

PUBLICATIONS IN 1996 AND 1997

1996

- As, C.J. van, Hilgers, F.J.M., Verdonck-de Leeuw, I.M. & Koopmans-van Beinum, F.J. (1996). 'Acoustical and perceptual analysis of postlaryngectomy prosthetic voice (Provox®)'. In: J. Algaba (Ed.), *Surgery and Prosthetic Voice Restoration after Total and Subtotal Laryngectomy*. Proceedings of the 6th International Congress on Surgical and Prosthetic Voice Restoration after Total Laryngectomy, San Sebastian, Spain, 29 September - 1 October, 1995. Amsterdam, Elsevier, 189-194.
- As, C.J., Koopmans-van Beinum, F.J. & Hilgers, F.J.M. (1996). 'Intelligibility of alaryngeal speech'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 53-64.
- Beun, D.H. (1996). 'Viseme syllable sets'. MA-thesis, *IFA report* 130, 17 pp.
- Boersma, P. & Weenink, D.J.M. (1996). 'Praat, a system for doing phonetics by computer', version 3.4. *IFA rapport*. 132, 182pp.
- Botha, L. (1996). 'Towards modelling acoustic differences between L1 and L2 speech: The short vowels of Afrikaans and South-African English'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 65-80
- Boves, L., Boogaart, T.I., Os, E.A. den (1996). 'Informatievoorziening met spraaktechnologie: de praktijk'. *Management en Informatie* 4, 14-21.
- Boves, L., Herberts, I., Russel, A. & Os, E. den (1996). 'Localization and field test of a dutch train time table information system'. In: *Proceedings of the third IEEE workshop on interactive voice technology for telecommunication applications*. IVTTA-96, IEEE Service Center, Piscataway, NJ, 121-124.
- Clement, C.J. & Koopmans-van Beinum, F.J. (1996). 'Influence of lack of auditory feedback on infant vocalisations in the first year'. *Abstracts of European Research Conference on the Development of Sensory, Motor and Cognitive Abilities in Early Infancy: Antecedents of language and the symbolic function*. San Feliu de Guixols, Spain, 10 - 15 April 1996, 24 (A).
- Clement, C.J., Koopmans-van Beinum, F.J. & Pols, L.C.W. (1996). 'Acoustical characteristics of sound production of deaf and normally hearing infants'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSLP96, Fourth International Conference on Spoken Language Processing*, Philadelphia. Applied, Science and Engineering Laboratories, Wilmington, DE, Vol 3, 1549-1552.
- Dikkenberg-Pot, I. van den & Koopmans-van Beinum, F.J. (1996). 'From prelexical to lexical in the spoken utterances of deaf children. A design for research.'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 43-52.
- Donzel, M. E. van & Koopmans-van Beinum, F.J. (1996). 'Pausing strategies in discourse in Dutch'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSLP96, Fourth International Conference on Spoken Language Processing*, Philadelphia. Applied Science and Engineering Laboratories, Wilmington, DE, Vol 2, 1029-1032.
- Donzel, M. E. van & Koopmans-van Beinum, F.J. (1996). 'Perception of discourse boundaries in spontaneous speech in Dutch'. In: Organization Committee (Eds), *Proceedings Fonetik-96*, TMH-QPSR 1996/2, KTH Stockholm, 105-108.
- Donzel, M. E. van & Kort, I. de (1996). Discourse onderzoek: 'Waar gaat het over?' *Jaarboek 1996 van de Universiteit van Amsterdam*, p. 73-79.

