

References

The following abbreviations are used:

J Phonetics Journal of Phonetics

J Acoust. Soc. Am. Journal of the Acoustical Society of America

J Sp Lang Hear Res Journal of Speech Language and Hearing Research

JIPA Journal of the International Phonetic Association

ICSLP International Conference on Spoken Language Processing

ICPhS International Congress of Phonetic Sciences

Abe, M. (1997): Speaking styles: statistical analysis and synthesis by a text-to-speech system. In: van Santen et al. (eds) *Progress in Speech Synthesis*. Springer: New York etc. pp. 495-510.

Abercrombie, D. (1967). *Elements of General Phonetics*. Edinburgh University Press.

Abramson, A.S. & Lisker, L. (1972). Voice-timing perception in Spanish word-initial stops. *J Phonetics* 1, pp. 1-8.

Antoniadis, Z. & Strube, H.W. (1984). Untersuchungen zur spezifischen Dauer deutscher Vokale. *Phonetica* 41, pp. 72-87.

Apple, W., Streeter, L.A. & Krauss, R.M. (1979): Effects of pitch and speech rate on personal attributions. *Journal of Personality and Social Psychology* 37 (5), pp. 715-727.

Banse, R. & Scherer, K.R. (1996) Acoustic profiles in vocal emotion expression. *Journal of Personality and Social Psychology* 70 (3), pp. 614-636.

Barber, C., Mellor, B., Graham, R., Noyes, J.M., Tunley, C. (1996). Workload and the use of automatic speech recognition: The effects of time and resource demands. *Speech Communication* 20, pp. 37-53.

Barden, B. (1991). Sprechgeschwindigkeit und thematische Struktur. Arbeitspapier 15 "Kontextualisierung durch Rhythmus und Intonation", University of Konstanz.

Barik, H.C. (1977). Cross-linguistic study of temporal characteristics of different types of speech materials. *Language & Speech* 20, pp. 116-135.

- Barry, W.J. (1995). Phonetics and phonology of speaking styles. *Proc. ICPHS* (2), Stockholm, pp. 4-10.
- Bartkova, K. (1991). Speaking rate modelization in French application to speech synthesis. *Proc. ICPHS Aix-en-Provence* (3), pp. 482-485.
- Batliner, A., Kießling, A., Kompe, R., Niemann, H., Nöth, E. (1997). Tempo and its change in spontaneous speech. *Proc. Eurospeech Rhodes*, pp. 763-766.
- Baumann, S. & Trouvain, J. (2001). On the Prosody of German Telephone Numbers. *Proc. Eurospeech 2001 Scandinavia*, pp. 557-560.
- Beckman, M.E. & Ayers, G.M. (1994). Guidelines for ToBI labeling. http://ling.ohiostate.edu/Phonetics/E_ToBI/etobi_homepage.html
- Beckman, M.E. & Edwards, J. (1990). Lengthenings and shortenings and the nature of prosodic constituency. *Laboratory Phonology I*, pp. 152-178.
- van Bezooijen, Renee (1984): *Characteristics and Recognizability of Vocal Expressions and Emotions*. (Netherland Phonetic Archives 5). Foris: Dordrecht.
- Berkovits, R. (1991). The effect of speaking rate on evidence for utterance-final lengthening. *Phonetica* **48**, pp. 57-66.
- Bolozky, Shmuel (1977). Fast speech as a function of tempo in natural generative phonology. *Journal of Linguistics* **13**, pp. 217-238.
- Botinis, A., Fourakis, M., Priniou, I. (1999). Prosodic effects on segmental durations in Greek. *Proc. Eurospeech Budapest*, pp. 2475-2478.
- Braunschweiler, N. (1997). Integrated cues of voicing and vowel length in German: a production study. *Language & Speech* **40** (4), pp. 353-376.
- Brubaker, R.S. (1972). Rate and pause characteristics of oral reading. *J Psycholinguistic Research* **1** (2), pp. 141-147.
- Burkhardt, F. (2001). *Simulation emotionaler Sprechweise mit Sprachsyntheseverfahren*. Diss. TU Berlin. Shaker-Verlag.
- Butcher, A. (1981). Aspects of the speech pause: phonetic correlates and communicative functions. *Aipuk* **15** (Arbeitsberichte Institut für Phonetik Kiel).
- Byrd, D. (1992). Sex, dialects, and reduction. *Proc. ICSLP Banff* (1), pp. 827-830.
- Byrd, D. & Tan, C.C. (1996). Saying consonant clusters quickly. *J Phonetics* **24**, pp. 263-282.
- Campbell, W.N. & Isard, S.D. (1991). Segment durations in a syllable frame. *J. Phonetics* **19**, pp. 37-47.

