

CURRICULUM VITAE

Dirk Barend (Dirk-Bart) den Ouden, PhD.

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EDUCATION:

Pre-university education (VWO), June 1989, Augustinus College Groningen.

MA (*cum laude*), English Language & Literature, 31 August 1995, University of Groningen.

MA (*cum laude*), General Linguistics, 31 May 1996, University of Groningen.

PhD, Neurolinguistics, 16 May 2002, University of Groningen.

ACADEMIC POSITIONS:

- 2016 – present Associate Professor, Dept. of Communication Sciences and Disorders, University of South Carolina (USC)
- 2010 – 2016 Assistant Professor, Dept. of Communication Sciences and Disorders, USC
- 2008 – 2010 Research Associate at the Aphasia and Neurolinguistics Research Laboratory, School of Communication, Northwestern University (NU)
- 2008 Adjunct lecturer, School of Communication, NU.
- 2006 – 2007 Post-Doctoral Fellow at the Aphasia and Neurolinguistics Research Laboratory, School of Communication, NU. Project: *Neural correlates of aphasia treatment and recovery: fMRI investigations.*
- 2002 - 2005 Postdoctorate researcher at the Center for Language and Cognition Groningen, Department of Dutch, University of Groningen (RUG). Project: *The role of the verb in Dutch during online spoken sentence processing and spoken sentence production.*
- 1999 - 2000 Lecturer at the Department of English, RUG.
- 1996 - 2001 Researcher in training, on a grant from the Netherlands Organization for Scientific Research (NWO). Project: *Phonological encoding deficiencies in conduction aphasia.*

GRANTS

- March 2016 – Feb. 2021 NIH P50 DC014664
Center for the Study of Aphasia Recovery (C-STAR)
Role: Co-Investigator on Project-001 (032): *Modeling treated recovery from aphasia*
Principal Investigator: J. Fridriksson, PhD
The purpose of C-STAR is to accomplish trans-disciplinary research to improve understanding of brain plasticity that supports aphasia recovery.
- Sept. 2013 – Aug. 2014 SCTR Discovery Grant (SCTR Grant# FY13 1407)
Name Gaming: Development of a computerized speech rehabilitation method for independent use by speakers with aphasia after stroke
Role: Principal Investigator

This study developed and tested a computer program that allows speakers with aphasia and fluency disorders to drill speech output autonomously, relying on automated speech recognition and a gaming environment.

- May 2013 – Sept. 2014 ASPIRE I, University of South Carolina
(Adv. Support Program for Innovative Research Excellence-I)
Cortical stimulation of verb-argument-structure processing
Role: Principal Investigator
This study aimed to validate the optimal target site for HD-tDCS to improve verb argument structure processing, hypothesized to result in improved sentence processing and production in aphasic speakers.
- Sept. 2012 – Feb. 2014 NSF BCS-1225753
Theories of Sentence Processing and the Neuroscience of Language: Special Session at the 2013 CUNY Conference on Human Sentence Processing
Role: Co-Investigator
Principal Investigator: F. Ferreira, PhD
- May 2012 – August 2013 ASPIRE-III, University of South Carolina
(Adv. Support Program for Innovative Research Excellence-III)
MRI Simulator Shared Laboratory
Role: Co-PI
Principal Investigators: C. Rorden, PhD & J. Richards, PhD
Intramural funds for the acquisition of an MRI-simulator for participant and research-staff training at the McCausland Center for Brain Imaging, USC.
- April 2009 – May 2011 NIH R21 DC010036 1
Neurolinguistic intervention and cortical stimulation in agrammatic aphasia
Role: Co-Investigator
Principal Investigators: R.M. Levy, MD, PhD & C.K. Thompson, PhD
The goal of this project was to investigate how linguistically grounded intensive language treatment for individuals with aphasia after stroke can be enhanced by cortical stimulation, performed with implanted electrodes.
- Sept. 2008 – Sept. 2012 Netherlands Organization for Scientific Research (NWO)
'Kindersprache, Aphasie und allgemeine Lautgesetze' revisited
Role: Advisor
Principal Investigators: Dr. M. van Oostendorp & Dr. C. Levelt

AWARDS

- Canadian Studies Graduate Student Research Award*, granted by Department of Foreign Affairs and International Trade of Canada and the International Council for Canadian Studies (ICCS), to work at the *Centre de recherche de l'institut universitaire de gériatrie de Montréal*, from March to June 1998.
- Best Student Paper*, Conference prize, 7th annual conference of the International Clinical Phonetics and Linguistics Association (ICPLA), Montréal, Canada, 17-19 May 1999.

Dissertation Prize 2002, Best linguistics dissertation in the Netherlands, awarded by the AVT (*Linguistic Society of the Netherlands*) and ANÉLA (*Association néerlandaise de linguistique appliquée*).

Taalgala publieksprijs 2003, Public award for best presentation at the 2003 Language Gala of the AVT (*Linguistic Society of the Netherlands*) and ANÉLA (*Association néerlandaise de linguistique appliquée*).

