

Publications concerning the Electromagnetic Articulography, June 8, 2007

- Abry C., Cathiard M.-A., El Abed R., Lallouache M.T., M.-C. Leroy, Perrier P., Poveda F. & Savariaux C. (1996). *Silent speech production: Anticipatory behaviour for 2 out of 3 main vowel gestures/features while pausing.* Proceedings of the 1st ESCA Tutorial and Research Workshop on Speech Production Modeling (pp. 101-104), European Speech Communication Association. Autrans, France.
- Ackermann, H., Groene, B., Hoch, G., Schoenle, P.W.: *Speech Freezing in Parkinson's Disease: Kinematic Analysis of Orofacial Movements by Means of Electromagnetic Articulography.* In: *Folia Phoniatrica* 1993;45:84-89.
- Akkerman, A.E., Brand A.N., Mulder L.J.M., van der Stelt M.J.(Eds.) *Computers in Psychology 5: Applications, methods, and instrumentation* pp. 62-76. Lisse: Swets & Zeitlinger.
- Alfonso, P.J., & Van Lieshout, P.H.H.M. (1999). *Flexibility and stability in bilabial gestures: 1) Evidence from discrete syllable production.* J. J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, & A. C. Bailey (eds.), Proceedings XIVth International Congress of Phonetic Sciences, San Francisco, August 1-7, 1999, Volume 1 (pp. 49-52). American Institute of Physics.
- Alfonso, P.J., & Van Lieshout, P. (1999). *Flexibility and stability in bilabial gestures: Evidence from discrete syllable production.* Abstracts of Papers, XIVth International Congress of Phonetic Sciences, San Francisco, August 1-7, 1999, p. 3
- Alfonso, P.J., & Van Lieshout, P.H.H.M. (1998). *Stability and Flexibility in speech motor control: Evidence from perceptually fluent utterances of persons who do and do not stutter..* In E.C. Healey & H.F.M. Peters (eds.), Proceedings Second World Congress on Fluency Disorders, San Francisco, August 18-22, 1997 (pp. 58-64). IFA publication, Nijmegen, The Netherlands: University Press Nijmegen.
- Alfonso, P.J., & Van Lieshout, P.H.M.M. (1997). *Spatial and temporal variability in obstruent gestural specification by stutterers and controls: Comparisons across sessions* (pp. 151-160).
- In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). *Speech production: Motor control, brain research and fluency disorders.* Amsterdam, The Netherlands: Elsevier Publishers.
- Alfonso, P.J. (1995) *Spatiotemporal stability of the tongue-jaw and lip-jaw complex: Comparisons across sessions.* Paper presented at the XIII International Congress of Phonetic Sciences. Stockholm, Sweden.
- Alfonso, P.J. (1995). *Across session temporal stability of the lip-jaw complex in bilabial closure.* Paper presented at the 129th Meeting of the Acoustical Society of America. Washington, DC.
- Alfonso, P.J., & Van Lieshout, P.H.H.M. (1995). *A dynamical account of the organization and coordination of speech gestures* (pp. 6-10).
- In C.W. Starkweather and H.F.M. Peters (Eds.), *Proceedings First World Congress on Fluency Disorders (Volume 1)*, International Fluency Association, Munich, Germany.
- Alfonso, P.J., Van Lieshout, P.H.H.M., & McNamara (1995), *Across session stability: Temporal ordering and timing in labial closure.* ASHA, 37, 101.
- Van Lieshout, P.H.H.M., W. Hulstijn, H.F.M. Peters, & P.J. Alfonso, (1995). *Gestures in nonspeech and speech tasks.* ASHA, 37, 52.

- Alfonso, Peter J. und van Lieshout, Pascal H.H.M.
"Speech Motor Control in Stuttering"
First World Congress of the International Fluency Association -Munich - August 8th-12th
- Alfonso, P.J., Neely, J.R. (1994).
Across session spatial stability of the tongue-jaw complex in alveolar closure.
Journal of the Acoustical Society of America, 95-5, 2823-2824. Paper presented at the 127th Meeting of the Acoustical Society of America. Cambridge,
- Alfonso, P.J., Neely, J.R., & McNamara, C. (1994).
Spatial stability of tongue-jaw and lip-jaw complex: Comparisons across sessions.
Paper presented at the Annual Convention of the American Speech-Language-Hearing Association. ASHA, 36-10, 131. New Orleans, LA.
- Alfonso, P.J., Neely, R.J., Van Lieshout, P.H.H.M., Hulstijn, W., & Peters, H.F.M. (1993).
Calibration, validation, and hardware software modifications to the Carstens EMMA system.
In Forschungsberichte des Instituts für Phonetik und Sprachliche Kommunikation der Universität München (FIPKM), 31, 105-121. Also in Status Report on Speech Research, SR 114, 101-113. New Haven: Haskins Laboratories.
- Alfonso, P. Calibration Standardization and Hardware-Software Modifications to the Carstens EMA
EMA-Symposium Phonetisches Institut der Universität München
Professor Dr. Tillmann
- Alfonso M, Neyraud E, Blanc O, Peyron MA, Dransfield E.
Relationship between taste and chewing patterns of visco-elastic model foods.
Journal of Sensory Studies, 17: 193-206, 2002.
- Baum, S. and Katz, W..
Development of skilled speech production in children.
(1994). Presentation at the 128th Mtg of the Acoustical Society of America, Austin, TX.
- Bernstein
KDI DEMOS
House Ear Institute, Los Angeles, USA.
- Blanc O, Woda A, Peyron MA.
Influence de l'âge sur la mastication.
Les Cahiers de l'ADF, 6 (14-15): 44-49 2003.
- Bose, A., Van Lieshout, P.H.H.M., & Square, P.A. (2001).
Kinematic characteristics of bilabial closure in an individual with Broca's aphasia and apraxia of speech.
In B. Maassen, W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout (eds.), *Speech Motor Control in Normal and Disordered Speech* (p. 171-174). Nijmegen, The Netherlands: Vantilt.
- Bose, A., Van Lieshout, P.H.H.M., & Square, P.A. (2003)
Speech coordination in individuals with aphasia and normal speakers.
Brain & Language, 87, 158-159.
- Bosshardt, Hans-Georg, Edward C. Conture, Vanderbilt U, Luc F. de Nil & Pascal H. van Lieshout U
Speech Planning and Speech Motor Determinants of Stuttering
Bochung Germany, Nashville TN, of Toronto, Ontario
- Brunner, J., Fuchs, S. & Perrier, P. (2005)
The influence of the palate shape on articulatory token-to-token variability
ZAS papers in Linguistics 42: 43-66.
- Brunner, J., Fuchs, S., Perrier, P. & Kim, H.-Z. (2003)
Mechanisms of contrasting Korean velar Stops: A catalogue of acoustic and articulatory parameters.
ZAS papers in Linguistics, 32, 15-30.
- D. Byrd, J. Krivokapic, and S. Lee. (2006)
How far, how long: On the temporal scope of phrase boundary effects.

- Journal of the Acoustical Society of America, 120, 1589-1599. http://sail.usc.edu/%7Edbyrd/byrd_k_l_jasa06.pdf
- D. Byrd, S. Lee, D. Riggs, and J. Adams. (2005)
Interacting effects of syllable and phrase position on consonant articulation.
 Journal of the Acoustical Society of America 118(6), 3860-3873. http://sail.usc.edu/%7Edbyrd/byrdetal_jasa05.pdf
- D. Byrd, S. Lee, D. Riggs, J. Adams. (2005)
Interacting effects of syllable and phrase position on consonant articulation.
 Journal of the Acoustical Society of America 118(6), 3860-3873
- Cho, T. (to appear)
Manifestation of Prosodic Structure in Articulation: Evidence from Lip Movement Kinematics in English.
Laboratory Phonology
 8.(Berlin/New York: Mouton de Gruyter)
- Cho, T. (in press)
Prosodically-conditioned strengthening and vowel-to-vowel coarticulation in English.
Journal of Phonetics.
- Cho, T. (2002)
The Effects of Prosody on Articulation in English.
 Routledge. New York, NY.
- Cho, Taehong
Effects of morpheme boundaries on intergestural timing: Evidence from Korean. Effects of Prosody on Articulation in English.
 Ph.D. dissertation, University of California, Los Angeles. Distributed as UCLA Dissertations in Linguistics, no. 22.
- Daniels, S.K., Chi-Fishman, G. & Steele, C.M. (2003, November).
The biomechanics and clinical implications of sequential swallowing.
 Research seminar accepted for presentation at the 2003 Convention of the American Speech-Language Hearing Association, Chicago, IL.
- Earnest, M.M., & Max, L. (2003).
En route to the three-dimensional registration and analysis of speech movements: Instrumental techniques for the study of articulatory kinematics.
 Contemporary Issues in Communication Sciences and Disorders, 30, 5-25.
- Lucy Ellis and William J. Hardcastle
Assimilation strategies in the production of alveolar to velar sequences: EPG and EMA data
Models and Data. Kloster Seeon, Bavaria, Germany
- Engelke W., Hoch G., Bruns Th.; Striebeck M.
Simultaneous Evaluation of Articulatory Velopharyngeal Function under Different Dynamic conditions with EMA and Videoendoscopy
 Folia Phoniatr. Logop 1996; 48:65-77
- Engelke Wilfried, Bruns Thomas, Striebeck Mark, Hoch Gerhard
Midsagittal Velar Kinematics during Production of VCV Sequences
 Cleft Palate-Craniofacial J 33,236-244,1996
- Engelke W., Müller C., Petersen Ch.
Physiologie oropharyngealer Schluckbewegungen
 Sprache, Stimme, Gehör 19, 105-113, 1995
- Engelke W., Göttingen
Methodische und klinische Aspekte der Artikulations- und Schluckmotorik
 Deutsche Gesellschaft für Phoniatrie und Pädaudiologie ,Jahrestagung 1992 in Garmisch-Patenkirchen:
- Engelke, W. und Schönlé, P.W.
Elektromagnetische Artikulographie: Eine neue Methode zur Untersuchung von Bewegungsfunktionen des Gaumensegels
 Folia Phoniatr 1991; 43; 147-152

Engelke,W.

Grundlagenuntersuchung zur velophonygealen Artikulationsmotorik

Habilitationsschrift Göttingen 1991

Engelke, W.; Schönle, P.W.; Schwarzwäller W. und Zink, U.