- Carlson, R. & Granstrom, B. (1986). A search for durational rules in a real-speech data base. *Phonetica* **43**, pp. 140-154.
- Carlson, R., Granstrom, B & Klatt, D.H. (1979). Some notes on the perception of temporal patterns in speech. In: Lindblom & Öhmann (eds): *Frontiers of Speech Communication Research*. pp. 233-243.
- Caspers, J. & Van Heuven, V.J. (1991). Phonetic and linguistic aspects of pitch movements in fast speech in Dutch. *Proc. ICPHS Aix-en-Provence* (5), pp. 174-177.
- Clark, H. H. & Fox Tree, J.E. (2002). Using *uh* and *um* in spontaneous speaking. *Cognition* **84**, pp. 73-111.
- Covell, M., Withgott, M. & Slaney, M. (1998). MACH1: Nonuniform time-scale modification of speech. *Proc. IEEE Confer. on Acoustics, Speech and Signal Processing*, Seattle.
- Cowan, M. (1936). Pitch and intensity characteristics of stage speech. *Arch Speech*, Suppl. to December issue.
- Crown, C.L. & Feldstein, S. (1991). The perception of speech rate from sound-silence patterns of monologues. *J Psycholinguistic Research* **20** (1), pp. 47-63.
- Crystal, D. (1969). *Prosodic Systems and Intonation in English*. Cambridge University Press: Cambridge.
- Crystal, T.H. & House, A.S. (1990). Articulation rate and the duration of syllables and stress groups in connected speech. *J Acoust. Soc. Am.* **88** (1), pp. 101-112.
- Dankovičová, J. (1997). The domain of articulation rate in Czech. *J Phonetics* **25**, pp. 287-312.
- Dankovičová, J. (1999). Articulation rate variation within the intonation phrase in Czech and English. *Proc. ICPHS San Francisco*, pp. 269-272.
- Dankovičová, J. & Nolan, F. (1999). Some acoustic effects of speaking style on utterances for automatic speaker verification. *JIPA* **29** (2), pp. 115-128.
- Dauer, R.M. (1983). Stress-timing and syllable-timing reanalyzed. *J Phonetics* **11**, pp. 51-62.
- Deese, J. (1984). *Thought into Speech: The Psychology of Language*. Prentice-Hall: Englewood Cliffs.
- Deutsche Welle, URL "Langsam gesprochene Nachrichten": http://www.dw-world.de/english/0,3367,2146-0-0-B__00.html, retrieved 30/04/2003

- van Dommelen, W. (1982). A contrastive investigation of vowel duration in German and Dutch. *Phonetica* **39**, pp. 23-35.
- van Donzel, M.E. & Koopmans-van Beinum, F.J. (1996). Pausing strategies in discourse in Dutch. *Proc. ICSLP Philadelphia*, pp. 1029-1032.
- Dressler, W. (1975). Methodisches zu Allegro-Regeln. In: Dressler, W. & Mareš, F.V. (eds): *Phonologica 1972*. Wilhelm Fink: München & Salzburg.
- Edwards, J., Beckman, M.E. & Fletcher, J. (1991). The articulatory kinematics of final lengthening. *J Acoust. Soc. Am.* **89** (1), pp. 369-382.
- Eefting, Wieke (1991): *Timing in Talking. Tempo Variation in Production and Its Role in Perception*. Diss. Utrecht.
- Fackrell, J., Vereecken, H., Martens, J.-P. & van Coile, B. (2000): The variation of prosody with text type. *Proc. ESCA/IEEE Workshop on State-of-the-Art in Speech Synthesis*, London, 5/1-5/8.
- Fant, G., Kruckenberg, A. & Nord, L. (1992). Prediction of syllable duration, speech rate and tempo. *Proc. ICSLP Banff*, Canada, pp. 667-670.
- Faulkner, D.S. (1997). *Assessment of the independent contributions of words, syllables and segments to the durations of utterances with reference to the measurement of speech rate*. Ms. Edinburgh University.
- Fischer, K. (1999): Discourse effects on the prosodic properties of repetitions in human-computer interaction”, Proc. *ESCA Workshop on Dialogue and Prosody*, Veldhoven (NL), pp. 123-128.
- Fletcher, J. (1987). Some micro and macro effects of tempo change on timing in French. *Linguistics* **25**, pp. 951-967.
- Fónagy, I. & Magdics, K. (1960). Speed of utterance in phrases of different lengths. *Language & Speech* **3**, pp. 179-192.
- Fougeron, C. & Keating, P.A. (1997). Articulatory strengthening at edges of prosodic domains. *J Acoust. Soc. Am.* **101** (6), pp. 3728-3740.
- Fougeron, C. & Jun, S.-A. (1998). Rate effects on French intonation: prosodic organization and phonetic realization. *J Phonetics* **26**, pp. 45-69.
- Fourakis, M. (1991). Tempo, stress, and vowel reduction in American English. *J Acoust. Soc. Am.* **90** (4), pp. 1816-1827.
- Gaitenby, J.H., (1965). The elastic word. *Haskins Report SR-2*, pp. 3.1-3.12.
- Gay, T. (1978). Effect of speaking rate on vowel formant structures. *J Acoust. Soc. Am.* **63**, pp. 223-230.