National Stuttering Association Research Fund Award, 2013, with Emily Garnett, MS, CCC-SLP. Project: “Effects of Cortical Stimulation on Self-Monitoring Performance in People Who Stutter”

TEACHING

Doctoral independent studies: *The Grounding of Linguistic Markedness* (COMD 800, 2014, USC); *Phonology and Phonetics of Speech Production* (LING 806, 2016, USC)

Summer School, *Introduction to Contemporary Neurolinguistics*. National Research University Higher School of Economics (HSE), Moscow, Russia (Sept. 1-5, 2014; June 22-24, 2017) – Seminars: “Neurolinguistic findings with fMRI”, “tDCS/TMS: Basics of the method”, “Neurolinguistic findings with tDCS/TMS”, “tDCS/TMS lab”, “Brain stimulation in speech production research”, “Brain stimulation in aphasia recovery”

COMD-805: *Advanced Study of Language Disorders in Adults* (USC)

COMD-501: *Anatomy and Physiology of the Speech and Hearing Mechanism* (USC)

COMD-790: *Introduction to Research Methods in Speech and Language Pathology* (USC)

COMD-822: *Normal Basis of Speech Production* (USC)

COMD-823: *Normal Basis of Language* (USC)

COMD-710: *Linguistic Structure in Aphasia* (USC)

LING-710: *Introduction to Phonology* (USC)

CSD-495-1: *Disorders of Language Representation and Processing* (NU)

Phonetics & Phonology, undergraduate and graduate levels (RUG)

History of Aphasiology (RUG)

Translation Dutch – English (RUG)

English Proficiency (RUG)

Dutch Proficiency for English speakers (University College London)

SUPERVISED DOCTORAL THESES

Lee, E.H., *Spanish-speaking learners’ acquisition of english VPE and WH-extraction out of VPE*, Linguistics, U. of South Carolina, June 2012 (Committee member)

Wang, J., *Using Multivariate Pattern Analysis to Identify Conceptual Knowledge Representation in the Brain*, Experimental Psychology, U. of South Carolina, July 2013. (Committee member)

Shepherd, J.J., *Benefits of Video Games in Multidisciplinary Scientific Research*, Computer Science, Engineering & Computing, U. of South Carolina, November 2014. (Committee member)

Malyutina, S., *Neural correlates of verb argument structure processing*, Communication Sciences and Disorders, U. of South Carolina, June 2015. (Director)

Garnett, E.O., *Speech production in fluency disorders*, Communication Sciences and Disorders, U. of South Carolina, July 2015. (Director)

- Basilakos, A.A., *Towards Improving the Evaluation of Speech Production Deficits in Chronic Stroke*, Communication Sciences and Disorders, U. of South Carolina, June 2016 (Committee member)
- Cheng, W., *Implicit Causality And Consequentiality In Native And Non-Native Coreference Processing*, Linguistics Program, University of South Carolina, July 2016 (Committee member)
- Baer, J., *The Effect of Exercise Intensity on Brain-Derived Neurotrophic Factor and Motor Learning*, Exercise Science, University of South Carolina, Projected 2018 (Committee member)
- Kolar, M., *Enhancing Dancing: Examining the Potency of a Combined Action Observation & Brain Stimulation Intervention*. Exercise Science, University of South Carolina, Projected 2018 (Committee member)

SUPERVISED HONORS/MASTER'S THESES

- Veldkamp, M., *Fonemische parafasieën bij conductie-afasie: De positie van een woord in de fonologische hiërarchie als beïnvloedende factor* (Phonemic paraphasias in conduction aphasia: The position of the word in the phonological phrase as a factor of influence). Dept. of General Linguistics, U. of Groningen, July 1997 (2nd Reader)
- Neelen, M., *Fonemische parafasieën bij conductie-afasie: Een gevalsbeschrijving in termen van syllabecomplexiteit* (Phonemic paraphasias in conduction aphasia: A case description in terms of syllable complexity). Dept. of Dutch, U. of Groningen, August 1997. (2nd Reader)
- Jalvingh, F., *De ongelijke tred van de sonoriteitshiërarchie* (Unequal steps in the sonority hierarchy). Dept. of Dutch, U. of Groningen, August 1998. (2nd Reader)
- De Kok, M., *Fonologische fouten in afatische taalproductie: Een two case study* (Phonological errors in aphasic speech production: A two-case study). Dept. of Dutch, U. of Groningen, August 1998. (2nd Reader)
- Mitkish, M., *Effects of syntactic cues on eye movements during sentence comprehension in young adults*. Honors College, U. of Pittsburgh, April 2015. (Committee member)
- Sharpe, V., *The Role of Action-Relatedness as a Principle of Neural Organization*. Honors College, U. of South Carolina, April 2015. (Director)
- Sangtian, S., *Neural and Behavioral Correlates of Planning During Vocal Motor Control*. Dept. of Communication Sciences and Disorders, MSP program, U. of South Carolina, May 2016. (Committee member)
- Bradford, S.B., *Neuroanatomical Correlates of Speech and Melody Repetition in Chronic Stroke*. Dept. of Communication Sciences and Disorders, MSP program, U. of South Carolina, Projected May 2018. (Committee member)

EDITORIAL WORK

- 1992 - 1993 Editor of *FILE: A Literary Journal*, University of Groningen.
- 1997 - 2005 Contributor to *Afasiologie*, magazine for Dutch speech therapists.
- 2003 - 2005 Editor of *TABU, Bulletin voor Taalwetenschap*, linguistics journal.
- 2004 - 2005 Editor/contributor *BCN Nieuwsbrief*, newsletter of the School of Behavioural and Cognitive Neurosciences, University of Groningen
- 2015 - 2016 Member of editorial board for *Journal of Speech Pathology and Therapy*
- 2002 – present Reviewer for the following journals:

American Journal of Speech-Language Pathology; Aphasiology; Brain; Brain and Language; Brain Connectivity; Brain Topography; Canadian Journal of Linguistics/Revue canadienne de linguistique; Clinical Linguistics & Phonetics; Cerebral Cortex; Cortex; Disability and Health Journal; Human Brain Mapping; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Neurolinguistics; Journal of Neuroscience; Journal of Psycholinguistic Research; Journal of Speech, Language, and Hearing Research; Language and Cognitive Processes; Language, Cognition and Neuroscience; Neurocase; NeuroImage; Neuromodulation: Technology at the Neural Interface; Neuropsychologia; Phonology; PLOS One; Poznan Studies in Contemporary Linguistics; Psychological Review; Restorative Neurology and Neuroscience.