Untersuchungen zur Motorik der Zungenspitze bei der Bildung dentoalveolarer Konsonanten

Folia Phoniatri 1991; 43; 105-114

Engelke W., Engelke D. und Schwestka R.

Zur klinischen und instrumentellen Untersuchung motorischer Zungenfunktion

Dtsch. Zahnärztl. Z. 45, S. 11-16 (1990)

Engelke, W.; Schönle, P.W. und Engelke, D.

2 objektive Verfahren zur Untersuchung motorischer Funktionen nach Eingriffen an Zunge und Velum

Dtsch. Z. Mund Kiefer GesichtsChir. 14, 348-358(1990)

Engelke, W., Schönle P.W., Kring R.A. und Richter C.

Zur Untersuchung orofazialer Bewegungsfunktionen mit der elektromagnetischen Articulographie

Dtsch. Zahnärztl. Z. 44, 618-622 (1989)

Liam Fitzpatrick and Ailbhe Ní Chasaide

Inferring tongue articulation from simultaneous EMA & EPG: Complementary and conflicting data

Models and Data. Kloster Seeon, Bavaria, Germany

Fitzpatrick L. und Chasaide A. N.

Using EMA, EPG and Acoustic Data to Look at Quantal Theory: An Account of Work in Progress

EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993

Foster, K., Woda, A. and Peyron, M.A. (2006)

Effect of texture of plastic and elastic model foods on the parameters of mastication

Journal of Neurophysiology, 95, 3469-3479.

Fuchs, S., Perrier, P., Geng, C. & Mooshammer, C. (2006)

What role does the palate play in speech motor control? Insights from tongue kinematics for German alveolar obstruents

In Harrington, J. and Tabain, M. (Eds.): Speech production: Models, Phonetic Processes and Techniques. Psychology Press: New York

Fuchs, S., Zygis, M., Brunner, J., Busler, A., Velkov, H. & Perrier, P. (2006)

Temporal and spacial aspects in the realisation of voiced and voiceless sibilants in different word positions

Proceedings of the conference on speech motor control. Nijmegen.

Fuchs, S., Perrier, P. & Pompino-Marschall, B. (2005)

Speech production and perception: Experimental analyses and models

ZAS papers in Linguistics 40.

Fuchs, S. (2005)

Articulatory correlates of the voicing contrast in alveolar obstruent production in German

ZAS papers in Linguistics 41.

Fuchs, S. & Perrier, P. (2005)

On the complex nature of speech kinematics.

ZAS papers in Linguistics 42: 137-165.

Fuchs, S. & Hamann, S. (2004)

Papers in Phonetics and Phonology

ZAS papers in Linguistics 37

Fuchs, S., Hoole, P., Brunner, J. & Inoue, M. (2004a)

The trough effect – an aerodynamic phenomenon?

CD-ROM From Sound to Sense MIT-meeting, Boston

Susanne Fuchs and Pascal Perrier

An EMMA/EPG study of voicing contrast correlates in German

Proc. ICPHS 2003. Barcelona.

Fuchs, S.; Perrier, P.; Mooshammer, C. (2001).

Etude expérimentale de l'influence du palais sur les caractéristiques cinématiques des gestes linguaux.

TIPS 31, 71-87

Fuchs, S.; Geng, C.; Hartinger, M.; Koppetsch, S.; Mooshammer, C.; Pompino-Marschall B. (im Druck).

Asymmetrien in der Phonetik.

In C. Maienborn (Hrsg.). (A)Symmetrien. Tübingen: Stauffenberg, 75-90.

Fuchs S 1 , Perrier P 2 , Mooshammer C 1

The role of the palate in tongue kinematics: an experimental assessment in VC sequences from EPG and EMMA data

1 ZAS - Centre for General Linguistics, Germany, 2 INPG & Université Stendhal, France

Fujimura O.

Recording and interpreting articulatory data -- Microbeam and other methods

Proc. XIth ICPHS, Aix-en-Provence, August 1991

Geng, C.; Mooshammer, C. (2000)

Modeling German stress distinction.

Proceedings of the 5th Seminar on Speech Production: Models and Data & Crest Workshop on Models of Speech Production: Motor Planning and Articulatory Modelling, Kloster Seeon, 161-164.

Geumann, A.

Vocal intensity: acoustic and articulatory correlates

Universität München

Philip Gleason, Betty Tuller, & J. A. Scott Kelso

SYLLABLE AFFILIATION OF FINAL CONSONANT CLUSTERS UNDERGOES A PHASE TRANSITION OVER SPEAKING RATES

Program in Complex Systems and Brain Sciences Center for Complex Systems, Florida Atlantic University Proc. ICSLP 96, Philadelphia

Goldstein, L..

The gestural phonology model

3rd international conference : Speech motor production and fluency disorders, Nijmegen, June 1996

Justine v. Goozée, Bruce E. Murdoch, Deborah G. Theodoros and Peter D. Stokes

Kinematic analysis of tongue movements in dysarthria following traumitic brain injury using electromagnetic articulography

BRAIN INJURY Vol 14 no.2 153-174,2000,

Gracco, V.L.; Löfqvist, A.; Ramsay, J.O.; Munhall, K.G.; Ostry, D.J.

Characteristics of speech movements

1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996

Gracco V. und Nye P.

Magnetometry and Speech Articulation: Some Misadventures on the Road to Enlightenment

EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993

Greisbach R. und Esser O.

The Polargram Display of Tongue Movements Measured by Articulography

EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993

Groene, B.:

Electromagnetic Articulography.

In: Code, C., Ball, M. (Eds.): Instrumental Clinical Phonetics. Taylor & Francis (1997) (in Druck).

Groene, B., Hoch, G., Schoenle, P.W.:

Die Elektromagnetische Artikulographie (EMA)- dynamische Analyse und Wiedergabe von Sprechbewegungen auf dem Computerschirm.

In: Roth, M. (Hrsg.): Computer in der Sprachtherapie -Neue Wege. Sprachtherapie 7. Narr, Tuebingen 1992, 113-124.

B. Gröne: Physiologische, aerodynamische und akustische Verfahren in der Dysarthriediagnostik.

In Ziegler, W., M. Vogel, B. Gröne, H. Schröter-Morasch: *Dysarthrie. Grundlagen-Diagnostik- Therapie*.

Thieme Verlag Stuttgart (in Druck), vorraussichtliche Seitenzahlen 71-96

Grosjean, M., Van Galen, G.P., De Jong, P., Van Lieshout, P.H.H.M., & Hulstijn, W. (1997).

Is stuttering caused by failing neuromuscular force control? (pp. 197-204).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). *Speech production: Motor control, brain research and fluency disorders*. Amsterdam, The Netherlands: Elsevier Publishers.

Hardcastle, W. J.; Vaxelaire, B.; Gibbon, F.; Hoole, P.; Nguyen, N.

EMA / EPG study of lingual coarticulation in /kl/ clusters

1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996

Hardcastle W J, Vaxelaire B, Gibbon F, and Hoole P (1996)

Tongue kinematics in /kl/clusters and singleton /k/. In P McCormack and A Russell

Proceedings of the Sixth Australian International Conference on Speech Science and Technology, Adelaide. Canberra:ASST pp 555-560

Hertrich, I. & Ackermann, H. (2000).

Lip-jaw and tongue-jaw coordination during rate-controlled syllable repetitions.

J Acoust.Soc.Am., 107, 2236-2247.

Hertrich I. and Ackermann H. (1999).

Kinematic analysis of lower lip-jaw and tongue-jaw interactions during syllable repetition: Some aspects of motor equivalence.

In J.J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, and A.C. Baily (Eds.), *Proceedings of the 14th International Congress of Phonetic Sciences* (pp. 1781-1784), University of California, Berkeley.

Hertrich, I., Ackermann, H., Spieker, S. (1997)

Kinematische Untersuchungen zur Sprechmotorik bei Morbus Parkinson,

Neurologie & Rehabilitation, Supp. 4/97, 9.

Hertrich, I. & Ackermann, H. (1997).

Accuracy of lip movement analysis. Comparison between electromagnetic articulography and an optical two-camera device.

Forschungsberichte des Instituts für Phonetik und sprachliche Kommunikation der Universität München, 35, 165-170.

Hoch G., Engelke W., Göttingen

Digitale Bildverarbeitung bei der endoskopischen Beurteilung velopharyngealer Artikulationsmotorik

Deutsche Gesellschaft für Phoniatrie und Pädaudiologie Jahrestagung 1992 in Garmisch-Patenkirchen:

Hoch G., Gröne B.F., Schönle P.W.

Elektromagnetische Artikulographie - eine Messmethode zur Analyse von orofacialen Bewegungen

Kongreßband MessComp '91, Wiesbaden

Honda M. und Kaburagi T.

A dynamical articulatory model using potential task representation.

ICSLP94 - 1994 International Conference on Spoken Language Processing - Yokohama - September 9th-22th

Honda M. und Kaburagi T.

Comparison of Electromagnetic and Ultrasonic Techniques for Monitoring Tongue Motion

EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993

Honda M. und Kaburagi T.