- Gay, T. (1981). Mechanisms in the control of speech rate. *Phonetica* **38**, pp. 148-158.
- Gee, J.P. & Grosjean, F., (1983). Performance structures: a psycholinguistic and linguistic appraisal. *Cognitive Psychology* **15**, pp. 411-458.
- Gilbert, J.H. & Burk, K.W. (1969). Rate alterations in oral reading. *Language & Speech* **12**, pp. 192-201.
- Goldman-Eisler, F. (1961). The significance of changes in the rate of articulation. *Language & Speech* **4**, pp. 171-174.
- Goldman-Eisler, F. (1968). *Psycholinguistics. Experiments in Spontaneous Speech.* London & New York: Academic Press.
- Greenberg, S. (1999). Speaking in shorthand - A syllable-centric perspective for understanding pronunciation variation. *Speech Communication* **29**, pp. 159-176.
- Greisbach, R. (1992). Reading aloud at maximal speed. *Speech Communication* **11**, pp. 469-473.
- Griffiths, R. (1990). Speech rate and NNS comprehension: a preliminary study in time-benefit analysis. *Language Learning* **40** (3), pp. 311-336.
- Grosjean, F. (1979). A study of timing in a manual and a spoken language: American sign language and English. *J Psycholinguistic Research* **8**, pp. 379-405.
- Grosjean, F. & Collins, M. (1979). Breathing, pausing and reading. *Phonetica* **36**, pp. 98-114.
- Grosjean, F. & Deschamps, A. (1975). Analyse contrastive des variables temporelles de l'anglais et du français: vitesse de parole et variables composantes, phénomènes d'hésitation. *Phonetica* **31**, pp. 144-184.
- Grunwald, T. (1983). *Reduktion und Kompensation als Funktion der Sprechgeschwindigkeit im Deutschen.* (Forum Phoneticum 28). Hamburg: Buske.
- Guitar, B. & Marchinkoski, L. (2001). Influence of mother's slower speech on their children's speech rate. *J Sp Lang Hear Res* **44**, pp. 853-861.
- Gussenhoven, C. & Rietveld, A.C.M. (1992). Intonation contours, prosodic structure and preboundary lengthening. *J Phonetics* **20**, pp. 283-303.
- Hall, K.D., Amir, O. & Yairi, E. (1999): A longitudinal investigation of speaking rate in preschool children who stutter. *J Sp Lang Hear Res* **42**, pp. 1367-1377.
- Harris, M.S. & Umeda, N. (1974) Effect of speaking mode on temporal factors in speech: vowel duration. *J Acoust. Soc. Am.* **56** (3), pp. 1016-1018.