2010 – present

Grant reviewer:

Alexander von Humboldt Foundation; National Science Foundation; Health Research Council of New Zealand; South Carolina Clinical and Translational Research Institute; The Dunhill Medical Trust (UK); City University of New York internal Collaborative Grants; Stroke Association (UK); Research Grants Council of Hong Kong (China).

PROFESSIONAL MEMBERSHIPS

Academy of Aphasia

Linguistic Society of America

Organization for Human Brain Mapping

American Speech and Hearing Association

Society for the Neurobiology of Language

Associate Faculty of the USC Walker Institute of International and Area Studies

FURTHER ACTIVITIES

ADMINISTRATIVE

- 2004 - 2005 Secretary of the Board of the *University Theatre Groningen*
- 2004 - 2005 Vice Chair (2004) and Chair (2005) of the *Partij van de Arbeid* (Labor Party) in the province of Groningen, The Netherlands
- 2013 Co-organizer *CUNY conference on sentence processing*, University of South Carolina, March 2013.
- 2012 - 2015 Member of Faculty Senate, University of South Carolina
- 2015 Co-organizer Workshop *Neural Plasticity and Learning*, Institute for Mind and Brain, University of South Carolina, October 23rd.
- 2015 - 2018 Member of USC Graduate Council, Vice Chair (2016), Chair (2017)
- 2015 - 2016 Member of USC Graduate School Fellowships and Scholarships Committee
- 2016 - 2017 Chair of the USC Graduate School Academic Policies and Practices Committee
- 2016 Program Committee member, *Clinical Aphasiology Conference* 2016.
- 2018 Graduate Director, Dept. of Communication Sciences and Disorders, USC
- 2018 Organizer online C-STAR workshop on *Lesion-Symptom-Mapping Methods*, University of South Carolina, January 25th.

MEDIA

2006 - 2007 Several appearances as panelist on *River West Flowing*, CAN-TV, Chicago (speaking about aphasia and neurolinguistics).

MUSIC/DRAMA

1986 - present Singer/songwriter with several popbands, a.o. *FIASCO* (CD: *Sporen*, 1996), *Nanninga* (CD: *Nanninga*, 2000).

1989 – 1999 Actor with several theatre groups at the University of Groningen and at University College London.

2000 Director of Theatre Group *Tante Evert*.

SPORTS

2007 – 2012 Youth recreational soccer coach (ages 6-10), *American Youth Soccer Organization (AYSO) Evanston, IL; South Carolina United FC*.

2015 – present Certified instructor for Basic Keelboat Sailing (ASA 101), *American Sailing Association*.

PUBLICATIONS:

* = in Dutch

Student authors under my supervision are underlined.

PEER-REVIEWED JOURNAL PAPERS

Johari, K., **Den Ouden, D.B.**, & Behroozmand, R. (in press) Effects of aging on temporal predictive mechanisms of speech and hand motor reaction time. *Aging Clinical and Experimental Research*. <https://doi.org/10.1007/s40520-018-0902-4>

Fridriksson, J., **Den Ouden, D.B.**, Hillis, A.E., Hickok, G., Rorden, C., Basilakos, A., Yourganov, G & Bonilha, L. (in press) The anatomy of aphasia revisited. *Brain*.

Feenaughty, L., Basilakos, A., Bonilha, L., **Den Ouden, D.B.**, Rorden, C., Stark, B., Fridriksson, J. (2017) Non-fluent speech following stroke is caused by impaired efference copy. *Cognitive Neuropsychology*, 34(6), 333-346.

Den Ouden, D.B., Galkina, E., Basilakos, A. & Fridriksson, J. (in press) Vowel formant dispersion reflects severity of Apraxia of Speech. *Aphasiology*. <https://doi.org/10.1080/02687038.2017.1385050>

Basilakos, A., Yourganov, G., **Den Ouden, D.B.**, Fogerty, D., Rorden, C., Feenaughty, L. & Fridriksson, J. (in press) A multivariate analytic approach to the differential diagnosis of apraxia of speech. *Journal of Speech, Language, and Hearing Research*, 60, 3378-3392.

Bonilha, L., Hillis, A.E., Hickok, G.S., **Den Ouden, D.B.**, Rorden, C. & Fridriksson, J. (2017) Temporal lobe networks supporting the comprehension of spoken words. *Brain*, 140(9), 2370–2380.

Malyutina, S. & **Den Ouden, D.B.** (2017) Task-dependent neural and behavioral effects of verb argument structure features. *Brain and Language*, 168, 57-72.

Sharpe, V., Fogerty, D. & **Den Ouden, D.B.** (2017). The role of fundamental frequency and temporal envelope in processing sentences with temporary syntactic ambiguities. *Language and Speech*, 60(3), 399–426.

Fridriksson, J., Yourganov, G., Bonilha, L., Basilakos, A.A., **Den Ouden, D.B.** & Rorden, C. (2016). Revealing the dual streams of speech processing. *Proceedings of the National Academy of Sciences*, 113, 52, 15108–15113.