Observation of articulatory movements using a magnetic position-sensing device

NTT Basic Research Laboratories Tokyo, Japan

Hong, Gabriel, 1987

Palatalisation im Russischen und Chinesischen

Dissertation - München: Otto Seydner Verlag

- Hong, Gabriel; Paul.W. Schönle, 1987; Bastian Conrad
Electromagnetic Articulography: A New Approach to the Investigation of palatalization in Russian.
Proceedings of the Eleventh International congress of phonetic Sciences Tallin, UdSSR, Vol 7, 27-30
- Hoole, P. & Hu, F. (2004)
Tone-Vowel Interaction in Standard Chinese
Proc. of Int. Symposium on Tonal Aspects of Languages: Emphasis on Tone Languages, Beijing, pp.89-92.
- Hoole, P.; C. Mooshammer. (2002).
Articulatory analysis of the German vowel system. In P. Auer, P. Gilles, and H. Spiekermann (Hrsg.
Silbenschnitt und Tonakzente. Tübingen: Niemeyer, 129-152
- Philip Hoole, Christian Geng and Ralph Winkler
Towards a speaker-independet representation of tongue posturing for speech
Nijmegen, The Netherlands: Vantilt.
- Hoole, P.
Theoretische und methodische Grundlagen der Artikulationsanalyse in der experimentellen Phonetik.
Forschungsberichte des Instituts für Phonetik und sprachliche Kommunikation der Universität München. Band 34, 1996 ISSN 0342 - 782X
- Hoole, P.; Kühnert, B.
Tongue-jaw coordination in German vowel production
1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996
- Hoole, P. & Kühnert, B.
Patterns of lingual variability in German vowel production,
Proceedings Int. Conf. Phon. Sci., Stockholm, 1995 (to appear).
- P. Hoole, C. Mooshammer & H.G. Tillmann,
Kinematic analysis of vowel production in German.
ICSLP94 - 1994 International conference on spoken Language Precessing Yokohama 19.-22. September 94
- Hoole, P. & Munhall, K. (1994)
Do air-stream mechanisms influence tongue movement paths?
J. Acoustical Soc. America, 95: 2821 (A).
- Hoole, P., Mooshammer, C. & Tillmann, H.G. (1994)
Kinematic analysis of vowel production in German.
Proc. ICSLP 94, Yokohama, 1:53-56.
- P. Hoole
Methodological considerations in the use of electromagnetic articulography in phonetic research
Forschungsberichte des Instituts für Phonetik und sprachliche Kommunikation der Universität München FIPKM 31, 1993
- P. Hoole
EMA in Munich. Developments and Investigations
EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993
- Hoole, P.; Nguyen-Trong, N. & Hardcastle, W. (1993)
A comparative investigation of coarticulation in fricatives: electropalatographic, electromagnetic and acoustic data.
Language and Speech, 36:235-260.
- Hoole, P. (1993).
Methodological considerations in the use of electromagnetic articulography in phonetic research.
FIPKM 31: 43-64.
- Hoole, P. & Nguyen-Trong, N. (1992)
Reduction and parameterization of electropalatographic and electromagnetic data for the investigation of articulatory-acoustic correlations.
FIPKM 30:37-64.

P. Hoole und H.G. Tillmann

An articulatory investigation of front rounded and unrounded vowels

Proc. XIIth ICPHS, Aix-en-Provence, August 1991

P. Hoole, S. Gfroerer und H.G. Tillmann

Electromagnetic articulography as a tool in the study of lingual coarticulation

Forschungsber. d. Inst. f. Phonetik u. sprachl. Kommunik. der Univ. München (FIPKM) 28 (1990), 107-122

P. Hoole & K. Munhall,

Do air-stream mechanisms influence tongue movement paths?

J. Acoustical Society of America, 95: 2821

Hoole, P. & Nguyen, N.

Electromagnetic articulography in coarticulation research.

In: W.H Hardcastle, Instrumental Studies of Coarticulation. CUP (in press).

Horn Hansjörg, Scholl Th, Ackermann H, Hertrich I, Berndt R, Göz G

Neuentwicklung eines elektromagnetischen Artikulographen zur Registrierung von Zungen und Lippenbewegungen

Wissenschaftl. Jahrestagung Poniatrie und Pädaudiologie Hannover 1997

Horn Hansjörg, Göz G, Bacher M, Luther J, Axmann-Krcmar D

Vergleiche der Variabilität der Schluckbewegung zwischen somatischem und viszeralem Schlucken mit Hilfe elektromagnetischer Artikulographie

Wissenschaftl. Jahrestagung Poniatrie und Pädaudiologie Hannover 1997

Horn Hansjörg, Göz G, Bacher M, Müllauer M, Kretschmar J, Axmann-Krcmar, D.

Reliability of Electromagnetic Articulography Recording During Speaking Sequences

Eruopean Journal of Orthodontics 19(1997) 647-655

Hu, Fang. (2003).

An acoustic and articulatory analysis of vowels in Ningbo Chinese.

Proceedings of the 15th International Congress of Phonetic Sciences. pp. 3017-3020. Barcelona.

H.P. Huber, W.Engelke

A comparative study of different vertical dimension measurements

Journal of Gnathology, Volume 11, Number 1, 1992

H.P. Huber und W. Engelke

Vortrag zur Untersuchung der Ruheschwebe mit dem elektromagnetischen Artikulographen

40. Jahrestag der Dt. Gesellschaft für zahnärztliche Prothetik und Werkstoffkunde in Regensburg 4/91

W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout

Speech Motor Control in Normal and Disordered Speech (p. 171-174).

Nijmegen, The Netherlands: Vantilt.

Hulstijn, W., & Van Lieshout, P.H.H.M. (1998).

A motor skill approach to stuttering.

In W. Ziegler & K. Deger (Eds.), Clinical phonetics and linguistics (pp. 391-404). London, UK: Whurr Publishers Ltd.

Hulstijn, W., Van Lieshout, P.H.H.M., & Peters, H.F.M. (1997).

Speech production: Motor control, brain research, and fluency disorders. An Introduction (pp. 1-10).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M.Van Lieshout, P.H.H.M. (Eds.). *Speech production: Motor control, brain research and fluency disorders.* Amsterdam, The Netherlands: Elsevier Publishers.

Hulstijn, W., Peters, H.F.M., & Van Lieshout, P.H.H.M (1997).

Speech production: Motor control, brain research and fluency disorders.

Amsterdam, The Netherlands: Elsevier Publishers.

Hulstijn, W., & Van Lieshout, P.H.H.M. (1995).

Motor coordination in speech (pp. 3-5). In C.W. Starkweather & H.F.M. Peters (Eds.),

Proceedings First World Congress on Fluency Disorders (Volume 1), International Fluency Association, Munich, Germany.

Hulstijn, W., & Van Lieshout, P.H.H.M. (1995).

Discoordination in speech motor production.

In O. Güntürkün, R. Guski, C. Walter, & A. Wohlschläger (Eds.), *Experimentelle Psychologie* (pp. 166). Regensburg, Deutschland: S.Roderer Verlag.

Hulstijn, W., & Van Lieshout, P.H.H.M., & Peters, H.F.M. (1991).

The measurement of coordination (pp. 211-230).

In H.F.M. Peters, W. Hulstijn, and C.W. Starkweather (Eds.). *Speech Motor Control and Stuttering*. Amsterdam, The Netherlands: Elsevier Science Publishers.

Jaeger M, Hertrich I, Stattrop U, Schöngle PW, Ackermann H

Speech Disorders after Severe Traumatic Brain Injury: Kinematic Analysis of Syllable Repetitions Using Electromagnetic Articulography.

Folia Phoniatrica et Logopaedica

Kaburagi, T., and Honda, M. (1996)

A model of articulator trajectory formation based on the motor tasks of vocal-tract shapes

J. Acoust. Soc. Am. 99, 3154-3170.

Kaburagi, T., and Honda, M. (1996)

A study on modeling articulator movements based on the task-independent energy criterion

1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996

Tokihiko Kaburagi 1,3 and Masaaki Honda 2,3

Electromagnetic articulograph (EMA) based on a non-parametric representation of the magnetic field

1 Kyushu Institute of Design, 2 NTT Communication Science Laboratories, 3 CREST, Japan Science and Technology Corporation

Tokihiko Kaburagi and Masaaki Honda

Dynamic articulatory model based on multidimensional invariant-feature task representation

Models and Data. Kloster Seeon, Bavaria, Germany

Katz, W., Bharadwaj, S., Gabbert, G., Loizou, P., Tobey, E., & Poroy, O. (2003).

EMA compatibility of the Clarion 1.2 cochlear implant system.

Acoustic Research Letters Online, 4(3), 100-105.

Katz, W.F. and Verma, S.

Kinematic evidence for compensatory articulation by normal and nonfluent aphasic speakers. (1994).

Brain and Language, 47, 357-360.

W. Katz,

Speech production in aphasia: What goes wrong, and why? (1994).

Presentation at the 160th Nat. Mtg. of the American Association for the Advancement of Science, San Francisco, Calif.

W. Katz, J. Machetanz, U. Orth und P.W. Schöngle

A kinematic analysis of anticipatory coarticulation in the speech of anterior aphasia subjects using electromagnetic articulography

Brain-Lang. 1990 May; 38(4): 555-75 ISSN 0093-934X

Professor Patricia Keating and Taehong Cho

manual for the AG100 of UCLA

0

Kröger, B.; Winkler, R.; Mooshammer, C.; Pompino-Marschall, B. (2000)

Estimation of vocal tract area function from Magnetic Resonance Imaging: Preliminary results.

Speech Production: Motor Planning and Articulatory Modelling, Kloster Seeon, 333-336.

Bernd J. Kröger

Fortschritte in der Akustik

DAGA 93

Kuehnert, B.

Die alveolare-velare Assimilation bei Sprechern des Deutschen und Englischen. Kinematische und perzeptive Grundlagen

Forschungsberichte des Instituts für Phonetik und sprachliche Kommunikation der Universität München. Band 34, 1996 ISSN 0342 - 782X

Kühnert, B. (1994).

Die alveolar-velare Assimilation bei Sprechern des Deutschen und des Englischen - kinematische und perzeptive Grundlagen

Unpublished Doctoral Dissertation, University of Munich.

B. Kühner Alveolar-Velar Assimilations in Fluent Speech

EMA-Symposium Phonetisches Institut der Universität München

Professor Dr. Tillmann März 1993

Kühnert, B. (1993).

Some kinematic aspects of alveolar-velar assimilations.

FIPKM 31, 263-272.

Kühnert, B.; Ledl, C.; Hoole, P. & Tillmann, H.G. (1991).

Tongue-jaw interactions in lingual consonants

PERILUS, Stockholm, XIV: 21-25

Lassauzay C, Peyron MA, Albuison E, Dransfield E, Woda A.

Variability of the masticatory process during chewing of elastic model foods.

European Journal of Oral Science, 108: 484-492, 2000.

S. Lee, D. Byrd, J. Krivokapic. (2006)

Functional data analysis of prosodic effects on articulatory timing

Journal of the Acoustical Society of America 119, 1666-1671

S. Lee, S. Narayanan, and D. Byrd

Effects of varying speaking rates on spatiotemporal tongue-tip movement patterns

5th International Conference on Speech Motor Control, Nijmegen, Netherlands, June 7-10, 2006

S. Lee, D. Byrd, and J. Krivokapic. (2006)

Functional data analysis of prosodic effects on articulatory timing.

Journal of the Acoustical Society of America 119, 1666-1671.

http://sail.usc.edu/%7Edbyrd/leetal_fda_jasa2006.pdf

Sungbok Lee, Erik Bresch, and Shrikanth Narayanan.

An exploratory study of emotional speech production using functional data analysis techniques.

In Proceedings of 7th International Seminar On Speech Production, Ubatuba, Brazil, December 2006.

