

PUBLICATIONS IN 1994 AND 1995

1994

- Akagi, M., Wieringen, A. van & Pols, L.C.W. (1994). 'Perception of central vowel with pre- and post-anchors'. Proceedings of the ICSLP'94, Yokohama, 2, 503-506.
- Bergem, D.R. van (1994). 'A model of coarticulatory effects on the schwa'. Speech Communication 14, 143 - 162.
- Bergem, D.R. van (1994). 'Reflections on aspects of vowel reduction'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 97-110.
- Bergem, D.R. van & Os, E.A. den (1994). 'Spoken languages corpora'. In: Eagles spoken languages systems. Eagles document EAG-SLWG-IR.2, Version of October 1994, 4-35.
- Clement, C. (1994). 'Acquisition of vowel contrasts in Dutch'. Journal of Speech and Hearing Research, 37, 83-89.
- Clement, C., Den Os, E.A. & Koopmans-van Beinum, F.J. (1994). 'The development of vocalisations of deaf and normally hearing infants'. In: Abstracts of the fourth symposium of the International Clinical Phonetics and Linguistics Association, New Orleans, 10 (A).
- Clement, C., Den Os, E.A. & Koopmans-van Beinum, F.J. (1994). 'The development of vocalizations of deaf and normally hearing infants'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 65-76.
- Donzel, M.E. van (1994). 'Stress shift in het Nederlands. Enige fonetische experimenten naar de akoestische en perceptieve kenmerken van stress shift in het Nederlands'. M.A.-thesis, Department of Linguistics, Leiden, 88 pp. (Stress shift in Dutch. Some phonetic experiments on the acoustic and perceptual features of stress shift in Dutch).
- Donzel, M.E. van (1994). 'How to specify focus without using acoustic features'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 1-18.
- Dijk, J.S.C. van (1994). 'Properties of the radiation pressure in the cochlea'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 77-86.
- Hasperhoven, R. (1994). 'Zichtbare spraak: real-time spectrogram op een PC met DSP-kaart'. IFA report 124, 47 pp. (Visible speech: real-time spectrograms on a PC with DSP-card).
- Jekosch, U. & Pols L.C.W. (1994). 'A structured approach towards a framework for application-specific speech quality assessment'. Proceedings of the ICSLP'94, Yokohama, 3, 1319-1322.

- Koopmans-van Beinum, F.J. (1994). 'What's in a schwa? Durational and spectral analysis of natural continuous speech and diphones in Dutch'. In: O. Engstrand & K. Kohler (Eds), *The speaker, the listener and the child. Festschrift on the occasion of Björn Lindblom's 60th Birthday*. *Phonetica* 51, 68-79.
- Koopmans-van Beinum, F.J. & Pols, L.C.W. (1994). 'Naturalness and intelligibility of rule-synthesized speech, supplied with specific spectro-temporal features derived from natural speech'. *Proceedings of the ICSLP'94, Yokohama, 4*, 1787-1790.
- Mozziconacci, S.J.L. (1994). 'Pitch and duration variations conveying emotions in speech'. M.A.-thesis, IPO report 961, 48pp.
- Os, E.A. den (1994). 'Annual report of the Speech Processing Expertise Centre (SPEX)'. SPEX report: Activities in 1993 and plans for 1994, 18pp.
- Os, E.A. den (1994). 'Transliteration of the Dutch Speech Styles Corpus'. *Proceedings of the Institute of Phonetic Sciences Amsterdam* 18, 87-110.
- Pols, L.C.W. (1994). 'Evaluating the performance of speech technology systems'. In: R.E. Asher (Ed.), *Encyclopedia of Language and Linguistics*, Pergamon Press, Oxford, 8, 4289-4296.
- Pols, L.C.W. (1994). 'Voice quality of synthetic speech: Representation and evaluation'. *Proceedings of the ICSLP'94, Yokohama, 3*, 1443-1446.
- Pols, L.C.W. (1994). 'Synthesis performance assessment'. In: H. Niemann, R. de Mori, & G. Hanrieder (Eds), *Progress and Prospects of Speech Research and Technology*. *Proceedings of the CRIM/FORWISS Workshop, München*, 63-68.
- Pols, L.C.W. (1994). 'Cocosda speech output development and assessment'. CRE-project EuroCocosda deliverable D6, 13 pp.
- Pols, L.C.W. & Jekosch, U. (1994). 'A structured way of looking at the performance of text-to-speech systems'. In: J. Olive, J. Hirschberg, J. van Santen & R. Sproat (Eds), *Proceedings ESCA/IEEE Speech Synthesis Workshop, New Paltz, NY*, 203-206.
- Pols, L.C.W. & Wieringen, A. van (1994). 'Meten aan Spraak'. In: *Natuurkunde uit de kunst, Verslag Woudschoten Conferentie'93, 92 - 93*. (Measuring on Speech).
- Son, R.J.J.H. van (1994). 'A method to quantify the error distribution in confusion matrices'. *Proceedings of the Institute of Phonetic Sciences Amsterdam* 18, 41-64.
- Tielen, M.T.J. (1994). 'Vrouwen- en mannspraak'. *Logopedie en Foniatrie*, nr. 6, 174-180.
- Verdonck-Leeuw, I. de (1994). 'The effect of radiotherapy on voice quality measured by means of the signal-to-noise ratio'. In: *Abstracts of the fourth Symposium of the International Clinical Phonetics and Linguistics Association, New Orleans*, 44 (A).