- Haselager, G.J.T., Slis, I.H. & Rietveld, A.C.M. (1991). An alternative method of studying the development of speech rate. *Clinical Linguistics & Phonetics* **5** (1), pp. 53-63.
- He, L. & Gupta, A. (2001). Exploring benefits of non-linear time compression. Proc. *Conference on Multimedia*, Ottawa, pp. 328-391.
- Hertz, S.R. (1991). Streams, phones and transitions: toward a new phonological and phonetic model of formant timing. *J Phonetics* **19**, pp. 91-109.
- Hewlett, N. & Rendall, M. (1998): Rural versus urban accent as an influence on the rate of speech. *JIPA* **28**, pp. 63-71.
- Hieke, A.E., Kowal, S. & O'Connel, D.C. (1983). The trouble with "articulatory" pauses. *Language & Speech* **26** (3), pp. 203-214.
- Higginbotham, D. J., Drazek, A. L., Kowarsky, K., Scally, C. & Segal, E. (1994): Discourse comprehension of synthetic speech delivered at normal and slow presentation rates. *Augmentative and Alternative Communication* **10**, pp. 191-202.
- House, A.S. (1961). On vowel duration in English. *J Acoust. Soc. Am.* **33** (9), pp. 1174-1178.
- IPDS, Institut für Phonetik und Digitale Sprachverarbeitung (1994). *The Kiel Corpus of Read Speech*, Vol. 1 (CD-ROM). University of Kiel, Germany.
- Iivonen A., Niemi. T. & Paananen, M., (1995). Comparison of prosodic characteristics in English, Finnish and German radio and TV newscasts. *Proc. ICPHS Stockholm* (2), pp. 382-385.
- Janse, E. (2000). Intelligibility of time-compressed speech: three ways of time-compression. *Proc. ICSLP Beijing*.
- Janse, E. (2003). *Production and Perception of Fast Speech*. PhD Thesis Utrecht.
- Jessen, M., Marasek, K., Schneider,K. & Claßen, K. (1995). Acoustic correlates of word stress and the tense/lax opposition in the vowel system of German. *Proc. ICPHS* (4) Stockholm, pp. 428-431.
- Kehrein, R. (2002). *Prosodie und Emotionen*. (Reihe Germanistische Linguistik). Niemeyer: Tübingen.
- Keller, E. & Zellner, B. (1996). A timing model for fast French. *York Papers in Linguistics* **17** (University of York), pp. 53-75.
- Kemper, S. (1994). Elderspeak: Speech accommodations to older adults. *Aging and Cognition* **1**, pp. 17-28.

- Klatt, D.H. (1973) Interaction between two factors that influence vowel duration. *J Acoust. Soc. Am.* **54** (4), pp. 1102-1104.
- Klatt, D.H. (1975). Vowel lengthening is syntactically determined in a connected discourse. *J Phonetics* **3**, pp. 129-140.
- Klatt, D.H. (1976). Linguistic uses of segmental duration in English: acoustic and perceptual evidence. *J Acoust. Soc. Am* **59** (5), pp. 1208-
- Klatt, D.H. (1979). Synthesis by rule of segmental durations in English sentences. In: Lindblom, B. & Öhmann, S. (eds): *Frontiers of Speech Communication Research*. pp. 287-299.
- Kohler, K.J. (1982). Rhythmus im Deutschen. *Aipuk* **19** (Arbeitsberichte Institut für Phonetik Kiel), pp. 89-105.
- Kohler, K.J. (1983a). F0 in speech timing. *Aipuk* **20** (Arbeitsberichte Institut für Phonetik Kiel), pp. 55-97.
- Kohler, K.J. (1983b). Prosodic boundary signals in German. *Phonetica* **40**, pp. 89-134.
- Kohler, K.J. (1986). Invariance and variability in speech timing: from utterance to segment in German. Perkell, J.S. & Klatt, D.H. (eds): *Invariance and Variability in Speech Processes*. Hillsdale, NJ & London. pp. 268-289.
- Kohler, K.J. (1988). Zeitstrukturierung in der Sprachsynthese. *ITG-Fachberichte* **105**, pp. 165-170.
- Kohler, K.J. (1990). Segmental reduction in connected speech in German: phonological facts and phonetic explanations. In: Hardcastle & Marchal (eds): *Speech Production and Speech Modelling*, pp. 69-92.
- Kohler, K.J. (1995). *Einführung in die Phonetik des Deutschen*. Berlin: Erich Schmidt Verlag. 2. Auflage.
- Kohler, K. J. (2000). Linguistic and paralinguistic functions of non-modal voice in connected speech. *Proc. 5th Seminar on Speech Production: Models and Data*. Kloster Seeon, Bavaria, pp. 121-124.
- Koiso, H., Shimojima, A. & Katagiri, Y. (1998). Collaborative signaling of informational structures by dynamic speech rate. *Language & Speech* **41** (3-4), pp. 323-350.
- Koopmans-Van Beinum, F.J. & Van Donzel, M.E. (1996). Discourse structure and its influence on local speech rate. *Proceedings* **20** (Institute of Phonetic Sciences, Amsterdam University), pp. 1-11.