<http://sail.usc.edu/publications/issp2006-emotion-mri-fda.pdf>.

A. Löfqvist Recording Speech Movements Using Magnetometry: One Laboratory's Experience

EMA-Symposium Phonetisches Institut der Universität München

Professor Dr. Tillmann März 1993

Ludlow, C.; Siren, K.; Zikria, M.

Applications of motor learning theory to stuttering research

3rd international conference : Speech motor production and fluency disorders, Nijmegen, June 1996

Maassen, B., Kent, R.D., Peters, H.F.M., Van Lieshout, P.H.H.M., and Hulstijn, W. (2003).

Speech motor control in normal and disordered speech.

Oxford University Press. [In Press]

Maassen, B., Hulstijn, W., Kent, R.D., Peters, H.F.M., & Van Lieshout, P.H.H.M. (2001).

Speech Motor Control in Normal and Disordered Speech.

Proceedings 4th International Speech Motor conference, Nijmegen. Nijmegen: Uitgeverij Vantilt.

Maurer, D., Groene, B., Landis, T., Hoch, G., Schoenle, P.W.:

Reexamination of the Relationship between the Vocal Tract and the Vowel Sound with Electromagnetic Articulography (EMA) in Vocalizations.

In: *Journal of Clinical Linguistics and Phonetics* 1993.

McClean, M.D., & Tasko, S.M. (in press).

Association of orofacial muscle activity and movement during changes in speech rate and intensity

Journal of Speech, Language, and Hearing Research.

McClean, M.D. & Tasko, S.M.(2002).

Association of orofacial with laryngeal and respiratory motor output during speech.

Experimental Brain Research, 146, 481-489.

McClean, M.D. & Runyan, C.M. (2000).

Variations in the relative speeds of orofacial structures with stuttering severity.

Journal of Speech, Language, and Hearing Research, 43, 1524-1531.

McClean, M.D. (2000).

Patterns of orofacial movement velocity across variations in speech rate.

Journal of Speech, Language, and Hearing Research, 43, 205-216.

Mefferd A.S.; Green, J.R. (2006, March)

The Predictability of Formant Patterns Based on Lingual Kinematics

Poster Presentation at the Motor Speech Conference in Austin, TX

Mefferd A.S.; Green, J.R. (2006, June)

Formant Pattern Predictability Based on Lingual Kinematics

Poster Presentation at the Speech Motor Conference in Nijmegen, Netherlands.

Mefferd A.S.; Green, J.R. (2005, November)

Articulatory-to-Acoustic Relations in Response to Speaking Rate and Loudness Manipulation.

Poster Presentation at the Annual Speech Language and Hearing Convention in San Diego, CA

Meulenbroek, R.G.J., Thomassen, A.J.W.M., Van Lieshout, P.H.H.M., & Swinnen, S.P. (1997).

A comparison of handwriting models by means of relative-phase analyses: Assessing the stability of pen-tip and joint coordination.

In: A.M. Colla, F. Masulli and P. Morasso (Eds.), IGS '97 Proceedings: The Eight Biennial Conference of the International Graphonomics Society (pp. 19-20). Genova: ART srl (ISBN # 90-803739-1-5)

Moen, Inger; Simonsen, Hanne Gram.

The combined use of EPG and EMA in articulatory descriptions.

Advances in Speech Language Pathology 2007;9(1):120-127

Moen, Inger; Simonsen, Hanne Gram; Lindstad, Arne Martinus

An electronic database of Norwegian speech sounds: clinical aspects

Journal of Multilingual Communication Disorders 2004;2(1):43-49

Moen, Inger; Simonsen, Hanne Gram; Lindstad, Arne Martinus; Cowen, Steve

The Articulation of the East Norwegian Apical Liquids /ØR/.

Proceedings of the 15th International Congress of Phonetic Sciences, Barcelona 2003. Adelaide, Australia: Causal Productions Pty Ltd 2003. ISBN 1-876346-49-3. s. 1755-1758

Inger Moen a , Hanne Gram Simonsen a , Morten Huseby b , John Grue b

The Relationship between Intraoral Air Pressure and Tongue/Palate Contact during the Articulation

a Department of Linguistics, University of Oslo, Norway b Department of Mathematics, University of Oslo, Norway

*Mooshammer, C. & Geng, C. (submitted).

Acoustic and articulatory manifestations of vowel reduction in German.

*Journal of the International Phonetic Association. */*

*Mooshammer, C.; Hoole, P. & Geumann, A. (in press).

Jaw and order.

*Language and Speech/.**

*Mooshammer, C.; Hoole, P. & Geumann, A. (2006).

*Inter-articulator cohes**ion within coronal consonant *production.*

Journal of the Acoustical Society of America/ 120, 1028-1039.

Mooshammer, C., Perrier, P., Fuchs, S., Geng, C. & Pape, D. (2004)

An EMA and EPG study on token-to-token variability

AIPUK 36: 47-63

Mooshammer, C., Geumann, A., Hoole, P., Alfonso, P., Van Lieshout, P., & Fuchs, S. (2003).

Coordination of lingual and mandibular gestures for different manners of articulation.

To appear in Proceedings XVth International Congress of Phonetic Sciences, Barcelona, August 3-9, 2003.

Mooshammer, C.; Fuchs S. (2002).

Stress distinction in German: Simulating kinematic parameters of tongue tip gestures

J. Phonetics 30, 337-355

Mooshammer, C.; Hoole, P.; Alfonso, P; Fuchs S. (2001)

Intrinsic pitch in German: A puzzle?

JASA 110:2761(A).

Mooshammer, C; Perrier, P.; Fuchs, S.; Geng, C.; Payan Y. (2001)

The control of token-to-token variability: An experimental und modelling study.

Proc. 4th International Speech Motor Conference, 78-81. Nijmegen.

Mooshammer, C.; Fuchs, S. (2000).

Stress distinction in German: Modeling kinematic parameters of tongue tip gestures.

Proceedings of the 5th Seminar on Speech Production: Models and Data & Crest Workshop on Models of Speech Production: Motor Planning and Articulatory Modelling, Kloster Seeon, 85-88.

Mooshammer, C.; Fuchs, S.; Fischer, D. (1999).

Effects of stress and tenseness on the production of CVC syllables in German.

Proceedings of the 14th International Congress of Phonetic Sciences, San Francisco, 409-412.

Mooshammer, C; Perrier, P.; Payan Y. (1999).

Simulation of token-to-token variability in vowel production.

Journal of the Acoustical Society of America 105, 1356 (A).

Mooshammer, C. (1998).

Experimentalphonetische Untersuchungen zur artikulatorischen Modellierung der Gespanntheitsopposition im Deutschen

[Diss. HU Berlin]. Forschungsberichte des Instituts für Phonetik und Sprachliche Kommunikation der Universität München (FIPKM) 36, 3-192.

Mooshammer, C.;Schiller, N.

Coarticulatory effects on kinematic parameters of rhotics in German

1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996

Mooshammer, C., Hoole, P. & Kühnert, B. (1995).

On loops.

J.Phonetics (in press).

C. Mooshammer und P. Hoole

Articulation and Coarticulation in Velar Consonants

EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993

Mooshammer, C. & Hoole, P. (1993).

Articulation and coarticulation of velar consonants.

FIPKM 31: 249-262.

Mooshammer, C. (1992). Artikulatorische Untersuchungen mit EMA

Die Zungenbewegung bei der Produktion von VCV-Sequenzen mit velarer Konsonanz und langem und kurzem Erstvokal,

Unveröffentlichte Magisterarbeit, Institut für Phonetik, Ludwig-Maximilians-Universität, München.

Cord Müller

Analyse der Zungenkinetik beim Schlucken mit Hilfe der elektromagnetischen Artikulographie
Dissertation aus der Abt. klinische Neurophysiologie; Komm.Leiter: Prof.Dr.med. K.-P. Schaefer - Georg-August
Universität Göttingen 1992

Richard Mullooly

An electromagnetic articulography study of resyllabification of rhotic consonants in English
Proc. ICPHS 2003. Barcelona.

Bruce Murdoch and Justine Goozée

Articulatory Dynamics In Children With Dysarthria Following Traumatic Brain Injury
Nijmegen, The Netherlands: Vantilt.

Namasivayam, A.K., & Van Lieshout, P.H.H.M. (2001).

Compensation and adaptation to static perturbation in people who stutter.

In B. Maassen, W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout (eds.), *Speech Motor Control in Normal and Disordered Speech* (p. 253-257). Nijmegen, The Netherlands: Vantilt.

Namasivayam, A.K., & Van Lieshout, P.H.H.M. (2004).

Kinematic changes following static perturbation in people who stutter.

In A. Packman, A. Melzer, & H. Peters (eds.), *Theory, Research and Therapy in Fluency Disorders* (pp. 331-338). Nijmegen University Press: Nijmegen, The Netherlands.

Nguyen, N

A MATLAB toolbox for the analysis of articulatory data in the production of speech,' Behavior Research Methods, Instruments, and Computers

0

N. Nguyen, P. Hoole

Frequency variations of the lowest main spectral peak in sibilant clusters

3rd European Conference on Speech Communication and Technology, Berlin 1993, Germany

Nguyen, N. & Hoole, P. (1993).

Frequency variations of the lowest main spectral peak in sibilant clusters: An acoustic and EMA investigation.

FIPKM, 31: 239-248.

N. Nguyen, P. Hoole und A. Marchal

Articulatory-acoustic correlations in the production of fricatives "Prediction of fricative spectra from a set of EMA parameters: Towards a non-linear approach",

Proc. XIIth ICPHS, Aix-en-Provence, August 1991

Nguyen-Trong, N.; Hoole, P. & Marchal, A. (1994)

Regenerating the spectral shapes of [s] and [ʃ] from a limited set of articulatory parameters.

J. Acoustical Soc. America, 96:33-39.

K. Nicolaidis, W.J. Hardcastle, A. Marchal, N. Nguyen-Trong

Comparing phonetic, articulography, acoustic and aerodynamic signal representations

ESCA Tutorial "Comparing Speech Signal Representations" Sheffield England, 1992, 61-84

Nijland L., Maassen B., Hulstijn W., & Peters H.F.M. (2004)

Speech motor coordination in Dutch-speaking children with DAS studied with EMMA

Journal of multilingual communication disorders, 2(1), 50-60.

Nijland, L., Maassen, B., Hulstijn, W., & Peters, H.F.M. (in press).

