200.
- Beckman, M. E. (1996). The parsing of prosody. *Language and Cognitive Processes*, 11, 17-67.
- Jung, T.-P., Krishnamurthy, A. K., Ahalt, S. C., Beckman, M. E., & Lee, S. (1996). Deriving gestural scores from articulator-movement records using weighted temporal decomposition. *IEEE Transactions on Speech and Audio Processing*, 4(1), 2-18.
- Beckman, M. E. (1995). On blending and the mora: comments on Kubozono. In B. Connell & A. Arvaniti, eds., *Phonology and Phonetic Evidence: Papers in Laboratory Phonology IV*, pp. 157-167. Cambridge University Press.
- Erickson, E., Honda, K., Hirai, H., & Beckman, M. E. (1995). The production of low tones in English intonation. *Journal of Phonetics*, 23(1/2), 179-188.
- Beckman, M. E., Jung, T.-P., Lee, S., de Jong, K., Krishnamurthy, A. K., Ahalt, S. C., Cohen, K. B. & Collins, M. (1995). Variability in the production of quantal vowels revisited. *Journal of the Acoustical Society of America*, 97(1), 471-490.
- Cole, R., Hirschman, L., Atlas, L., Beckman, M., et al. (1995). The Challenge of Spoken Language Systems: Research Directions for the Nineties. *IEEE Transactions on Speech and Audio Processing*, 3(1), 1-21.

- Beckman, M. E., & Edwards, J. (1994). Articulatory evidence for differentiating stress categories. In P.A. Keating, ed., *Phonological Structure and Phonetic Form: Papers in Laboratory Phonology III*, pp. 7-33. Cambridge University Press.
- de Jong, K., Beckman, M. E., & Edwards, J. (1993). The interplay between prosodic structure and coarticulation. *Language and Speech*, 36, 197-212
- Beckman, M. E., de Jong, K., Jun, S.-A., & Lee, S. (1992). The interaction of coarticulation and prosody in sound change. *Language and Speech*, 35, 45-58.
- Beckman, M. E., Edwards, J., & Fletcher, J. (1992). Prosodic structure and tempo in a sonority model of articulatory dynamics. In G. J. Docherty & D. R. Ladd, eds., *Papers in Laboratory Phonology II: Segment, Gesture, Prosody*, pp. 68-86. Cambridge University Press.
- Beckman, M. E., & Pierrehumbert, J. (1992). Comments on chapters 13 and 14. [original title: Strategies and tactics for thinking about F0 variation]. In G. Docherty & D. R. Ladd, eds., *Papers in Laboratory Phonology II: Segment, Gesture, Prosody*, pp. 387-397. Cambridge University Press.
- Edwards, J., Beckman, M. E., & Fletcher, J. (1991). Articulatory kinematics of final lengthening. *Journal of the Acoustical Society of America*, 89., 369-382.
- Edwards, J., & Beckman, M. E. (1988). Articulatory timing and the prosodic interpretation of syllable duration. *Phonetica*, 45, 156-174.
- Beckman, M. E., & Pierrehumbert, J. B (1986). Intonational structure in Japanese and English. *Phonology Yearbook*, 3, 255-309.
- Beckman, M. E., & Pierrehumbert, J. B. (1987). Tookyoo-go no ontyoo kozoo. [Tone structure in Tokyo Japanese.] *Onsei Gengo*, 2, 1-22.
- Beckman, M. E., & Shoji, A. (1984). Spectral and perceptual evidence for CV coarticulation in devoiced /si/ and /syu/ in Japanese. *Phonetica*, 41, 61-71.
- Beckman, M. E. (1982). Segment duration and the 'mora' in Japanese. *Phonetica*, 39, 113-135. [Reprinted in Natsuko Tsujimura, ed. (2005). *Japanese linguistics: Critical concepts*. Vol. 1, *Phonology and morphology*. Routledge.]

Book chapters:

- Munson, B., Edwards, J., & Beckman, M. E. (in press). Phonological representations in language acquisition: Climbing the ladder of abstraction. In A. C. Cohn, C. Fougerson, M. K. Huffman, eds., *Handbook of Laboratory Phonology*. Oxford University Press.
- Beckman, M. E., & Venditti, J. J. (in press). Intonation. In J. Goldsmith, J. Riggle, & A. Yu, eds., *Handbook of Phonological Theory*, 2nd ed., Blackwell.
- Beckman, M. E., & Venditti, J. J. (2010). Tone and intonation. In W. J. Hardcastle, F. Gibbon, & J. Laver, eds., *Handbook of Phonetic Sciences*, 2nd ed., pp. 603-652. Blackwell.
- Arbisi-Kelm, T., & Beckman, M. E. (2009). Prosodic structure and consonant development across languages. In Marina Vigário, Sónia Frota, & Maria João Freitas (eds.) *Interactions in phonetics and phonology*, pp. 109-136. Amsterdam: John Benjamins.
- Venditti, J. J., Maekawa, K., & Beckman, M. E. (2008). Prominence marking in the Japanese intonation system. In S. Miyagawa & M. Saito, eds., *Handbook of Japanese Linguistics*, pp. 458-514. Oxford University Press.
- Beckman, M. E., Hirschberg, J., & Shattuck-Hufnagel, S. (2005). The original ToBI system and the evolution of the ToBI framework. In S.-A. Jun, ed., *Prosodic Typology: The Phonology of Intonation and Phrasing*, pp. 9-54. Oxford University Press.
- Peng, S., Chan, M. K. M., Tseng, C., Huang, T., Lee, O. J., & Beckman, M. E. (2005). Towards a Pan-Mandarin prosodic annotation system. In S.-A. Jun, ed., *Prosodic Typology: The Phonology of Intonation and Phrasing*, pp. 230-270. Oxford University Press.