- Kowal, S. (1991). *Über die zeitliche Organisation des Sprechens in der Öffentlichkeit*. Bern: Huber.
- Kowal, S., Wiese, R. & O'Connell, D.C. (1983). The use of time in storytelling. *Language & Speech* **26** (4), pp. 377-392.
- Kröger, B.J. (1996). Zur phonetischen Realisierung von Sprechtempoänderungen unter Einbeziehung von artikulatorischer Reorganisation: Artikulatorische und perzeptive Untersuchungen. In: Gibbon, D. (ed): *Natural Language Processing & Speech Technology, 3rd KONVENS Conference*. Mouton de Gruyter: Berlin & New York, pp. 171-185.
- Kuehn, D.P. & Moll, K.L. (1976). A cineradiographic study of VC and CV articulatory velocities. *J Phonetics* **4**, pp. 303-320.
- Künzel, H.J. (1997). Some general phonetic and forensic aspects of speaking tempo. *Forensic Linguistics* **4**(1), pp. 48-83.
- Künzel, H.J., Braun, A. & Eysholdt, U. (1992). *Einfluss von Alkohol auf Sprache und Stimme*. Heidelberg: Kriminalistik-Verlag.
- Kuwabara, H. (1996): Acoustic properties of phonemes in continuous speech for different speaking rate. *Proc. ICSLP Philadelphia*, pp. 2435-2438.
- Ladd, D.R., Faulkner, D., Faulkner, H., Schepman, A. (1999): Constant "segmental anchoring" of F0 movements under changes in speech rate. *J Acoust. Soc. Am.* **106** (3, Pt. 1), pp. 1543-1555.
- Lane, H. & Grosjean, F. (1973). Perception of reading rate by speakers and listeners. *J Experimental Psychology* **97** (2), pp. 141-147.
- Lehiste, I. (1970). *Suprasegmentals*. Cambridge, MA: MIT Press.
- Lehiste, I. (1972). The timing of utterances and linguistic boundaries. *J Acoust. Soc. Am.* **51** (6 Pt. 2), pp. 2018-2024.
- Lehiste, I. (1973). Rhythmic units and syntactic units in production and perception. *J Acoust. Soc. Am.* **54** (5), pp. 1228-1234.
- Levelt, W.J.M. (1989). *Speaking. From Intention to Articulation*. Cambridge, MA & London: The MIT Press.
- Lindblom, B. (1963). Spectrographic Study of Vowel Reduction. *J Acoust. Soc. Am.* **35** (11), pp. 1773-1779.
- Lindblom, B. (1990). Explaining phonetic variation: a sketch of the H&H theory. In: Hardcastle, W. & Marchal, A. (eds): *Speech Production and Speech Modelling*, pp. 403-439.

- Lindblom, B. & Rapp, K. (1973). *Some temporal regularities of spoken Swedish*. PILUS **21**, (Linguistics Stockholm).
- Lisker, L. (1974). On "explaining" vowel duration variation. *Glossa* **8**, pp. 233-246.
- Lively, S., Pisoni, D., van Summers, W., and Bernacki, R. (1993). Effects of cognitive workload on speech production: Acoustic analyses and perceptual consequences. *J Acoust. Soc. Am.* **93** (5), pp. 2962-2973.
- Luce, P.A. & Charles-Luce, J. (1985). Contextual effects on vowel duration, closure duration, and the consonant/vowel ratio in speech production. *J Acoust. Soc. Am.* **78** (6), pp. 1949-1957.
- Malécot, A., Johnston, R. & Kizziar, P.-A. (1972): Syllabic rate and utterance length in French. *Phonetica* **26**, pp. 235-251.
- Martin, E. (1970): Toward an analysis of subjective phrase structure. *Psychological Bulletin* **74** (3), pp. 153-166.
- Meinholt, G. (1967). Quantität und Häufigkeit von Pausen in gelesenen deutschen Texten im Zusammenhang mit dem Sprechtempo. *Gesellschafts- u. Sprachwissenschafts-Reihe*, Jg. **16** (1) (Wiss. Zeitschrift Universität Jena), pp. 107-111.
- Miller, J.L., Grosjean, F. & Lomanto, C. (1984). Articulation rate and its variability in spontaneous speech: a reanalysis and some implications. *Phonetica* **41**, pp. 215-225.
- Monaghan, A.I.C. (1991). Accentuation and speech rate in the CSTR TTS system. *Proc. ISCA Workshop on Phonetics and Phonology of Speaking Styles* Barcelona, pp. 41/1–41/5.
- Monaghan, A.I.C. (2001). An auditory analysis of the prosody of fast and slow speech styles in English, Dutch and German. In: E. Keller, G. Bailly, A. Monaghan, J. Terken and M. Huckvale (eds.) *Improvements in Speech Synthesis*. Wiley & Sons, pp. 204-217.
- Morgan, N., Fosler, E. & Mirghafori, N. (1997). Speech Recognition using On-line Estimation of Speaking Rate. Proc. *Eurospeech '97*, Rhodes, Greece.
- Morgan Barry, R. (1995). The relationship between dysarthria and verbal dyspraxia in children: a comparative study using profiling and instrumental analyses. *Clinical Linguistics & Phonetics* **9** (4), pp. 277-309.
- Munro, M.J. & Derwing, T.M. (2001). Modeling perceptions of the accentedness and comprehensibility of L2 speech. *Studies in Second Language Acquisition* (SSLA) **23**, pp. 451-468.