- Koopmans-van Beinum, F.J. & Donzel, M.E. van (1996). 'Discourse Structure and its influence on local speech rate'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 1-11.
- Koopmans-van Beinum, F.J. & Donzel, M.E. van (1996). 'Relationship between discourse structure and dynamic speech rate'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSP96, Fourth International Conference on Spoken Language Processing*, Philadelphia, Applied Science and Engineering Laboratories, Wilmington, DE, Vol 3, 1724-1727.
- Langmann, D., Haeb-Umbach, R., Boves, L. & Os, E. den (1996). 'Fresco: the French telephone speech data collection - part of the European SpeechDat(M) project'. In: H.T. Bunnell, & W. Idsardi (Eds), *Proceedings ICSP96. Fourth International Conference on Spoken Language Processing*, Citation Delaware. New Castle, Delaware, 1918-1921.
- Pols, L.C.W. (1996). 'Acoustic realization and perception of reduction phenomena in speech'. In: Z. Palkove (Ed.), *Miscellany in honour of prof. Premysl Janota for his 70th birthday*: Charles University Press, Prague, 217-230.
- Pols, L.C.W. (1996). 'Analysis and perception of dynamic events and of reduction phenomena in speech'. In: W. Ainsworth & S. Greenberg (Eds.), *Proceedings Workshop on the Auditory basis of speech perception*, Department of Communication and Neuroscience, Keele University, Keele, UK, 17-22.
- Pols, L.C.W. & Wang, X. (1996). 'Extracting durational knowledge and applying it for improved ASR'. In: R. Yusupov (Ed.) *Proceedings International Speech and Computer SPECOM'96*, St.-Petersberg Institute for Informatics and Automation of the Russian Academy of Sciences (SPIIRAS), 16-21.
- Pols, L.C.W., Wang, X. & Bosch, L.F.M. ten (1996). 'Modelling of phone duration (using the TIMIT database) and its potential benefit for ASR'. *Speech Communication*, 19(2), 161-176.
- Potjer, J., Russel, A., Boves, L. & Os, E. den (1996). 'Subjective and objective evaluation of two types of dialogues in a call assistance service'. In: *Proceedings of the third IEEE workshop on interactive voice technology for telecommunication applications*. IEEE Service Center, Piscataway, NJ, IVTA-96, 89-92.
- Reetz, H. (1996). *Pitch perception in speech: A time domain. Implementation and evaluation*. Studies in language and language use 26, Ph.D. thesis, IFOTT, University of Amsterdam, 236.
- Rijt, H.C.C. van de, Stelt, J.M. van der & Plooij, F.X. (1996). *Hordenlopen, een preventieve oudercursus voor de eerste anderhalf jaar*, Swets & Zeitlinger BV, Lisse, 210 pp.
- Russel, A., Herberts, I., Os, E. den & Boves, L. (1996). 'Dialog management issues in the localization of a train table information system'. In: H. Fujisaki (Ed.), *Proceedings of the 1996 International Symposium on Spoken Dialogue* (Philadelphia). Acoustical Society of Japan. Japan, 81-84.
- Son, R.J.J.H. & Pols, L.C.W. (1996). 'A comparison between the acoustics of vowel and consonant reduction'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 13-25.
- Son, R.J.J.H. van & Pols, L.C.W. (1996). 'An acoustic profile of consonant reduction'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSP96, Fourth International Conference on Spoken Language Processing*, Philadelphia, Applied Science and Engineering Laboratories, Wilmington, DE, Vol. 3, 1529-1532.
- Stelt, J.M. van der (1996). 'Nu ben jij aan de beurt: Praten voor twee'. In: A. Harpman & L. Tavecchio (Eds), *Opvoeding als evenwichtskunst*, Samson Tjeenk Willink, Alphen a/d Rijn, 89-111.
- Stelt, J.M. van der (1996). 'The early acquisition of speech communication'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 81-95.