Speech motor coordination in children with DAS studied with EMMA

Journal of Multilingual Communication Disorders.

Nijland, L., Maassen, B., Hulstijn, W., & Peters, H.F.M. (2002).

Speech motor coordination in children with DAS studied with EMMA [Abstract].

ICPLA: International Clinical Phonetics & Linguistics Association, 9 th Meeting; May 1-4, 2002; Hong Kong,

Lian Nijland, Ben Maassen, Wouter Hustijn, Herman F.M. Peters

Articulatory coupling in children with DAS studied with EMMA

Nijmegen, The Netherlands: Vantilt.

- Nijland, L., Maassen, B., & Hulstijn, W. (2000).
Development of articulatory coupling studied with electromagnetic midsagittal articulography [Abstract].
VIIIth meeting of the ICPLA, Edinburgh, 16-19 August 2000
- Pape, D., Mooshammer, C., Hoole, P. & Fuchs, S. (2006)
Devoicing of word-initial stops: A consequence of the following vowel?
In Harrington, J. & Tabain M. (Eds.): *Speech production: Models, Phonetic Processes and Techniques.*
Psychology Press: New York
- Payan Y. & Perrier P. (1997).
Synthesis of V-V Sequences with a 2D biomechanical tongue model controlled by the Equilibrium Point Hypothesis.
Speech Communication, 22(2/3), 185-205.
- Payan Y. & Perrier P. (1997).
Why should speech control studies based on kinematics be considered with caution? Insights from a 2D biomechanical model of the tongue.
Proceedings of EUROSPEECH' 97 (Vol. 4, pp. 2019-2022), Rhodes, September 1997
- Payan Y. & Perrier P. (1996).
Articulatory and acoustic simulations of VV transitions with a 2D biomechanical tongue model controlled by the Equilibrium Point Hypothesis.
Proceedings of the 1st ESCA Tutorial and Research Workshop on Speech Production Modeling (pp. 121-124), European Speech Communication Association. Autrans, France.
- Perkell, J.; Matthies, M.; Wilhems-Tricarico, R.; Lane, H.; Wozniak, J.
Speech motor control: phonemic goals and the use of feedback
1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996
- J. S. Perkell
On the Use of Electro-Magnetic Midsagittal Articulometer (EMMA) Systems
EMA-Symposium Phonetisches Institut der Universität München Professor Dr. Tillmann März 1993
- J.S. Perkell, M.H. Cohen, M.A. Svirsky, M.L. Matthies, I. Garabieta, M.T.T. Jackson
Electro-Magnetic Midsagittal Articulometer (EMMA) Systems for Transducing Speech Articulatory Movements
Journal of the Acoustical Society of America, Jasa, June 16, 1992
- Pascal Perrier, Susanne Fuchs, Christian Geng and Yohan Pay AN
The Control of Token-to-Token Variability: an Experimental and Modeling Study
Nijmegen, The Netherlands: Vantilt.
- Peters, H.F.M., Hulstijn, W., & Van Lieshout, P.H.H.M.
Recent developments in speech motor research into stuttering.
Folia Phoniatrica et Logopaedica, 52, 103-119.
- Peters, H.F.M., Van Lieshout, P.H.H.M., & Hulstijn, W. (1996).
The Nijmegen Speech Motor Test (NSMT): Preliminary findings.
3rd International Conference on Speech Motor Production and Fluency Disorders, Nijmegen, The Netherlands, June 5-8.
- Peters, H.F.M., Hulstijn, W., & Van Lieshout, P.H.H.M. (1995).
Towards a Nijmegen Speech Motor Test (pp. 15-18).
In C.W. Starkweather & H.F.M. Peters (Eds.), *Proceedings First World Congress on Fluency Disorders (Volume 1)*, International Fluency Association, Munich, Germany.
- Peters, H.F.M., Hulstijn, W., Van Lieshout, P.H.H.M. (1994).
Towards a Nijmegen Speech Motor Test.
In H.F.M. Peters & C.W. Starkweather (Eds.), *Proceedings 1st World Congress on Fluency Disorders. IFA publication. (in press)*
- Peters, Hulstijn and Starkweather (eds.)
Speech Motor Control and Stuttering
Elsevier Science Publishers B.V., Amsterdam 1991, 243-249

- Peters, H.F.M., Hulstijn, W., & Van Lieshout, P.H.H.M. (2000).
Recent developments in speech motor research into stuttering.
Folia Phoniatrica et Logopaedica, 52, 103-119.
- Peyron MA, Blanc O, Lund JP, Woda A.
Influence of age on mastication.
J Dent Res, 82, special issue B, abstract 2278 : 296, 2003.
- Peyron MA, Lassauzay C, Woda A.
Effects of increased hardness on jaw movement and muscle activity during chewing of visco-elastic model foods.
Experimental Brain Research, 142(1): 41-51, 2002.
- Peyron M.A., Woda A.
Adaptation de la mastication aux propriétés mécaniques des aliments.
Revue d'Orthopédie Dento-Faciale, 35(3): 405-420, 2001.
- Peyron M.A., Mioche L., Renon P. and Abouelkaram S.
Masticatory Jaw Movement Recordings = A new method to investigate food texture
Food Quality and Preference vol 7 (n° 3/4) pp 229-237, 1996
- Pfitzinger, H.R. (2003)
Using Two- and Three-Dimensional Fleshpoint Measurements of Articulatory Kinematics in Concatenative Speech Synthesis.
6th Int. Seminar on Speech Production, 2003. Sydney. Dec. (forthcoming)
- Pompino-Marschall, B. & Mooshammer, Ch. (1997),
Factors of variation in the production of the German dorsal fricative.
Proceedings Eurospeech '97. Rhodos. vol. 1., 375-378.
- Pompino-Marschall, Bernd; Janker, Peter M. & Mooshammer, Ch. (1996),
Kinematic and dynamic analysis of syllable articulation. A pilot study on German syllables with tense and lax vowels.
ZAS Papers in Linguistics (ZASPL) 7, 163-192.
- Pompino-Marschall, B.
Assimilation as a continuous coarticulatory process: First articulographic results
Proc. XIth ICPHS, Aix-en-Provence, August 1991
- Recasens, D.
An EMA study of VCV coarticulatory direction
Journal of the Acoustical Society of America, 111, 2002, pp. 2828-2841.
- Restle, D.; Mooshammer, C. (1999),
The influence of the tense-lax contrast in vowels on the production of post-vocalic consonants in Standard German.
Proceedings of the 14th International Congress of Phonetic Sciences, San Francisco, 531-534.
- Rietveld, A.C.M. & Van Heuven, V.J. (1997).
Algemene fonetiek [Allgemeine Phonetik].
Bussum, The Netherlands: Coutinho. (isbn 90 6283 029 3)(Dutch)
- Rietveld, T., & Van Lieshout, P. (1996).
Articulation and accentuation: Preliminary results (pp. 99-104).
In H. Strik, N. Oostdijk, C. Cucchiari, & P.A. Coppen (Eds.), Proceedings 19. University of Nijmegen, The Netherlands: Department of Language and Speech.
- Robinson, Ray (December 2002)
"Synchronising Physiology Data"
<http://www.shlrc.mq.edu.au/~robinson/papers>
- Robinson, Ray
Titled "Articulograph Interface" which describes how we have connected the AG100 to our SUN workstation.
Canberra N.S.W. Australia

Rouco, A, Recasens, Daniel

Reliability of EMA and EPG data acquired simultaneously Submitted Journal of the Acoustical Society of America

Presented at the 3rd ACCOR Workshop on Articulatory Databases, Munich, 25-26 May, 1995

Rouco, A, Recasens, D.

Reliability of electromagnetic midsagittal articulometry and electropalatography data acquired simultaneously

Journal of Acoustical Society of America, 100, 3384-3389

Rubin, P.; Saltzman, E.; Goldstein, L.; McGowan, R.; Tiede, M.; Browman, C.

CASY and extention to the task-dynamic model

1st ESCA Tutorial and Research Workshop on Speech Production Modeling, Autrans, May 1996

Rutjens C.A.W., Spauwen P.H.M., and Van Lieshout P.H.H.M. (2001).

Lip movement in patients with unilateral cleft lip.

The Cleft Palate-Craniofacial Journal, 38(5), 468-475.

Sanderman, A.A., Van Lieshout, P.H.H.M., Peters, H.F.M., & Hulstijn, W. (1995).

Coordination of speech movements in lipclosing gestures in perceptually fluent speech of stutterers and nonstutterers.

Stem, Spraak en Taalpathologie, 4(4), 249-256. (in Dutch)

Gabriele Scharf (University of Tuebingen), Ingo Hertrich (University of Tuebingen), Iggy Roca (University of Essex), Grzegorz Dogil (University of Stuttgart):

Articulatory correlates of secondary stress in Polish and Spanish (oral presentation)

ICPhS in Stockholm in August 1995 Conference on Interfaces in Phonology in Berlin, 23.-25.3.95

Gabriele Scharf (University of Tuebingen), Ingo Hertrich (University of Tuebingen), Justus Roux (University of Stellenbosch, South Africa), Grzegorz Dogil (University of Stuttgart):

An articulatory description of clicks by the means of Electromagnetic Articulography" (poster) ICPhS in Stockholm in August 1995

0 147 Schiller 1997 Schiller, N.O., Van Lieshout, P.H.H.M., Meyer, A.S., & Levelt, W.J.M. (1997).
Is the syllable an articulatory unit in speech production? Evidence from an EMMA study. In P. Wille (Ed.), *Fortschritte der Akustik - DAGA '97* (pp. 605-606). Oldenburg, Germany: DEGA.

0 148 Schiller 1997 Schiller, N.O., Van Lieshout, P.H.H.M., Meyer, A.S., & Levelt, W.J.M. (1997).
Ist die Silbe eine articulatorische Einheit in der Sprachproduktion? Hinweise aus einer EMA-Studie [Is the syllable a unit of articulation in speech production? Clues from a EMA study]. DAGA meeting, March 3-7, Kiel, Germany.

0 149 Schiller 1997 Schiller, N.O., Van Lieshout, P.H.H.M., Meyer, A.S., & Levelt, W.J.M. (1997).
The articulatory timing of intervocalic consonants with different syllable affiliations: Results from an EMMA study. 6th Annual Conference of the ICPLA, October 13-15, Nijmegen, The Netherlands.