- Murray, I.R. & Arnott, J.L. (1993). Toward the simulation of emotion in synthetic speech: a review of the literature on human vocal emotion. *J Acoust. Soc. Am.* **93** (2), pp. 1097-1108.
- Neweklowsky, G. (1975). Spezifische Dauer und spezifische Tonhöhe der Vokale. *Phonetica* **32**, pp. 38-60.
- Nooteboom, S.G. (1991). Some observations on the temporal organisation and rhythm of speech. *Proc. ICPhS Aix-en-Provence*, pp. 228-237.
- O'Connell, D.C. & Kowal, S. (1972). Cross-linguistic pause and rate phenomena in adults and adolescents. *Journal of Psycholinguistic Research* **1** (2), pp. 155-164.
- O'Connell, D.C. & Kowal, S. (1983). Pausology. In: Sedelow, S.Y. & Sedelow, W.A. (eds) *Computers in Language Research 2*. Berlin, New York, Amsterdam: De Gruyter.
- Ofuka, E., McKeown, J.D., Waterman, M.G. & Roach, P.J. (2000): Prosodic cues for rated politeness in Japanese speech. *Speech Communication* **32** (3), pp. 199-217.
- Oller, D.K. (1973). The effect of position in utterance on speech segment duration in English. *J Acoust. Soc. Am.*, pp. 1235-1247.
- den Os, E. (1985). Perception of speech rate of Dutch and Italian utterances. *Phonetica* **42**, pp. 124-134.
- O'Shaughnessy, D. (1981). A study of French vowel and consonant durations. *J Phonetics* **9**, pp. 385-406.
- Osser, H. & Peng, F. (1964). A cross cultural study of speech rate. *Language & Speech* **7**, pp. 120-125.
- Peterson, G.E. & Lehiste, I. (1960). Duration of syllable nuclei in English. *J Acoust. Soc. Am.* **32** (6), pp. 693-703.
- Pfitzinger, H.R. (1999). Local speech rate perception in German speech. *Proc. ICPhS San Francisco*, pp. 893-896.
- de Pijper, J.R. & Sanderman, A.A. (1994): On the perceptual strength of prosodic boundaries and its relation to suprasegmental cues. *J Acoust. Soc. Am.* **96** (4), pp. 2037-2047.
- Pirker, H. & Loderer, G (1999). “‘I said two ti-ckets’: how to talk to a deaf wizard”, Proc. *ESCA Workshop on Dialogue and Prosody*, Veldhoven (NL), pp. 181-185.
- Pisoni, D.P. (1993). Long-term memory in speech perception: some new findings on talker variability, speaking rate and perceptual learning. *Speech Communication* **13**, pp. 109-125.