- Malyutina, S., Richardson, J.D. & **Den Ouden, D.B.** (2016). Verb argument structure in narrative speech: Mining AphasiaBank. *Seminars in Speech & Language*, 37(1), 34-47.
- Den Ouden, D.B.**, Dickey, M. W., Anderson, C., & Christianson, K. (2016). Neural correlates of early-closure garden-path processing: Effects of prosody and plausibility. *The Quarterly Journal of Experimental Psychology*, 69(5), 926-949
- Malyutina, S., & **Den Ouden, D.B.** (2016). What is it that lingers? Garden-path (mis)interpretations in younger and older adults. *The Quarterly Journal of Experimental Psychology*, 69(5), 880-906.
- Malyutina, S. & **Den Ouden, D.B.** (2015). High-Definition tDCS of noun and verb retrieval in naming and lexical decision. *NeuroRegulation*, 2(3), 111–125.
- Garnett, E.O., Malyutina, S., Datta, A. & **Den Ouden, D.B.** (2015). On the use of the terms anodal and cathodal in High Definition transcranial Direct Current Stimulation: A Technical Note. *Neuromodulation: Technology at the Neural Interface*, 18(8), 705-713.
- Garnett, E.O. & **Den Ouden, D.B.** (2015), Validating a sham condition for use in High Definition Transcranial Direct Current Stimulation. *Brain Stimulation*, 8, 3, 551–554.
- ***Den Ouden, D.B.** (2015), High Definition transcranial Direct Current Stimulation als mogelijke hulp bij afasie-herstel. *Stem-, Spraak- en Taalpathologie*, 20, 27-43. (transl. *HDtDCS as a potential aid to recovery from aphasia*)
- Grindrod, C.M., Garnett, E.O., Malyutina, S., & **Den Ouden, D.B.** (2014). Effects of representational distance between meanings on the neural correlates of semantic ambiguity. *Brain and Language*, 139, 23-35.
- Den Ouden, D.B.**, Montgomery, A. & Adams, C. (2014) Simulating the neural correlates of stuttering. *Neurocase*, 20, 4, 434-445.
- Thompson, C. K., Riley, E. A., **Den Ouden, D. B.**, Meltzer-Asscher, A., & Lukic, S. (2013) Training Verb Argument Structure production in agrammatic aphasia: Behavioral and neural recovery patterns. *Cortex*, 49, 9, 2358–2376.
- Yurchenko, A., **den Ouden, D.B.**, Hoeksema, J., Dragoy, O., Hoeks, J.C.J. & Stowe, L.A. (2013) Processing polarity: ERP evidence for differences between positive and negative polarity. *Neuropsychologia*, 51(1), 132-141.
- Meltzer-Asscher, A., Schuchard, J., **den Ouden, D.-B.**, & Thompson, C. K. (2012). The neural substrates of complex argument structure representations: Processing “alternating transitivity” verbs. *Language and cognitive processes*, 28(8), 1154-1168.
- Magnusdottir, S., Fillmore, P., **den Ouden, D.B.**, Hjaltason, H., Rorden, C., Kjartansson, O., Bonilha, L. & Fridriksson, J. (2012), Damage to left anterior temporal cortex predicts impairment of complex syntactic processing: A lesion-symptom mapping study. *Human Brain Mapping*, 34 (10), 2715–2723
- Den Ouden, D.B.**, Saur, D., Mader, W., Schelter, B., Lukic, S., Wali, E., Timmer, J. & Thompson, C.K. (2012) Network modulation during complex syntactic processing. *Neuroimage*, 59(1), 815-823.
- Thompson, C.K., **Den Ouden, D.B.**, Bonakdarpour, B., Garibaldi, K & Parrish, T.B. (2010) Neural plasticity and treatment-induced recovery of sentence processing in agrammatism. *Neuropsychologia*, 48, 11, 3211-3227.
- Den Ouden, D.B.** & Bastiaanse, R. (2009) The electrophysiological manifestation of Dutch Verb Second violations. *Journal of Psycholinguistic Research*, 38, 3, 201-219.
- Den Ouden, D.B.**, Fix, S., Parrish, T.B. & Thompson, C.K. (2009) Argument structure effects in action verb naming in static and dynamic conditions. *Journal of Neurolinguistics*, 22, 2, 196-215.

- Thompson, C.K. & **Den Ouden, D.B.** (2008) Neuroimaging and Recovery of Language in Aphasia. *Current Neurology and Neuroscience Reports*, 8, 6, 475-83.
- Den Ouden, D.B.**, Hoogduin, H., Stowe, L.A. & Bastiaanse, R. (2008) Neural correlates of Dutch Verb Second in speech production. *Brain & Language*, 104, 122-131.
- *Hoeksema, J. & **Den Ouden, D.B.** (2005) Positief- en negatief-polaire bepalingen van graad: een empirisch onderzoek. *TABU*, 34, 3/4, 129-144. (transl. *Positive and negative polarity items: an empirical investigation*)
- ***Den Ouden, D.B.** (2004) Verbale apraxie: de dubbele route in fonologische productie. *Logopedie & Foniatrie*, 76, 1, 430-436. (transl. *Apraxia of Speech: the dual route in phonological production*)
- ***Den Ouden, D.B.** & Bastiaanse, R. (2000) Fonologische codering en afasie. *Stem-, Spraak- en Taalpathologie*, 9, 3, 175-91. (transl. *Phonological encoding and aphasia*)
- ***Den Ouden, D.B.** (1997) De fonologische frase in een model voor spraakproductie. *TABU*, 27, 1, 28-47. (transl. *The phonological phrase in a model of speech production*)