0 150 Schiller 1997 Schiller, N.O. (1997). The role of the syllable in speech production.
Evidence from lexical statistics, metalinguistics, masked priming, and electromagnetic midsagittal articulography. PhD dissertation, Nijmegen University.

0 307 Schiller 1997 Schiller, N. O., Van Lieshout, P. H. H. M., Meyer, A. S., & Levelt, W. J. M. (1997). Das artikulatorische timing intervokalischer Konsonanten in Abhängigkeit von ihrer Silbenzugehörigkeit: Ergebnisse aus einer EMMA-Studie (abstract) [The articulatory timing of intervocalic consonants with different syllable affiliations: Results from an EMMA study]. In C. Doppler, M. Hielscher, L. Sichelschmidt, & H. Strohner (Eds.), *Abstracts zur 28. Jahrestagung der Gesellschaft für Angewandte Linguistik in Bielefeld, September 25-27, 1997* [Abstracts of the 28th Annual Meeting of the Society of Applied Linguistics], p. 120.

0 151 Schiller 1999 Schiller, N.O., Van Lieshout, P.H.H.M., Meyer, A.S., & Levelt, W.J.M. (1999). Does the syllable affiliation of intervocalic consonants have an articulatory basis? Evidence from Electromagnetic Midsagittal Articulography. In B. Maassen and P. Groenen (eds.), *Pathologies of Speech and Language: Advances in Clinical Phonetics and Linguistics* (pp. 345-350). London, UK: Whurr Publishers Ltd.

0 152 Schoenle 1993 Schoenle, P. W. and Groene, B.: Cerebellar Dysarthria. In: Blanken, G., Dittmann, J., Grimm, H., Marshall, J.C., Wallesch, C. (Eds.): *Linguistic Disorders and Pathologies. An International Handbook*. W. de Gruyter. Berlin -New York 1993, 468-476.

0 153 Schoenle 1991 Schoenle, P. W., Hoch, G., Groene, B.: A motor physiological approach to disorders of fluency with electromagnetic articulography. In: Peters, H.F.M., Hulstijn, W., and Starkweather, C.W. (Eds.): *Speech Motor Control and Stuttering*. Elsevier science publishers, Amsterdam, Oxford, New York 1991, 243-248.

0 154 Schöngle 1992 P.W. Schöngle, B.F. Grüne Cerebelläre Dysarthrie / Wallesch (Hrsg.)
Handbook of Motor Speech Disorders, 1992 - in Druck

- 0 159 Schöngle 1991 P.W. Schöngle, B.F. Gröne, G. Hoch *The Kinematic Analysis of Motor Deficits in Aphasia* In: J.S. Chopra, K. Jogannathan, I.M.S. Sawhney (eds.) *Modern Trend in Neurology*; B.I. Churchill Livingston New Delhi 1991, 67-74
- 0 160 Schöngle 1991 P.W. Schöngle, B.F. Gröne, G. Hoch *Zur Kinematik der Sprechpraxie* Mauritz/Hömberg: *Neurologische Rehabilitation* 1. H.Huber Bern/Göttingen/Toronto, 1991, 1-7
- 0 155 Schöngle 1989 P.W. Schöngle, C. Müller und P. Wenig *Echtzeitanalyse von orofacialen Bewegungen mit Hilfe der elektromagnetischen Articulographie* Biomed. Technik 34, 126-130 (1989)
- 0 158 Schöngle 1988 P.W. Schöngle *Elektromagnetische Articulographie* Springer-Verlag, Berlin-Heidelberg-New York, 1988 (ISBN 3-540-50071-5)
- 0 156 Schöngle 1987 P.W. Schöngle, K. Gräbe, P. Wenig, J. Höhne, J. Schrader und B. Conrad *Electromagnetic Articulography: Use of Alternating Magnetic Fields for Tracking Movements of Multiple Points Inside and Outside the Vocal Tract* Brain and Language 31, 26-35 (1987)
- 0 157 Schöngle 1983 P.W. Schöngle, P. Wenig, J. Schrader, K. Gräbe, E. Brockmann und B. Conrad *Ein elektromagnetisches Verfahren zur simultanen Registrierung von Bewegungen im Bereich des Lippen-, Unterkiefer und Zungensystems* Biomed. Technik 28, 263-267 (1983)
- 0 161 Schöngle 0 P.W. Schöngle, G. Hoch, B.F. Gröne *A Motor Physiological Approach to Disorders of Fluency with Electromagnetic Articulography* 0
- 0 196 Schulz 2001 Geralyn M. Schulz, Susan Leon, Stephanie Sulc *Speech Motor Learning in Parkinson's Disease* Nijmegen, The Netherlands: Vantilt.
- 0 258 Schulz 2001 Schulz, G.M., Stein, L., & Micallef, R., (2001). *Speech Motor Learning: Preliminary Data*. Clinical Linguistics and Phonetics, 15, 157-161.
- 0 204 Schulz 2000 Schulz, Geralyn. *Kinematic measures of experimental fistula and VPI* ASHA (American Speech-Language-Hearing Association) Convention in Washington
- 0 205 Schulz 2000 Schulz, Geralyn *Articulatory movements in adductor spasmodic dysphonia pre- and post-botox* ASHA (American Speech-Language-Hearing Association) Convention in Washington
- 0 206 Schulz 2000 Schulz, Geralyn *Normal processes in speech production and perception II* ASHA (American Speech-Language-Hearing Association) Convention in Washington
- 0 223 Schulz 2000 Geralyn M. Schulz *Speech Motor Learning in Parkinson's Disease Conference on Motor Speech Motor Speech Disorders - Speech Motor Control 2000* San Antonio, TX
- 0 259 Schulz 2000 Schulz, G.M., Sulc, S., Leon, S., & Gilligan, G. (2000). *Speech Motor Learning In Parkinson's Disease: Preliminary Results*. Journal of Medical Speech Language Pathology, 8, 243-247.
- 0 165 Schwestka-Polly 1995 R. Schwestka-Polly, W. Engelke, G. Hoch *Electromagnetic articulography as a method for detecting influence of spikes on tongue movement* European Journal of ORTHODONTICS 17 (1995) 411-417
- 0 162 Schwestka-Polly 1992 Schwestka-Polly, W. Engelke, Göttingen *Artikulationsmotorische Befunde bei Patienten mit Dysgnathien* Deutsche Gesellschaft für Phoniatrie und Pädaudiologie Jahrestagung 1992 in Garmisch-Partenkirchen:
- 0 163 Schwestka-Polly 1992 R. Schwestka-Polly, W. Engelke, D. Engelke *Bedeutung der elektromagnetischen Artikulographie bei der Untersuchung der motorischen Zungenfunktion im Rahmen kieferorthopädischer Diagnostik* Fortschritte der Kieferorthopädie 53 (1992), 3-10 (Nr. 1) Urban & Vogel Verlag München
- 0 164 Schwestka-Polly 1991 R. Schwestka-Polly, W. Engelke, D. Engelke und D. Kuben-Meesenburg *Die elektromagnetische Artikulographie als Methode zur Untersuchung der motorischen Zungenfunktion bei Dysgnathien* Dt. Gesellsch. f. Kieferorthopädie e.V. Wissenschaftliche Jahrestagung Aachen 22.-26. Mai 1991 ISSN 0015-816X
- 0 228 Scobbie 2003 James M. Scobbie, Alan A. Wrench *An articulatory investigation of word final /l/ and /l/-sandhi in three dialects of English" and one by Richard Mullooly*
Proc. ICPHS 2003. Barcelona.

Hanne Gram Simonsen, Inger Moen and Steve Cowen

Retroflex consonants in Norwegian: Are they really? Evidence from EMA and EPG Models and Data. Kloster Seeon, Bavaria, Germany

Smith C. (1996).

La production des consonnes doubles en français.

In *Travaux de l'Institut de Phonétique de Strasbourg (TPIS)*, 26 (pp. 145-156).

Sock R., Löfqvist A. & Perrier P. (1996).

Kinematic and acoustic correlates of quantity in swedish and wolof: a cross-language study. Proceedings of the 1st ESCA Tutorial and Research

Workshop on Speech Production Modeling (pp. 81-84), European Speech Communication Association. Autrans, France.

Stattrop, U., Storch, G., Guillaumier, C., Ackermann, H. & Schönle, P.W. (1996)

Untersuchung sprechmotorischer Störungen nach schwerem gedecktem Schädel-Hirn-Trauma mittels EMA.

Neurologie & Rehalititation, 3, 155-164.

Steele, C.M. & van Lieshout, P.H.H.M. (2006, in press).

Age-related changes in tongue movement kinematics and variability in swallowing

Abstracts of the 14th annual Dysphagia Research Society meeting, March, 2006, Scottsdale, AZ. Dysphagia.

Steele, C.M. & van Lieshout, P.H.H.M. (2006, in press).

Kinematic markers of Parkinson's disease in tongue movements for swallowing.

Abstracts of the 14th annual Dysphagia Research Society meeting, March, 2006, Scottsdale, AZ. Dysphagia.

Steele, C.M. & Van Lieshout, P.H.H.M. (under review).

The dynamics of lingual-mandibular coordination during liquid swallowing.

Dysphagia

Steele, C.M. & van Lieshout, P.H.H.M. (2005, November).

Tongue and Jaw Movement Sequencing During Liquid Swallows.

American Speech-Language Hearing Association Convention, San Diego, CA.

Steele, C.M. (2005).

Bolus consistency influences on contraction and expansion of the midsagittal tongue surface during sequential swallowing.

Abstracts of the 13th annual Dysphagia Research Society meeting, October, 2004, Montreal, QC. Dysphagia, 20(4), 372.

Steele, C.M. & Van Lieshout, P.H.H.M. (2005).

Does barium influence tongue behaviors during swallowing?

American Journal of Speech-Language Pathology, 14, 27-39.

Steele, C.M. & Van Lieshout, P.H.H.M. (2004).

The Influence of Bolus Consistency on Lingual Behaviours in Sequential Swallowing.

Dysphagia, 19, 3 , 192-206.

Steele, C.M. (2003).

Kinematics and Coordinative Dynamics in Normal Human Swallowing. Doctoral Thesis.

Doctoral Thesis ,University of Toronto.

Steele, C.M. & Van Lieshout, P.H.H.M. (submitted).

Microanalysis of lingual kinematics and variability for discrete water swallows.

Journal of Speech, Language and Hearing Research

Steele, C.M.& Van Lieshout, P.H.H.M. (2003).