- Pisoni, D. (1997). Perception of Synthetic Speech. In: van Santen et al. (eds), *Progress in Speech Synthesis*, pp. 541-560.
- Pols, L.C.W., van Santen, J.P.H., Abe, M., Kahn, D. & Keller, E. (1998). The use of large text corpora for evaluating text-to-speech systems. *Proc. LREC* Granada, pp. 637-640.
- Port, R.F. (1981). Linguistic timing factors in combination. *J. Acoust. Soc. Am.* **69** (1), pp. 262-274.
- Portele, T. (1996). Dynamische Anpassung der Sprechgeschwindigkeit. Mehnert, D. (ed.): *7. Konferenz Elektronische Sprachsignalverarbeitung*, Berlin, pp. 238-243.
- Portele, T. (1997). Reduktionen in der einheitenbasierten Sprachsynthese. Proc. *Fortschritte der Akustik - DAGA 97* Kiel, Germany, pp. 386-387.
- Pürschel, H. (1975). *Pause und Kadenz. Interferenzerscheinungen bei der englischen Intonation deutscher Sprecher.* (Linguistische Arbeiten 27). Tübingen: Max Niemeyer Verlag.
- Rieber, R.W., Breskin, S. & Jaffe, J. (1972). Pause time and phonation time in stuttering and cluttering. *J Psycholinguistic Research* **1** (2), pp. 149-154.
- Rietveld, A.C.M. (1975). Untersuchungen zur Vokalldauer im Deutschen. *Phonetica* **31**, pp. 248-258.
- Rietveld, A.C.M. & Gussenhoven, C. (1987). Perceived speech rate and intonation. *J Phonetics* **15**, pp. 273-285.
- Roach, P. (1998). Some languages are spoken more quickly than others. In: Bauer, L. & Trudgill, P. (eds): *Language Myths*. Penguin, pp. 150-158.
- Rodgers, J. (2000). The phonatory correlates of juncture in German. Proc. *5th Seminar on Speech Production: Models and Data*. Kloster Seeon, Bavaria, pp. 289-292.
- de Rooij, J.J. (1979). *Speech punctuation*. Diss. Utrecht.
- Sable, URL "Speech synthesis markup language": <http://www.cstr.ed.ac.uk/projects/sable/sable-spec2.html>, retrieved 30/04/2003
- Samudravijaya, K., Singh, S.K., & Rao, P.V.S. (1998). Pre-recognition measures of speaking rate. *Speech Communication* **24**, pp. 73-84.
- Sanderman, A.A. & Collier, R. (1996). Prosodic rules for the implementation of phrase boundaries in synthetic speech. *J Acoust. Soc. Am.* **100** (5), pp. 3390-3397.

- Scherer, K.R. (1974). Acoustic concomitants of emotional dimensions: judging affect from synthesized tone sequences. In: Shirley Weitz (ed). *Nonverbal Communication*. New York etc.: Oxford University Press.
- Schröder, M. (in preparation). *Emotion and Speech*. Dissertation, University of the Saarland.
- Schröder, M. & Trouvain, J. (2001): The German Text-to-Speech Synthesis System MARY: A Tool for Research, Development and Teaching. To appear in the Proceedings 4th Speech Synthesis Workshop Perthshire, Scotland.
- Siegler, M.A. & Stern, R.M. (1995). On the effects of speech rate in large vocabulary speech recognition systems. Proc. *International Conference on Acoustics and Speech Signal Processing*.
- Simpson, A.P. (1998). *Phonetische Datenbanken des Deutschen in der empirischen Sprachforschung und der phonologischen Theoriebildung*. (Aipuk 33), Arbeitsberichte Universität Kiel.
- Simpson, A.P. (2001). Dynamic consequences of differences in male and female vocal tract dimensions. *J Acoust. Soc. Am.* **109**(5), pp. 2153-2164.
- Slembek, E. (1993). Vorüberlegungen zu Sprechtempo und Pausierung in verschiedenen Kulturen. In: Bonner, M., Braun, E. & Fix, H. (eds): *Nachbarschaften. Festschrift für Max Mangold*. (Beiträge zur Sprache im Saarland. Bd. 11). Saarbrücken, pp. 381-394.
- van Sluijter, A.A.M. & van Heuven, V. (1996). Spectral balance as an acoustic correlate of linguistic stress. *J Acoust. Soc. Am.* **100**(4), pp. 2471-2485.
- Smith, B.L., Brown, B.L., Strong, W.J. & Rencher, A.C. (1975). Effects of speech rate on personality perception. *Language & Speech* **18**, pp. 145-152.
- Sommers, M.S., Humes, L. & Pisoni, D.B. (1994): The effects of speaking rate and stimulus variability on spoken word recognition by young and elderly listeners. *Progress Report* **19**, Speech Research Lab, Indiana University.
- van Son, R.J.J.H. & Pols, L.C.W. (1989): Comparing formant movements in fast and normal rate speech. *Proc. Eurospeech Paris* (2), pp. 665-668.
- Strangert, E. (1991). Pausing in texts read aloud. *Proc. ICPHS*, Aix-en-Provence, pp. 238-241.
- Street, R.L. (1982). Evaluation of noncontent speech accommodation. *Language & Communication* **2** (1), pp. 13-31.
- Street, R.L. & Giles, H. (1982). Speech accommodation theory. In: Roloff, M.E. & Berger, C.R. (eds) *Social Cognition and Communication*. pp. 193-226.