- Streefkerk, B.M. (1996). *Prominent zinsaccent en toonhoogtebewegingen*. IFA rapport nr. 131, 75pp.
- Streefkerk, B.M. & Pols, L.C.W. (1996). 'Prominent accent and pitch movements'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 111-117
- Wang, X., Bosch, L.F.M. ten & Pols, L.C.W. (1996). 'Integration of context-dependent duration knowledge into HMM-based speech recognition'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSLP96, Fourth International Conference on Spoken Language Processing*, Philadelphia, Applied Sciences and Engineering Laboratories, Wilmington, DE, Vol. 2, 1073-1076.
- Wang, X., Pols, L.C.W. & Bosch, L.F.M. ten (1996). 'Analysis of context-dependent segmental duration automatic speech recognition'. In: H.T. Bunnell & W. Idsardi (Eds), *Proceedings ICSLP96, Fourth International Conference on Spoken Language Processing*, Philadelphia, Applied Science and Engineering Laboratories, Wilmington, DE, Vol. 2, 1181-1184.
- Weenink, L.F.M. (1996). 'Adaptive vowel normalization and TIMIT acoustic phonetic speech corpus'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 97-110.
- Wieringen, A. van & Pols, L.C.W. (1996). 'A continuum from psycho-acoustics to speech perception'. *Acustica - Acta Acustica*, 82 (Suppl. 1), S 129 (A).
- Wieringen, A. van & Pols, L.C.W. (1996). 'The auditory basis of vocalic speech transitions'. In: W. Ainsworth & S. Greenberg (Eds.), *Proceedings Workshop on the Auditory basis of speech perception*, Department of Communication and Neuroscience, Keele University, Keele, UK, 166-169.
- Wieringen, A. van (1996). *An introduction to speech perception*. IFA rapport nr. 133, 44pp.
- Wu, S. & Pols, L.C.W. (1996). 'A distance measure for objective quality evaluation of speech communication channels using also dynamic spectral features'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 20, 27-42.

1997

- As, C.J. van, Hilgers, F.J.M., Koopmans-van Beinum, F.J. & Ackerstaff, A.H. (1997). 'De invloed van stoma afsluiting op niet laryngeale spraak'. In: *Nederlands Tijdschrift voor KNO-Heelkunde* 1997, Vol 2, 88.
- As, C.J. van, Hilgers, F.J.M., Koopmans-van Beinum, F.J. & Ackerstaff, A.H. (1997). 'De invloed van stoma afsluiting op niet laryngeale spraak'. In: *Nederlands Tijdschrift voor Geneeskunde* 1997, Vol 141:1998
- As, C.J. van, Hilgers, F.J.M., Koopmans-van Beinum, F.J. & Ackerstaff, A.H. (1997). 'The influence of stoma occlusion on aspects of tracheoesophageal speech'. In: *Proceedings of Larynx* 1997, 105-108.
- As, C.J. van, Tigges, M., Hilgers, F.J.M. & Eysholdt, U. (1997). 'Oesophageal vibration in voice rehabilitation after laryngectomy'. In: *Proceedings of the 2nd round table of Advances in Quantitative Laryngoscopy using Motion-, Image- and Signal Analysis*. Erlangen 1997, 95-102.
- Boersma, Paul (1997). 'The elements of Functional Phonology'. ms. University of Amsterdam.
[Rutgers Optimality Archive 173., <http://ruccs.rutgers.edu/roa.html>]
- Boersma, Paul (1997). 'How we learn variation, optionality, and probability'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 21, 43-58. [an earlier version in: Rutgers Optimality Archive 221, <http://ruccs.rutgers.edu/roa.html>]
- Boersma, Paul (1997). 'Inventories in Functional Phonology'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 21, 59-90. [Rutgers Optimality Archive 232, <http://ruccs.rutgers.edu/roa.html>]
- Boersma, Paul (1997). 'Sound change in Functional Phonology'. ms. University of Amsterdam.
[Rutgers Optimality Archive 237, <http://ruccs.rutgers.edu/roa.html>]
- Boersma, Paul (1997). 'Functional Optimality Theory'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 21, 37-42.
- Botha, E.C & Pols, L.C.W. (1997). 'Modelling the acoustic differences between L1 and L2 speech: The short vowels of Afrikaans and South African English'. In: G. Kokkinakis, N. Fakotakis & E. Dermatas (Eds), *Proceedings Eurospeech '97*, Rhodes, Greece, Volume 2, 1035-1038.
- Van den Dikkenberg-Pot, I. & Koopmans-van Beinum, F.J. (1997). 'Number and duration of spoken utterances of deaf and normally hearing children between twelve and eighteen months. Some preliminary results'. *Proceedings of the Institute of Phonetic Sciences Amsterdam*, 21, 91-100.
- Donzel, M.E. van (1997). 'Perception of discourse boundaries and prominence in spontaneous Dutch speech'. In: *Working Papers* 46, Lund University, Department of Linguistics and Phonetics, 19 p.
- Donzel, M.E. van & Koopmans-van Beinum, F.J. (1997a). 'Pitch accents, boundary tones, and information structure in spontaneous discourse in Dutch'. In: A. Bottinis, G. Kouroupetroglou & G. Carayannis (Eds), *Intonation: Theory, models and Applications*. Proceedings of an ESCA Tutorial and Research Workshop on Intonation Workshop, September 1997, Athene, 313-316.
- Donzel, M.E. van & Koopmans-van Beinum, F.J. (1997b). 'Evaluation of prosodic characteristics in retold stories in Dutch by means of semantic scales'. In: G. Kokkinakis, N. Fakotakis & E. Dermatas (Eds), *Proceedings Eurospeech '97*, Rhodes, Greece, Volume 1, 211-214.