The Influence of Bolus Consistency on Lingual Behaviours in Sequential Swallowing.

Oral Presentation at the 12th Annual Dysphagia Research Society; Meeting. October, 2003, San Francisco, CA.

Steele, C.M.& Van Lieshout, P.H.H.M. (2003).

The Dynamics of Oral Articulatory Coordination in Liquid Swallows.

Oral Presentation at the 12th Annual Dysphagia Research Society Meeting. October, 2003, San Francisco, CA.

Steele, C.M. & Van Lieshout, P.H.H.M. (2003).

Within-subject variability in swallowing kinematics.

Abstracts of the the 11th annual Dysphagia Research Society meeting, Miami, FL. Dysphagia, 18, 2, 156.

Steele, C.M. & Van Lieshout, P.H.H.M. (2003).

Do tongue behaviours for swallowing differ for water vs. barium?

Abstracts of the the 11th annual Dysphagia Research Society meeting, Miami, FL. Dysphagia, 18, 2, 161.

Steele, C.M. & Van Lieshout, P.H.H.M. (2002)

Kinematics of swallowing measured using electromagnetic midsagittal articulography.

Abstracts of the 10th annual Dysphagia Research Society Meeting, October 2001, Albuquerque, NM. *Dysphagia*, 17(2), 176.

Steele, C.M., & Van Lieshout, P.H.H.M (2001)

Perception-action relationships in the neural control of oral movements for swallowing. Speech Motor Control in Normal and Disordered Speech

In B. Maassen, W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout (eds.), *Speech Motor Control in Normal and Disordered Speech* (p. 146-149). Nijmegen, The Netherlands: Vantilt.

Steele, C.M. & Van Lieshout, P.H.H.M. (2001).

Perception-action relationships in human tongue movements for bolus transit.

In G. A. Burton & R. C. Schmidt (Eds). *Studies in Perception and Action VI*, (pp. 93-96). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Steele, C.M. & Van Lieshout, P.H.H.M. (April, 2001).

Sensory-motor interactions revealed in oral movements during swallowing of different textures.

Poster presentation at annual Program in Neuroscience Poster Day, University of Toronto.

Steele, C.M. & Van Lieshout, P.H.H.M. (2004).

The use of electromagnetic midsagittal articulography in the study of swallowing

Journal of Speech, Language and Hearing Research, 47(2), 342-352.

M. Tabain

Effects of prosodic boundary on /aC/ sequences: articulatory results.

Journal of the Acoustical Society of America, Volume 113, Issue 5, pp. 2834-2849.

Stephen M. Tasko, Michael D. McClean and Charles M. Runyan AN

Variation in Speech Motor Output Following Stuttering Treatment

Nijmegen, The Netherlands: Vantilt.

Tasko SM, McClean MD, & Runyan CR

Speech motor changes coincident with stuttering treatment.

Journal of Communication Disorders, 40, 42-65.

Thomassen, A.J.W.M., Meulenbroek, R.G.J., Van Lieshout, P.H.H.M., & Swinnen, S.P. (1997).

Phase relations among effector-segment and pen-tip movements.

In: A.M. Colla, F. Masulli and P. Morasso (Eds.), *IGS '97 Proceedings: The Eight Biennial Conference of the International Graphonics Society* (pp. 21-22). Genova: ART srl (ISBN # 90-803739-1-5)

Tillmann, H.G.; Pfitzinger, H.R. (2003)

Local Speech Rate: Relationships between Articulation and Speech Acoustics.

Proc. ICPHS 2003. Barcelona.

Prof. Dr. Hans G. Tillmann

Wie funktioniert gesprochene Sprache ?

Einsichten; Forschung an der Ludwig-Maximilians-Universität München; 1/92; 12-17

Torng, P.-C., Alfonso, P.J., & Van Lieshout, P. (2000).

Lexical tone specification on vocal tract shape in mandarin Chinese vowel production (pp. 73-76).

In Ph. Hoole (Ed.), *Proceedings of 5th Speech Production Seminar: Models and Data*. Kloster Seeon, Bavaria, Germany, May 1 - 4, 2000. Munich: Institut fuer Phonetik und Sprachliche Kommunikation Ludwig-Maximilians-Universitaet, Munich.

Pao-chuan Torng, Peter J. Alfonso and Pascal van Lieshout

Lexical tone specification on vocal tract shape in Mandarin Chinese vowel production

Models and Data. Kloster Seeon, Bavaria, Germany

Torng, P.-C., Van Lieshout, P.H.H.M., & Alfonso, P.J. (2001).

Articulator position and laryngeal control in Mandarin vowels.

In B. Maassen, W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout (eds.), *Speech Motor Control in Normal and Disordered Speech* (p. 82-85). Nijmegen, The Netherlands: Vantilt.

B. Tuller, S. Shao und J.A. Scott Kelso

An evaluation of alternating magnetic field device for monitoring tongue movements

J. Acoustical Soc. Amer. 88 (2), August 1990 0001-4966/90/080674-06\$00.80

Van Lieshout, P.H.H.M., Bose, A., Square, P.A. & Steele, C.M. (2006, in press).

Speech motor control of fluent and dysfluent speech production of an individual with apraxia of speech and Broca's aphasia

Clinical Linguistics and Phonetics

Van Lieshout, P.H.H.M. (2004).

Dynamical systems theory and its application in speech. In: B. Maassen, R. Kent, H.F.M. Peters, P. Van Lieshout and W. Hulstijn (eds.). Speech Motor Control In Normal And Disordered Speech, p. 51-82.

Oxford, UK: Oxford University Press.

Van Lieshout, P.H.H.M. (2004).

Searching for the weak link in the speech production chain of people who stutter: A motor skill approach.

In: B. Maassen, R. Kent, H.F.M. Peters, P. Van Lieshout and W. Hulstijn (eds.). *Speech Motor Control In Normal And Disordered Speech*, 313-356. Oxford, UK: Oxford University Press.

Van Lieshout, P.H.H.M. (2003).

Coupling dynamics in speech gestures.

Abstracts of the International Nonlinear Sciences Conference: Research and Applications in the Life Sciences, Vienna, Austria, p. 44.

Van Lieshout, P.H.H.M. & Steele, C.M. (2002).

The use of electromagnetic midsagittal articulography (EMMA) in swallowing research.

Abstracts of the 10th annual Dysphagia Research Society Meeting, October 2001, Albuquerque, NM. *Dysphagia*, 17(2), 177.

Van Lieshout, P., Bose, A., & Namasivayam, A.K. (2002).

Physiological effects of an 8-week mechanically aided resistance facial exercise program.

The International Journal of Orofacial Myology, 28, 49-73.

Van Lieshout, P.H.H.M., Rutjens C.A.W., & Spaunen P.H.M. (2002).

The dynamics of interlip coupling in speakers with a repaired unilateral cleft-lip history.

Journal of Speech, Language, and Hearing Research, 45(1), 5-19.

Van Lieshout, P.H.H.M. (2001).

Recent developments in studies of speech motor control in stuttering.

In B. Maassen, W. Hulstijn, R.D. Kent, H.F.M. Peters, & P.H.H.M. van Lieshout (eds.), *Speech Motor Control in Normal and Disordered Speech* (p. 286-290). Nijmegen, The Netherlands: Vantilt.

Van Lieshout, P.H.H.M. (2001).

Coupling dynamics of motion primitives in speech movements and its potential relevance for fluency.

Society for Chaos Theory in Psychology & Life Sciences Newsletter, 8(4), 18.

Van Lieshout, P., Rutjens, C., & Spaunen, P.

The dynamics of inter-lip coupling in speakers with and without a repaired unilateral cleft-lip history

Models and Data. Kloster Seeon, Bavaria, Germany

Van Lieshout, P.H.H.M. & Moussa, W. (2000).

The assessment of speech motor behaviors using electromagnetic articulography.

The Phonetician, 81(I), 9-22.

Van Lieshout, P.H.H.M. & Rietveld, A.C.M. (2000).

Meten aan spraakproductie: Instrumentele technieken [Measuring speech production: Instrumental techniques].

In: H.F.M. Peters et al. (eds.) *Handboek Stem- Spraak- Taalpathologie* (p. 1-28), A9.2.2., 12. Houten: Bohn Stafleu Van Loghum.

Van Lieshout, P., Rutjens, C., & Spaunen, P. (2000).

The dynamics of inter-lip coupling in speakers with and without a repaired unilateral cleft-lip history (pp. 49-52).

In Ph. Hoole (Ed.), *Proceedings of 5th Speech Production Seminar: Models and Data*. Kloster Seeon, Bavaria, Germany, May 1 - 4, 2000. Munich: Institut fuer Phonetik und Sprachliche Kommunikation Ludwig-Maximilians-Universitaet, Munich.

Van Lieshout, P.H.H.M. (2000).

Speech planning and speech motor determinants of stuttering (seminar). Title presentation: Coupling dynamics in speech motor control.

The ASHA leader, 5 (16), p. 167.

Van Lieshout, P.H.H.M., Huij, M., & Hulstijn, W. (1999).

Flexibility and stability in bilabial gestures: 2) Evidence from continuous syllable production. J. J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, & A. C. Bailey (eds.),

Proceedings XIVth International Congress of Phonetic Sciences, San Francisco, August 1-7, 1999, Volume 1 (pp. 45-48). American Institute of Physics.

Van Lieshout, P., Huij, M., & Hulstijn, W. (1999).

Flexibility and stability in bilabial gestures: Evidence from continuous syllable production.

Abstracts XIVth International Congress of Phonetic Sciences, San Francisco, August 1-7, 1999, p. 3

Van Lieshout, P.H.H.M. (1998).

Effectmeting bij stottertherapie [Efficacy measures in stuttering therapy]

Stem, Spraak- en Taalpathologie, 7(3), 183-196. (in Dutch)

Van Lieshout, P.H.H.M. (1998).

Linguistic and motor determinants: How well can they be separated?

In E.C. Healey & H.F.M. Peters (eds.), Proceedings Second World Congress on Fluency Disorders, San Francisco, August 18-22, 1997 (pp. 15-23). IFA publication, Nijmegen, The Netherlands: University Press Nijmegen.

Van Lieshout, P.H.H.M. (1997).

Spraakmotoriek: Theoretische inzichten en klinische toepassingen [Speech motor control: Theoretical insights and clinical applications].