- Streeter, L. (1978). Acoustic determinants of phrase boundary perception. *J Acoust. Soc. Am.* **64** (6), pp. 1582-1592.
- Summerfield, Q. (1981). Articulatory rate and perceptual constancy in phonetic perception. *J Experimental Psychology: Human Perception & Performance* **7** (5), pp. 1074-1095.
- Swerts, M. (1997). Prosodic features at discourse boundaries of different strength. *J Acoust. Soc. Am.* **101**, pp. 514-521.
- Tauroza, S. & Allison, D. (1990): Speech rates in British English. *Applied Linguistics* **11**, pp. 90-115.
- Trouvain, J. (1999): Phonological aspects of reading rate strategies. *Phonus* **4** (Phonetics Saarbrücken), pp. 15-35.
- Trouvain, J. (2000): Zur Langweiligkeit synthetischer Sprache - Welche "Sprecherziehung brauchen maschinelle Sprecher? Vortrag Jahrestagung *Gesellschaft f. Angewandte Linguistik*.
- Trouvain, J., Barry, W. J., Nielsen, C. & Andersen, O. (1998): Implications of energy declinations for speech synthesis. Proc. ESCA/COCOSDA Workshop on *Speech Synthesis*, Jenolan Caves, Australia, pp. 47-52.
- Trouvain, J. & Grice, M. (1999): The effect of tempo on prosodic structure. *Proc. ICPHS* (2), San Franscisco, pp. 1067-1070.
- Trouvain, J. & Barry, William J. (2000): The prosody of excitement in horse race commentaries. Proc. ISCA-Workshop on "Speech and Emotion", Newcastle, Northern Ireland, pp. 86-91.
- Trouvain, J., Koreman, J., Erriquez, A. & Braun, B. (2001): Artculation rate measures and their relations to phone classification of spontaneous and read German speech. *Proc. ISCA Workshop on Adaptation Methods for Speech Recognition*, August 2001, Sophia Antipolis, France.
- Tsao, Y.-C. & Weismer, G. (1997). Interspeaker variation in habitual speaking rate: evidence for a neuromuscular component. *J Sp Lang Hear Res* **40**, pp. 858-866.
- Turk, A.E. (1999). Structural influences on boundary-related lengthening in English. *Proc. ICPHS* San Francisco.
- Turk, A.E. & Sawusch, J.R. (1997). The domain of accentual lengthening in American English. *J Phonetics*.
- Turk, A.E. & White, L. (1999). Structural influences on accentual lengthening in English. *J Phonetics* **27**, pp. 171-206.

- Uchanski, R.M., Choi, S.S., Braida, L.D., Reed, C.M. & Durlach, N.I. (1996): Speaking clearly for the hard of hearing IV: further studies of the role of speaking rate. *J Sp Hear Res* **39**, pp. 494-509.
- Uhmann, S. (1989). On some forms and functions of speech rate changes in everyday conversation. *Working Paper "Kontextualisierung durch Rhythmus und Intonation"* **7**, University of Konstanz.
- Vaane, E. (1982). Subjective Estimation of Speech Rate. *Phonetica* **39**, pp. 136-149.
- Walker, J.F., Archibald, L.M.D., Cherniak, S.R. & Fish, V.G. (1992). Articulation rate in 3- and 5-year-old children. *J Speech and Hearing Research* **35**, pp. 4-13.
- Wells, B. & Peppé, S. (1996). Endind up in Ulster: prosody and turn-taking in English dialects. In: Couper-Kuhlen, E. & Selting, M. (eds). *Prosody in Conversation. Interactional Studies*. Cambridge: Cambridge University Press, pp. 101-130.
- Weijer, J. van de (1997). Language input to a prelingual infant. *Proc. GALA '97 Conf. on Language Acquisition*. Edinburgh, Scotland, pp. 290—293.
- Whiteside, S. (1996). Temporal-based acoustic-phonetic patterns in read speech: some evidence for speaker sex differences. *JIPA* **26** (1), pp. 23-40.
- Whiteside, S.P. & Hodgson, C. (2000). Speech patterns of children and adults elicited via a picture-naming task: An acoustic study. *Speech Communication* **32** (4), pp. 267-285.
- Wiese, R. (1983). *Psycholinguistische Aspekte der Sprachproduktion*. Hamburg: Buske.
- Wightman, C., Shattuck-Hufnagel, S., Ostendorf, M. & Price, P.J. (1992). Segmental durations in the vicinity of prosodic phrase boundaries. *J Acoust. Soc. Am.* **91** (3), pp. 1707-1717.
- Wood, S. (1973). Speech tempo. *Working Papers Phonetics Lund* **9**, pp. 99-147.
- Zellner-Keller, B. (in press). Prediction of temporal structures for various speech rates. Campbell et al. (eds): *Progress in Speech Synthesis II*. Springer.