PEER-REVIEWED BOOK CHAPTERS

- Den Ouden, D.B.** (2011) Phonological Disorders. In: B. Botma, N.C. Kula & K. Nasukawa (Eds.) *Continuum Companion to Phonology* (Continuum), pp. 320-340.
- Den Ouden, D.B.** & Bastiaanse, R. (2005) Phonological encoding and conduction aphasia. In: R.J. Hartsuiker, R. Bastiaanse, A. Postma & N.K. Wijnen (Eds.) *Phonological Encoding and Monitoring in Normal and Pathological Speech* (Psychology Press), pp. 86-101.
- Den Ouden, D.B.** (2004) Multi-level OT: An argument from speech pathology. In: L. Cornips & J. Doetjes (Eds.) *Linguistics in the Netherlands 2004*, 21 (John Benjamins), pp. 146-157.
- Den Ouden, D.B.** & Bastiaanse, R. (2003) Syllable structure at different levels in the speech production process: Evidence from Aphasia. In: J. van de Weijer, V. J. van Heuven & H. van der Hulst (Eds.) *The Phonological Spectrum. Vol. II: Suprasegmental Structure*. Current Issues in Linguistic Theory 234 (John Benjamins), pp. 81-107.
- Den Ouden, D.B.** (2002) Segmental vs. syllable markedness: Deletion errors in the paraphasias of fluent and non-fluent aphasics. In: E. Fava (Ed.) *Clinical Linguistics: Theory and Applications in Speech Pathology and Therapy*. Current Issues in Linguistic Theory 227 (John Benjamins), pp. 23-45.
- Gilbers, D.G. & **Den Ouden, D.B.** (1994) Compensatory lengthening and cluster reduction in first language acquisition: A comparison of different analyses. In: De Boer, A., De Hoop, H. & De Swart, H. (Eds.) *Language and Cognition 4, Yearbook 1994 of the research group for Theoretical and Experimental Linguistics of the University of Groningen*, pp. 69-82.

MONOGRAPHS

- Den Ouden, D.B.** (2002) *Phonology in Aphasia: Syllables and segments in level-specific deficits*. Doctoral Dissertation, GRODIL 39, University of Groningen (<http://irs.ub.rug.nl/ppn/238793923>).
- Den Ouden, D.B.** (1995) *Syllable Structure: A Comparison of Different Analyses. Part I: Child Cluster Reduction and Compensatory Lengthening; Part II: Syllable Structure in Sranan*. MA thesis, University of Groningen. (ERIC Document Reproduction Service No. ED400693).

ABSTRACTS & PROCEEDINGS

- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C. (2018) The Effect of Exercise Intensity on the Kinematics of Reach

- Performance and Brain-Derived Neurotrophic Factor. *Medicine and Science in Sports and Exercise*, 50(5) Supplement.
- Webster, K. T., Ficek, B., Pietrowski, J., Galkina, E. G., Basilakos, A., **Den Ouden, D.**, & Tsapkini, K. (2017) Determining efficacy of a treatment strategy in patients with non-fluent variant of primary progressive aphasia and apraxia of speech. [Abstract]. *Frontiers in Human Neuroscience*. doi: 10.3389/conf.fnhum.2017.223.00120
- Den Ouden, D.B.**, Galkina, E., Basilakos, A. & Fridriksson, J. (2017) Vowel formant dispersion reflects severity of Apraxia of Speech after stroke in adults, *Stem-, Spraak- en Taalpathologie*, 22, Supplement, p. 30.
- Den Ouden, D.B.**, Johari, K., Bridwell, K., Hayden, C. & Behroozmand, R. (2017) Modulation of the Speech Motor Control Network through High-Definition Transcranial Direct Current Stimulation *Stem-, Spraak- en Taalpathologie*, 22, Supplement, p. 48.
- Garnett, E.O., & **Den Ouden, D.B.** (2015) Effects of cortical stimulation on self-monitoring performance in people who stutter. *Procedia - Social and Behavioral Sciences*, 193, 340-341. DOI:10.1016/j.sbspro.2015.03.313.
- Den Ouden, D.B.**, Malyutina, S. & Richardson, J.D. (2015). Verb argument structure in narrative speech: Mining the AphasiaBank. *Front. Psychol. Conference Abstract: Academy of Aphasia 53rd Annual Meeting*. doi: 10.3389/conf.fpsyg.2015.65.00085
- Sharpe, V., Fogerty, D., & **Den Ouden, D.B.** (2014). The role of fundamental frequency and temporal envelope in processing sentences with temporary syntactic ambiguities. *Proceedings of Meetings on Acoustics*, 21(1).
- Lukic, S., Bonakdarpour, B., **Den Ouden, D. B.**, Price, C., & Thompson, C. (2013). Neural Mechanisms of Verb and Sentence Production: A Lesion-deficit Study. [51st Academy of Aphasia Proceedings]. *Procedia - Social and Behavioral Sciences*, 94(0), 34-35.
- Den Ouden, D.B.**, Adams, C. & Montgomery, A. (2011) Simulating the neural correlates of stuttering. *Stem-, Spraak- en Taalpathologie*, 17, Supplement, p. 56.
- Yurchenko, A.N., Hoeksema, J. & **Den Ouden, D. B.** (2010) Processing negative and positive polarity items. *Proceedings of the Fourth International Conference on Cognitive Science*. Tomsk, Russia: University of Tomsk, pp. 51-53.
- Den Ouden, D.B.** & Thompson, C.K. (2009) Activation shifts after treatment-induced recovery of sentence processing and production in agrammatism. *NeuroImage*, 47, Suppl. 1, p. S143.
- Den Ouden, D.B.**, Baria, A., Lee, J. & Thompson, C.K. (2009) From hand to mouth: Verb embodiment in action naming. *NeuroImage*, 47, Suppl. 1, p. S96.
- Den Ouden, D.B.**, Fix, S., Riley, E., Rulf, K., Shook, A., Parrish, T. & Thompson, C.K. (2008) Verb argument structure in movies and pictures: An fMRI study. *Neuroimage*, 36, Suppl. 1, p. 141.
- Den Ouden, D.B.** & Thompson, C.K. (2006) Phonological markedness affects the production of verb inflections. *Brain & Language*, 99, 168-9.
- De Goede, D., Wester, F., **Den Ouden, D.B.**, Bastiaanse, R., Shapiro, L.P., & Swinney, D.A. (2005) The Time Course of Verb Processing in Dutch Sentences. In: K. Forbus, D. Gentner, & T. Regier (Eds.), *Proceedings of the twenty-sixth annual conference of the Cognitive Science Society*, Chicago, Illinois, August 4-7 2005, pp. 279-284.
- Den Ouden, D.B.**, Bastiaanse, R, Hoogduin, J.M., Maguire, R.P. & Stowe, L.A.. (2004) Neural correlates of verb second in Dutch: An fMRI study. In: *Brain & Language*, 91, 17-18.
- Den Ouden, D.B.** & Bastiaanse, R. (1999) Three different patterns of phonological disturbance in aphasia. *Brain & Language*, 69, 3, 349-51.