In Proceedings NVLF Jaarcongres (pp. 36-46). Gouda, The Netherlands: NVLF. [in Dutch]

Van Lieshout, P.H.H.M., & Alfonso, P.J. (1997).

Nonlinear dynamics as a conceptual framework for the treatment of verbal motor behavior in people who stutter: Theoretical concepts and therapeutic implications.

Proceedings Second World Congress on Fluency Disorders, San Francisco, August 18-22, 1997.

Van Lieshout, P.H.H.M., Peters, H.F.M., & Bakker, A. (1997).

En route to a speech motor test: A first halt (pp. 463-471).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). Speech production: Motor control, brain research and fluency disorders. Amsterdam, The Netherlands: Elsevier Publishers.

Van Lieshout, P.H.H.M., Hulstijn, W., Alfonso, P.J., & Peters, H.F.M. (1997).

Higher and lower order influences on the stability of the dynamic coupling between articulators (pp. 161-170).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). Speech production: Motor control, brain research and fluency disorders. Amsterdam, The Netherlands: Elsevier Publishers.

Van Lieshout, P.H.H.M. (1997).

Speech motor control and stuttering: Scientific and clinical perspectives (in German).

Jahresfortbildungstagung des deutschen Bundesverbandes für Logopädie E.V., May 8-10, Aachen, Germany.

Van Lieshout, P.H.H.M. (1997).

Spraakmotoriek. Theoretische inzichten en klinische toepassingen [Speech motor control: Theoretical insights and clinical applications].

Jubileum Jaarcongres NVLF, November 1, The Hague, The Netherlands.

Alfonso, P.J., & Van Lieshout, P.H.H.M. (1997).

Spatial and temporal variability in obstruent gestural specification by stutterers and controls: Comparisons across sessions (pp. 151-160).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). Speech production: Motor control, brain research and fluency disorders. Amsterdam, The Netherlands: Elsevier Publishers.

Van Lieshout, P.H.H.M., Hulstijn, W., Alfonso, P.J., & Peters, H.F.M. (1997).

Higher and lower order influences on the stability of the dynamic coupling between articulators (pp. 161-170).

In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Lieshout, P.H.H.M. (Eds.). Speech production: Motor control, brain research and fluency disorders. Amsterdam, The Netherlands: Elsevier Publishers.

- Van Lieshout, P.H.H.M. & Alfonso, P. (1997).
The Gestural Phonology model as a conceptual framework for the treatment of verbal motor behavior in people who stutter.
Journal of Fluency Disorders, 22(2), 86.
- Van Lieshout, P.H.H.M., Hulstijn, W., & Peters, H.F.M. (1996).
From planning to articulation: What differentiates a person who stutters from a person who does not stutter?
Journal of Speech and Hearing Research, 39, 546-564.
- Van Lieshout, P.H.H.M., Hulstijn, W., & Peters, H.F.M. (1996).
Speech production in people who stutter: Testing the motor plan assembly hypothesis.
Journal of Speech and Hearing Research, 39, 76-92.
- Van Lieshout, P.H.H.M., Peters, H.F.M., & Hulstijn, W. (1996).
The Nijmegen speech motor test (NSMT): Background and preliminary findings.
Fifth Annual Conference of the International Clinical Phonetics and Linguistics Association (ICPLA), September 16-18, Munich, September 16-18.
- Van Lieshout, P.H.H.M. (1996).
Methods and techniques in speech motor research.
Stem, Spraak- en Taalpathologie, 5(3), 173-197. (in Dutch)
- Van Lieshout, P.H.H.M., Hulstijn, W., Peters, H.F.M., & Alfonso, P.J. (1995).
Gestures in non-speech and speech tasks.
Annual Convention of the American Speech-Language-Hearing Association. Orlando, FL.
- Van Lieshout, P.H.H.M. (1995).
Motor planning and articulation in fluent speech of stutterers and nonstutterers.
Doctoral dissertation, University of Nijmegen (ISBN 90-9008630-7; NICI Technical Report 95-07).
- Van Lieshout, P.H.H.M., Hulstijn, W., Peters, H.F.M., & Alfonso, P.J.M. (1995).
Coordination in stutterers and nonstutterers (pp. 11-15).
In C.W. Starkweather & H.F.M. Peters (Eds.), Proceedings First World Congress on Fluency Disorders (Volume 1), International Fluency Association, Munich, Germany.
- Van Lieshout, P.H.H.M., & Hulstijn, W. (1995).
Dynamic control in speech motor production.
In O. Güntürkün, R. Guski, C. Walter, & A. Wohlschläger (Eds.), Experimentelle Psychologie (pp. 407). Regensburg, Deutschland: S. Roderer Verlag.
- Van Lieshout, P.H.H.M. (1994).
Coordination in Stutterers and Nonstutterers.
Journal of Fluency Disorders, 19(3), 190. (published abstract mini-seminar)
- Van Lieshout, P.H.H.M., Peters, H.F.M., & Hulstijn, W. (1994).
Articulo-motorisch onderzoek: een overzicht van technieken met de nadruk of Electro-Magnetische Medio-sagittale Articulografie (EMMA).
Stem-, Spraak- en Taalpathologie, 3(4), 241-261.
- Van Lieshout, P.H.H.M., Peters, H.F.M., & Hulstijn, W. (1994).
Articulo-motor research: A review of techniques with a focus on electromagnetic midsagittal articulography (EMMA).
Stem, Spraak en Taalpathologie, 3(4), 241-261. (in Dutch)
- Van Lieshout, P.H.H.M., Alfonso, P.J., Hulstijn, W., & Peters, H.F.M. (1994)
Electromagnetic Articulography (EMA) (pp. 62-76).
In F.J. Maarse, A.E., Akkerman, A.N. Brand, L.J.M. Mulder, & M.J. van der Stelt (Eds.), Computers in Psychology 5: Applications, methods, and instrumentation. Lisse, The Netherlands: Swets & Zeitlinger.
- Van Lieshout, P.H.H.M. (1994).
Coordination in Stutterers and Nonstutterers.
Journal of Fluency Disorders, 19(3), p. 190.
- Van Lieshout, P.H.H.M., Alfonso, P.J., Hulstijn, W., and Peters, H.F.M.

- (1993). *The use of EMA in speech motor research: differences between stutterers and nonstutterers.*
 Accor workshop on electromagnetic articulography in phonetic research, Munich, Germany, 19-21 April.
- Van Lieshout, P.H.H.M., Alfonso, P.J., Hulstijn, W., & Peters, H.F.M.**
Significance of relative-timing towards an interpretation of articulatory sequencing
 (1993). ASHA, 35, p. 142. (extended abstract)
- Van Lieshout, P.H.H.M., Alfonso, P.J., Hulstijn, W., and Peters,H.F.M.**
Electromagnetic articulography (EMA) in stuttering research.
 (1993). In Forschungsberichte des Instituts für Phonetik und Sprachliche Kommunikation der Universität München (FIPKM), 31, p.215-224.
- Van Lieshout, P.H.H.M., Hulstijn, W., Alfonso, P.J., and Peters,H.F.M.**
(1993). Speech motor research using Electro-Magnetic Articulography (EMA). Fifth Workshop Computers in Psychology, Nijmegen, the Netherlands, 6-7 May.
- Van Lieshout, P.H.H.M., Alfonso, P.J, Hulstijn, W., & Peters, H.F.M. (1993).**
Electromagnetic Articulography (EMA) in stuttering research.
 In Forschungsberichte des Instituts für Phonetik und Sprachliche Kommunikation der Universität München (FIPKM), 31, 215-224.
- Van Lieshout, P.H.H.M., P.J. Alfonso, W. Hulstijn, & H.F.M. Peters (1993).**
Significance of Relative Timing Towards an Interpretation of Articulatory Sequencing.
 ASHA, 35, 142.
- van Lieshout, P.H.H.M., Rutjens, C.A.W., & Spauwen, P.H.M.**
The Dynamics of Interlip Coupling in Speakers With a Repaired Unilateral Cleft-Lip History
 Journal of Speech, Language, and Hearing Research, Vol. 45, No. 1, 2002, p. 5-19 abstract
- Van Lieshout, P.H.H.M.**
La utilización de la articulografía mediosagital electromagnética en la investigación sobre movilidad oral [The use of Electro-Magnetic Midsagittal Articulography in oral motor research (4.12.1; PP. 1140-1156)]
 In Eduardo Padrós-Serrat (Ed.), *Bases diagnósticas terapéuticas y posturales del funcionalismo craneofacial. [Diagnostic, therapeutic and postural basis of craniofacial functionalism]*. Madrid, Spain: Ripano Editorial Médica
- Van Lieshout, P.H.H.M., Bose, A., Square, P.A., & Steele, C.M.**
Speech motor control in fluent and dysfluent speech production of an individual with apraxia of speech and Broca's aphasia.
 Clinical Linguistics & Phonetics, 21(3), 159-188.
- Vaz F**
European Portuguese Nasal Vowels: An EMMA Study
 Universidade de Aveiro, Portugal
- Natasha Warner, Allard Jongman, Anne Cutler, Doris Mücke**
The phonological status of schwa insertion in Dutch An EMA study
 Nijmegen, The Netherlands: Vantilt.
- Waugh Bennett, J., van Lieshout, P.H.H.M. & Steele, C.M. (2006, in press).**
Stability of coordination patterns in tongue control in normal aging.
 Abstracts of the 5th Nijmegen Motor Speech Conference, June, 2006, Nijmegen, The Netherlands.
- West, Paula**
Long-distance coarticulatory effects of British English /l/ and /r/: An EMA, EPG and acoustic study
 Models and Data. Kloster Seeon, Bavaria, Germany
- Ch. Wilkening, W. Engelke, Göttingen**
Zur Positionierung von Artikulatoren bei der Bildung ausgewählter Sprachlaute unter differennten dynamischen Bedingungen
 Deutsche Gesellschaft für Phoniatrie und Pädaudiologie Jahrestagung 1992 in Garmisch-Patenkirchen:
- Woda, A., Foster, K.D., Mishellany, A. & Peyron, M.A. (2006)**
Adaptation of healthy mastication to factors pertaining to the individual or to the food.

Physiology and Behaviour, 89, 28-35.

Alan Wrench and William J. Hardcastle

A multichannel articulatory speech database and its application for Automatic Speech Recognition Models and Data. Kloster Seeon, Bavaria, Germany

Andreas Zierdt

Extracting tongues from moving heads

Models and Data. Kloster Seeon, Bavaria, Germany