- Wong, W. Y. P., Chan, M. K. M., & Beckman, M. E. (2005). An Autosegmental-Metrical analysis and prosodic annotation conventions for Cantonese. In S.-A. Jun, ed., *Prosodic Typology: The Phonology of Intonation and Phrasing*, pp. 271-300. Oxford University Press.
- Beckman, M. E. (2003). Input representations (inside the mind and out). In G. Garding & M. Tsujimura, eds., *WCCFL22*, pp. 70-94. Somerville, MA: Cascadilla Press.
- Pierrehumbert, J., Beckman, M. E., & Ladd, D. R. (2000). Conceptual foundations of phonology as a laboratory science. In Noel Burton-Roberts, Philip Carr, & Gerard Docherty, eds., *Phonological knowledge: Conceptual and empirical issues*, pp. 273-303. Oxford University Press. [Reprinted in A. C. Cohn, C. Fougeron, M. K. Huffman, eds., (2011). *Handbook of Laboratory Phonology*. Oxford University Press.]
- Beckman, M. E., & Cohen, K. B. (2000). Modeling the articulatory dynamics of two levels of stress contrast. In M. Horne, ed., *Prosody: Theory and Experiment. Studies Presented to Gösta Bruce*, pp.169-200. Kluwer.
- Beckman, M. (1999). Phonological Implications. In W. J. Hardcastle & N. Hewlett, eds., *Coarticulation: Theory, Data, and Techniques*, pp. 199-225. Cambridge: Cambridge University Press.
- Beckman, M. E. (1997). A typology of spontaneous speech. In Y. Sagisaka, W. N. Campbell & N. Higuchi, eds., *Computing Prosody*, pp. 7-26. New York: Springer-Verlag.
- Beckman, M. E. (1997). Speech models and speech synthesis. In J. P. H. van Santen, R. Sproat, J. Olive, & J. Hirschberg, eds., *Progress in Speech Synthesis*, pp. 185-209. New York: Springer-Verlag.
- Pierrehumbert, J., Beckman, M., & Ladd, D.R. (1996). Laboratory phonology. In J. Durand & B. Laks, eds., *Current Trends in Phonology: Models and Methods*, pp. 535-548. Salford: University of Salford Publications.
- Beckman, M. E. (1996). When is a syllable not a syllable? In Takashi Otake & Anne Cutler, eds., *Phonological Structure and Language Processing: Cross-Linguistic Studies*, pp. 95-123. Berlin: Mouton de Gruyter.
- Venditti, J. J., Jun, S.-A., & Beckman, M. E. (1996). Prosodic cues to syntactic and other linguistic structures in Japanese, Korean, and English. In J. Morgan & K. Demuth, eds., *Signal to Syntax: Bootstrapping from Speech to Grammar in Early Acquisition*, pp. 287-311. Mahwah, NJ: Lawrence Erlbaum.
- Beckman, M. E. (1994). Suprasegmentals. In R. E. Asher, ed., *The Encyclopedia of Language and Linguistics*, Vol. 8, pp. 4412-4418. Oxford: Pergamon Press.
- Beckman, M. E., & Edwards, J. (1992). Intonational categories and the articulatory control of duration. In Y. Tohkura, E. Vatikiotis-Bateson, & Y. Sagisaka, eds., *Speech Perception, Production and Linguistic Structure*, pp. 356-375. Tokyo: OHM Publishing Co.
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- "Reflections on the phylogeny and ontogeny of vowels, consonants, and other prosodic structures." Institute of Cognitive Science, Carleton University, Ottawa (9 June 2010).
- "Preliminaries to child speech analysis." Plenary talk, annual meeting of the Linguistic Society of America, Chicago, IL (3-6 January 2008).
- "Language-universal and language-specific sources of variability in phonological acquisition." Linguistics Department Colloquium Series, University of California, Berkeley (22 October 2007).
- "Could there be a Pan-Spanish (or even a Pan-Iberian) ToBI-framework system?" Commentary on papers at Workshop on Tonal Transcription, Satellite to PaPI, University of Minho, Braga, Portugal (27 June 2007).
- (in collaboration with Timothy Arbisi-Kelm) "Prosodic structure and consonant development across languages." Keynote address, Phonetics and Phonology in Iberia, University of Minho, Braga, Portugal (25-26 June 2007).
- "Getting beyond nurture vs nature — the case of phonological acquisition." Cogfest, Ohio State University, Columbus, OH (18 May 2007).
- "Markedness, faithfulness, and the sources of variability in phonological acquisition." Department of Linguistics, University of California, Los Angeles (4 May 2007).
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- and Department of Linguistics, National Taiwan University, Taipei (20 April 2007).
- "Contact-related variation in tone and tone-alignment patterns." Colloquium on Language Contact, University of Hamburg (6-8 July 2006).
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- "The nature of constraints on lingual obstruent mastery (and why can't Satoko say her own name?)." Laboratory for Language Development, RIKEN Brain Science Institute, Saitama (15 February 2006).
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