Den Ouden, D.B. & Bastiaanse, R. (1998) Singletons and clusters in onsets and codas: The performance of phonemically and phonetically impaired patients on a repetition task. *Brain & Language*, 65, 1, 222-4.

REVIEWS, REPORTS & NON-REVIEWED PUBLICATIONS

- Den Ouden, D.B.** (2004) Book Review: A. Martin & A. Caramazza (eds.), The Organisation of Conceptual Knowledge in the Brain: Neuropsychological and Neuroimaging perspectives. *Aphasiology*, 18 (12), 1227-1232.
- Ruigendijk, E. & **Den Ouden, D.B.** (1999) Bookreview: Handbook of Neurolinguistics. In: *Journal of Clinical Linguistics and Phonetics*, 13 (5), 412-416.
- Den Ouden, D.B.** (2001) Hermans, Ben & Van Oostendorp, Marc (eds.): The Derivational Residue in Phonological Optimality Theory [Linguistics Today] in *Studies of Language* 25, 3.
- ***Den Ouden, D.B.** (2000) Fonologische productiestoornissen in afasie. In: *Afasiologie*, 22, 5, 125-7. (transl. *Phonological production deficits in aphasia*)
- ***Den Ouden, D.B.** (1999) Regelmaat in afasie. *Link*, 11, 2, 24-29. (transl. *Regularity in aphasia*)
- ***Den Ouden, D.B.** (1996) Fifth Annual Conference of the International Clinical Phonetics and Linguistics Association, München, 16 t/m 18 september 1996. In: *Stem-, Spraak- en Taalpathologie*, 5 (4), 271-3.

PRESENTATIONS:

2018

Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "The Effect of Exercise Intensity on the Kinematics of Reach Performance and Brain-Derived Neurotrophic Factor" (poster) *American College of Sports Medicine (ACSM)*, Minneapolis, MN, May 29-June 2.

2017

- Bradford, S.B., Hickok, G., Basilakos, A., Phillip, L., **Den Ouden, D.B.** & Fridriksson, J. "Neuroanatomical Correlates of Speech and Melody Repetition in Chronic Stroke" (poster) *ASHA Convention 2017*, Los Angeles, CA., November 9-11.
- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "Exercise Intensity Affects the Kinematic Approach Used to Improve Performance of a 3-Dimensional Target Task" (poster) *SEACSM*, Chattanooga, TN, February 15 – 17.
- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "The Effect of Energy-Matched Exercise Intensity on Brain-Derived Neurotrophic Factor and Motor Learning" (poster) *Neuroscience 2017* (47th Annual meeting of the Society for Neuroscience), Washington, D.C., November 11-15.
- Webster, K., Ficek, B., Pietrowski, J., Galkina, E., Basilakos, A., **Den Ouden, D.B.** & Tsapkini, K., "Determining efficacy of a treatment strategy in patients with non-fluent variant of primary progressive aphasia and apraxia of speech" (poster) *55th Annual Meeting of the Academy of Aphasia*, Baltimore, MD., November 5-7.
- Gleichgerricht, E., Delgaizo, J., Fridriksson, J., **Den Ouden, D.B.**, Basilakos, A., Rorden, C. & Bonilha, L., "Lesion mapping of syntactic and lexical features derived from Natural Language Processing of narrative speech elicited by patients with chronic post-stroke

aphasia. (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.

Den Ouden, D.B., Basilakos, A., Bonilha, L., Gleichgerrcht, E., Malyutina, S., Rorden, C. & Fridriksson, J., "Agrammatic performance in aphasia: A ventral-stream problem?" (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.

Fahey, D. & **Den Ouden, D.B.**, "Asymmetric Binariness as a Cognitive Universal: The Rhythm of Syntactic Structure" (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.

D.B. den Ouden, E. Galkina, A. Basilakos & J. Fridriksson, "Vowel formant dispersion reflects severity of Apraxia of Speech after stroke in adults", *International Motor Speech Conference VII*, Groningen, NL, July 5-8.

D.B. den Ouden, K. Johari, K. Bridwell, C. Hayden & R. Behroozmand, "Modulation of the Speech Motor Control Network through High-Definition Transcranial Direct Current Stimulation" (poster), *International Motor Speech Conference VII*, Groningen, NL, July 5-8.

D.B. den Ouden, "Neural predictors of agrammatic performance in aphasia", (invited) *C-STAR Lecture Series*, University of South Carolina, May 11th, 2017.

2016

D.B. den Ouden, "Computerized training of single-word production in speakers with aphasia or apraxia of speech", *Tech Tuesday Talks*, ASPH, USC, September 13th.

D.B. den Ouden, E. O. Garnett, J. Shepherd & J. Tang, "The Name Game: Computerized Speech Production Training" (poster), *USC Arnold School of Public Health 40th Anniversary*, Columbia, SC, March 18.

A. Basilakos, C. Rorden, D. Fogerty, **D.B. den Ouden**, G. Yourganov, L. Bonilha & J. Fridriksson, "Using Acoustic Measures to Refine the Differential Diagnosis of Apraxia of Speech: A Behavioral and Multimodality Neuroimaging Study" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2016*, London (UK), August 17-20.

D.B. den Ouden, E. Galkina, A. Basilakos & J. Fridriksson "Vowel formant dispersion reflects severity of Apraxia of Speech" (poster), *54th Annual Meeting of the Academy of Aphasia*, Llandudno, Wales, U.K., October 16-17.