- Laan, G.P.M. (1997). 'The contribution of intonation, segmental durations, and spectral features to the perception of a spontaneous and a read speaking style'. *Speech Communication*, Volume 22, 1, 43-65.
- Pols, L.C.W. (1997). 'Spraaktechnologie: Een Inleiding'. *NAG journaal*, nr 134, nov, 1996, 3-9.
- Pols, L.C.W. (1997). 'Flexible human speech recognition'. In: Automatic speech Recognition and understanding, Sadaoki Furui, B. -H. Juang & Wu Chou (Eds.), *Proceedings ASRU '97*, Santa Barbara, CA, IEEE, 273-283.
- Pols, L.C.W. (1997). 'Psycho-acoustics and speech perception'. In: *NATO ASI Computational models of speech pattern processing*, St. Helier, Jersey Channel Islands, Volume 1, 1-13.
- Pols, L.C.W. (1997). 'Speech synthesis development and assessment'. In: *Proceedings SPECOM '97*, Cluj-Napoca, Romania, Vol. ?, 19-23.
- Pols, L.C.W. & Jekosch, U. (1997). 'A structured way of looking at the performance of text-to-speech systems'. In: J.P.H. van Santen, R. Sproat, J.P. Olive & J. Hirschberg (Eds.), *Progress in speech synthesis*, New York, Springer, 519-527.
- Son, R.J.J.H. van & Pols, Louis C. W. (1997). 'The correlation between consonant identification and the amount of acoustic consonant reduction'. In: G. Kokkinakis, N. Fakotakis & E. Dermatas (Eds), *Proceedings Eurospeech '97*, Rhodes, Greece, Volume 4, 2135-2138.
- Son, R.J.J.H. van & Santen, Jan P.H. van (1997). 'Strong interaction between factors influencing consonant duration'. In: G. Kokkinakis, N. Fakotakis & E. Dermatas (Eds), *Proceedings Eurospeech '97*, Rhodes, Greece, Volume 1, 319-322.
- Wang, X. (1997). *Incorporating knowledge on segmental duration in HMM-based continuous speech recognition*. Ph.D.-thesis IFOTT nr. 29, University of Amsterdam,
- Wang, X. (1997). 'Word juncture modelling based on the TIMIT database'. In: G. Kokkinakis, N. Fakotakis & E. Dermatas (Eds), *Proceedings Eurospeech '97*, Rhodes, Volume 5, 2407-2410.