- Wang, X. (1994). 'Durationally constrained training of HMM without explicit state durational pdf'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 117-130.
- Wieringen, A. van & Pols, L.C.W. (1994). 'Frequency and duration discrimination of short first-formant speechlike transitions'. J. Acoust. Soc. Am. 95, 502 - 511.
- Wieringen, A. van & Pols, L.C.W. (1994). 'Classification and discrimination of single, complex, and interpolated speechlike stimuli'. Proceedings of the Institute of Phonetic Sciences Amsterdam 18, 19-40.
- Wijnen, F., Krikhaar, E. & den Os, E.A. (1994). 'The (non) realisation of unstressed elements in children's utterances: a rhythmic constraint?'. Journal of Child Language 21, 59-83.

1995

- As, C.J. van (1995). 'Analyse van Provox stem'. MA-thesis, IFA-report 129, 72 pp. (Analysis of the Provox Voice).
- As, C.J. van, Hilgers, F.J.M., Verdonck-de Leeuw, I.M. & Koopmans-van Beinum, F.J. (1995). 'Analysis of the Provox® Voice'. Abstracts of the 6th International Congress on surgical and phonetic voice restoration after total laryngectomy, 2nd EGFL Conference San Sebastian, 49(A).
- Bakkum, M.J., Plomp, R. & Pols, L.C.W. (1995). 'Objective analysis versus subjective assessment of vowels pronounced by deaf and normal-hearing children'. J. Acoust. Soc. Am. 98, Vol 2, 745 - 762.
- Bergem, D.R. van (1995). 'Acoustic and lexical vowel reduction'. Studies in language and language use 16, Ph.D. thesis, IFOTT, University of Amsterdam, 195 pp.
- Bergem, D.R. van (1995). 'Perceptual and acoustic aspects of lexical vowel reduction, a sound change in progress'. Speech Communication 16, 329-358.
- Boersma, P. (1995). 'Interaction between glottal and vocal-tract aerodynamics in a comprehensive model of the speech apparatus'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, Stockholm, 2, 430-433.
- Bosch, L.F. ten (1995). 'On the lexical aspects of vowel dispersion theory: Dutch Case'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, Stockholm, 1, 420-423.
- Clement, C.J., Os, E.A. den & Koopmans-van Beinum, F.J. (1995). 'The development of early vocalizations of deaf and normally hearing infants in the first eight months of life'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, Stockholm, 1, 138-141.
- Clement, C.J., Os, E.A. den & Koopmans-van Beinum, F.J. (1995). 'The development of vocalizations of deaf and normally hearing infants'. In: Th.W. Powell (Ed.), Pathologies of Speech and Language: Contributions of Clinical Phonetics and Linguistics. ICPLA, New Orleans, 9-20.