L. Martone, A. Burns, K. Harper, K. Keplinger, **D.B. den Ouden** & L. Wade-Woolley, "Reading Through the Ears: How McGurk Effects Reflect Reading History" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

K. Kannaley, **D.B. den Ouden** & J. Fridriksson, "Rehabilitating Agrammatism in Nonfluent Aphasia: Could Speech Entrainment Work?" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

K. Pensa & **D.B. den Ouden**, "Improving Single-Word Production Using a Game-Based Computerized Approach: Single Subject Training Studies" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

2015

E.O. Garnett & **D.B. den Ouden**, "Semantic Neighborhood Effects in Stuttering" (poster), *ASHA Convention 2015*, Denver, CO, November 12-14.

K. Bridwell, C. Hayden, R. Behroozmand & **D.B. den Ouden**, "Modulating vocal pitch motor control through neurostimulation" (poster) *2015 Conference on Neural Plasticity and Learning*, Institute for Mind and Brain, University of South Carolina, October 23.

- D.B. den Ouden**, S. Malyutina & J.D. Richardson, “Verb argument structure in narrative speech: Mining the AphasiaBank” (platform presentation), *53rd Annual Meeting of the Academy of Aphasia*, Tucson, AZ, Oct. 18-20.
- S. Malyutina & **D.B. den Ouden**, “Neural correlates of verb argument structure characteristics” (poster), *22nd Annual Meeting of the Cognitive Neuroscience Society (CNS 2015)*, San Francisco, CA, March 28-31.
- S. Malyutina & **D.B. den Ouden**, “Single-word naming modulated with high-definition transcranial direct current brain stimulation” (poster), *NYC Neuromodulation Conference 2015*, New York, NY, January 9-11.
- D.B. den Ouden**, E.O. Garnett, J. Shepherd and J. Tang, “The Name Game: Computerized speech training for independent use by speakers with aphasia” (platform presentation), *Clinical Aphasiology Conference 2015*, Monterey, CA, May 26-31.
- E.O. Garnett & **D.B. den Ouden**, “Disfluencies in Spontaneous vs. Narrative Speech in Stuttering and Cluttering” (poster), *2015 World Congress on Fluency Disorders*. Lisbon, Portugal, July 6-8.
- 2014
- D.B. den Ouden**, S. Malyutina, C. Rorden & J. Fridriksson, “Cortical and structural connectivity damage correlated with impaired syntactic processing”, *Clinical Aphasiology Conference 2014* (platform presentation), St. Simon’s Island, GA, May 27–June 1.
- C.M. Grindrod, E.O. Garnett, S. Malyutina & **D.B. den Ouden**, “Effects of Distance between Meanings on the Neural Correlates of Semantic Ambiguity” (poster), *21st Annual Meeting of the Cognitive Neuroscience Society (CNS 2014)*, Boston, April 5-8.
- V. Sharpe, **D.B. den Ouden** & D. Fogerty, “The role of acoustics in processing syntactically ambiguous sentences” (poster), *167th Meeting of the Acoustical Society of America*, Providence, Rhode Island, May 9th
- E.O. Garnett & **D.B. den Ouden**, “Effects of cortical stimulation on self-monitoring performance in people who stutter” (poster), *10th Oxford Dysfluency Conference*, Oxford, UK, July 17-20.
- D.B. den Ouden**, E.O. Garnett, S. Malyutina, V. Sharpe & S. Wohltjen, “Putting the load on different cognitive domains: Music, Language and Control” (poster), *Annual Meeting of the Society for the Neurobiology of Language 2014*, Amsterdam, The Netherlands, August 27-29.
- S. Malyutina & **D.B. den Ouden**, “High-definition transcranial direct current stimulation of single word processing” (poster), *Annual Meeting of the Society for the Neurobiology of Language 2014*, Amsterdam, The Netherlands, August 27-29.
- S. Malyutina & **D.B. den Ouden**, “Modulating verb processing with HD-tDCS”, *Hard Data Café*, Psychology Dep., University of South Carolina, October 17th.
- S. Malyutina, J.D. Richardson & **D.B. den Ouden**, “Verb argument structure complexity in discourse in aphasia” (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- D.B. den Ouden**, E.O. Garnett, J. Shepherd & J. Tang, “Name Gaming: A Computerized Speech Rehabilitation Method for Independent Use by Speakers With Aphasia” (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- E.O. Garnett & **D.B. den Ouden**, “Effects of Cortical Stimulation on Phoneme Monitoring in Stuttering” (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- S. Malyutina & **D.B. den Ouden**, “High-definition Transcranial Direct Current Brain Stimulation Of Word Processing” (poster), *Annual Meeting of the North American Neuromodulation Society*, Las Vegas, NV, December 11-14.