- Clement, C.J., Os, E.A. den & Koopmans-van Beinum, F.J. (1995). 'De ontwikkeling van vroege vocalisaties van dove en normaal horende baby's in de eerste 8 maanden'. In: L. Elbers, S. v.d. Meulen & L. Schlichting (Eds), NET bulletin 1995, 41-43. (The development of early vocalizations of deaf and normally hearing infants in the first eight months of life).
- Dikkenberg-Pot, I. van den (1995). 'Vocalisaties van dove peuters'. MA-thesis, IFA report 128, 47 pp. (Vocalizations of deaf children).
- Donzel, M.E. van & Koopmans-van Beinum F.J. (1995). 'Evaluation of discourse structure on the basis of written vs. spoken material'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, Stockholm, 3, 258-261.
- Dijk, J.S.C. van (1995). 'Psycho-akoestiek'. In: F. Evers, M. Jansma, P. Mak & B. de Vries (Eds), Muziekpsychologie, Van Gennep, 241-271. (Psycho-Acoustic).
- Dijk, J.S.C. van (1995). 'Zie je wat je hoort en hoor je wat je ziet?'. Stroom. Mededelingenblad Faculteit Natuur- en Sterrenkunde 8, 46, 21-25. (Can you see what you hear or can you hear what can be seen).
- Heerde, M. van (1995). 'Sociaal-interactieve tweede taalverwerving. De methode van Taeschner voor 4-6 jarigen, verandering in het gebruik van zinsstructuren bij vijf kinderen van 4-6 jaar'. IFA-report 127, 71 pp. (Learning a second language in a socially interactive way. Teaschner method for 4-6 year olds; changes in sentence structures in 5 children).
- Heuven, V.J. van & Donzel, M.E. van (1995). 'Structural aspects and phonetic implementation of Dutch stress retraction'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, Stockholm, 4, 638-641.
- Koopmans-van Beinum, F.J. (1995). 'Centres of Study in Europe: The Netherlands'. In: G. Bloothoof, V. Hazan, D. Huber & J. Llisterrí (Eds), European Studies in Phonetics and Speech Communication, 343-346.
- Koopmans-van Beinum, F.J. (1995). 'Centres of Study in Europe: Institute of Phonetic Sciences, University of Amsterdam'. In: G. Bloothoof, V. Hazan, D. Huber & J. Llisterrí (Eds), European Studies in Phonetics and Speech Communication, 348-352.
- Os, E.A. den, Clement, C. & Koopmans-van Beinum, F.J. (1995). 'Development of vocalizations of deaf and normally hearing infants'. In: R. Schoonhoven, T.S. Kapteyn & J.A.P.M. de Laat, Proceedings European Conference of Audiology, Noordwijkerhout, The Netherlands, 296-300.
- Os, E.A. den, Ellens, M., in 't Veld, C. & Boves, L. (1995). 'Some figures concerning the transliteration of the Dutch Speech Styles Corpus'. Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95, 3, 536-539.
- Os, E.A. den, Boogaart, T.I., & Boves, L. (1995). 'The Dutch Polyphone Corpus'. Proceedings Eurospeech'95, Madrid, 1, 825-828.
- Pols, L.C.W. (1995). 'Final speech output report'. Deliverable D7 of LRE-project EuroCocosda, 8 pp.

- Pols, L.C.W. (1995). 'Hot topics in the field of speech synthesis'. In: G. Bloothoof, V. Hazan, D. Huber, and J. Llisteri (Eds), *European Studies in Phonetics and Speech Communication*, 123-126.
- Rijt, H.H.C. van de, Stelt, J.M. van der & Plooi, F.X. (1995). 'Hordenlopen'. Rapport van de Stichting Onderzoek Psychosociale Stress (SOPS) t.b.v. Stichting Kinderpostzegels Nederland, 148 pp. (Hurdle race, a course for parents introduced and evaluated).
- Son, R.J.J.H. van & Pols, L.C.W. (1995). 'The influence of local context on the identification of vowels and consonants'. *Proceedings Eurospeech'95*, Madrid, 2, 967-970.
- Son, R.J.J.H. van & Pols, L.C.W. (1995). 'What does consonant reduction look like, if it exists?'. *Proceedings Eurospeech'95*, Madrid, 3, 1909-1912.
- Stelt, J.M. van der (1995). 'Enquête Spraakontwikkeling'. IFA-report 126, 14 pp. (Questionnaire on speech development).
- Stelt, J.M. van der (1995). 'Spreken gaat vanzelf, maar is enorm complex'. *Atheneum Illustre* 3, 42. (Speech comes of itself but is very complex behaviour).
- Stelt, J.M. van der (1995). 'Een kind bewegen tot spraak'. *Atheneum Illustre* 3, 38-41. (Inviting an infant to speak).
- Verdonck-de Leeuw, I.M. & Koopmans-van Beinum, F.J. (1995). 'The effects of radiotherapy on various acoustical, clinical and perceptual pitch measures'. *Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95*, Stockholm, 4, 610- 613.
- Verdonck, I.M. & Boersma, P. (1995). 'The effects of radiotherapy measured by means of the harmonic-to-noise ratio'. In: Th.W. Powell (Ed.), *Pathologies of Speech and Language: Contributions of Clinical Phonetics and Linguistics*. ICPLA, New Orleans, 203-210.
- Wang, X. (1995). 'Durational modelling in HMM-based speech recognition: Towards a justified measure.' In: A.J. Rubio-Ayuso & J.M. Lopez-Soler (Eds), *Speech Recognition and Coding: New Advances and Trends*. Springer-Verlag Berlin, Heidelberg, 128-131.
- Wieringen, A. van (1995). 'Perceiving dynamic speechlike sounds'. *Psycho-acoustics and speech perception*. Ph.D. Thesis, University of Amsterdam, 256 pp.
- Wieringen, A. van (1995). 'Perceiving and processing speechlike sounds'. *Proceedings of the XIIIth International Congress of Phonetic Sciences ICPhS'95*, Stockholm, 4, 614-617.
- Wieringen, A. van & Pols, L.C.W. (1995). 'Discrimination of single and complex consonant-vowel and vowel-consonant-like formant transitions'. *J. Acoust. Soc. Am.* 98, 1304-1312.