2013

- D.B. den Ouden**, Neural correlates of plausibility effects on temporary syntactic ambiguities” (invited) Center for Cognitive Science colloquium, Rutgers University, December 10. https://ruccs1.rutgers.edu/talks/20131210_talk.html
- S. Lukic, B. Bonakdarpour B, **D.B. den Ouden**, C. Price, C. Thompson, “Neural mechanisms of verb and sentence production: a lesion-deficit study”, *51st Annual Meeting of the Academy of Aphasia*, Lucerne, Switzerland, October 20-22.
- D.B. den Ouden**, E. Garnett, A. Raizen & V. Sharpe, “Neural representations of segments and syllables as phonological domains”, *Annual Meeting of the Society for the Neurobiology of Language 2013* (platform presentation), San Diego, CA, November 6-8.
- H. McDade, K. Crass, **D.B den Ouden** & A. Montgomery, “The Effect of Sonority Sequencing in Syllable Onsets” (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- S. Malyutina & **D.B. den Ouden**, “Garden-Path Sentence Processing in Healthy Speakers & Individuals With Brain Damage: Plausibility Effects” (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- E. Garnett & **D.B. den Ouden**, “Effects of Cortical Stimulation on Self-Monitoring Performance in People Who Stutter” (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- E. Garnett & **D.B. den Ouden**, “Covert Speech Monitoring in Stuttering & Cluttering” (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- V. Sharpe, **D.B. den Ouden** & D. Fogerty, “The Role of Acoustics in Garden-Path Processing” (poster), *Discovery Day*, University of South Carolina, April 26 (Award: 1st place in topic section).
- C.M. Grindrod, A.L. Raizen, E.O. Garnett, S. Malyutina & **D.B. den Ouden**, “Neural correlates of semantic ambiguity modulated by representational distance between meanings” (poster) *11th International Symposium of Psycholinguistics*, Canary Islands, Spain, March 20-23
- D.B den Ouden**, S. Malyutina & V. Sharpe, “Neural correlates of sentence plausibility in garden-path processing” (poster) *26th Annual CUNY conference on Human Sentence Processing*, Columbia, SC, March 21-23.

2012

- E.O. Garnett, C. Adams, A. Montgomery, K. St. Louis, & **D.B. den Ouden**, “Phonological Encoding in Cluttering” (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- D.B. den Ouden**, E.O. Garnett, J. Shepherd & J. Tang, “Computerized Naming Gaming: A Pilot Study” (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- H. McDade, K. Crass, A. Montgomery & **D.B. den Ouden**, “Do Consonant Clusters Act as a Unit During Word Retrieval?” (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- D.B. den Ouden** “Plausibility, prosody and head positions in garden path processing” (invited) Neurolinguistics Research Group, University of Groningen, The Netherlands, October 22.
- D.B. den Ouden** & M. Walsh Dickey, “Neural Correlates of the Head-Position Effect in Plausibility Manipulations” (poster), *Annual Meeting of the Society for the Neurobiology of Language 2012*, San Sebastian, Spain, October 25-27.
- D.B. den Ouden** & J. Fridriksson, “Spanish and Portuguese L2 phonology & fMRI workshop”, *CASPSlaP 2012*, University of South Carolina, February 16-17.
- E.O. Garnett, C.F. Adams, A.A. Montgomery, K.O. St. Louis & **D.B. den Ouden**, “Phonological encoding in cluttering” (poster), *7th World Congress on Fluency Disorders*, Tours, France, July 2-5.

A. Raizen, E.O. Garnett, V. Sharpe, Z. Craig & **D.B. den Ouden**, “Neural representations of phonological domains: Segments and syllables in the language network”, *USC Undergraduate Conference in Linguistics*, University of Southern California, October 12.

2011

- D.B. den Ouden**, K. Christianson, C. Anderson & M. Walsh Dickey, “Neural correlates of prosody and plausibility in garden-path processing” (poster), *Neurobiology of Language Conference 2011*, Annapolis, MD, November 10-11.
- P. Fillmore, S. Magnúsdóttir, **D.B. den Ouden**, H. H. Hjaltason, C. Rorden, O. Kjartansson, L. Bonilha & J. Fridriksson, “Damage to left anterior temporal cortex predicts impairment of complex syntactic processing: A lesion-symptom mapping study” (poster), *Neurobiology of Language Conference 2011*, Annapolis, MD, November 10-11.
- A. Meltzer Asscher, J. Schuchard, **D.B. den Ouden** & C.K. Thompson, “Neural correlates of ambiguous and unambiguous verb processing” (poster), *18th Annual Cognitive Neuroscience Meeting*, San Francisco, CA, April 2-5.
- D.B. den Ouden**, C. Adams & A. Montgomery, “Simulating the neural correlates of stuttering” (poster), *6th International Conference on Speech Motor Control*, Groningen, The Netherlands, June 8-11.
- D.B. den Ouden**, “Driven by Broca”, *32nd Annual TABU Dag*, University of Groningen, The Netherlands, 17-18 June.
- D.B. den Ouden**, “Syntactic networks in the brain: Algorithms, plausibility and prosody” (invited), Dept. of Psychology seminar, University of Milan-Bicocca, Italy, July 18.
- D.B. den Ouden**, “Functional imaging of garden path parsing: Effects of plausibility and prosody” Hard Data Café, Psychology Dep., University of South Carolina, September 1.
- E. Barbieri, C. Luzzatti, **D.B. den Ouden**, S. Aggujaro, R. Verga & C.K. Thompson, “An investigation of the Argument Structure Complexity Hypothesis (ASCH) in English and Italian speakers: data from aphasic and healthy participants.” *StrucArg 2011 (satellite of AMLAP)*, Paris, France, September 5-7.

2010

- A.N. Yurchenko, J. Hoeksema & **D.B. den Ouden**, “Processing negative and positive polarity items” (poster), *The Fourth International Conference on Cognitive Science*, Tomsk, Russia, June 22–26.
- D.B. den Ouden**, & C.K. Thompson, “Low perfusion affects cortical neuroplasticity” (poster), *Neurobiology of Language*, San Diego, CA, November 11-12.
- D.B. den Ouden**, D. Saur, B. Schelter, S. Lukic, E. Wali & C.K. Thompson, “Network modulation during complex syntactic processing” (poster), *Neurobiology of Language*, San Diego, CA, November 11-12.
- D.B. den Ouden**, “Syntax across the brain”, Linguistics Program Colloquium, University of South Carolina, October 29.
- D.B. den Ouden**, “Body parts in action (words)”, Interdisciplinary Neuroimaging Research Group, University of South Carolina, September 15.
- D.B. den Ouden**, D. Saur, B. Schelter, S. Lukic, E. Wali & C.K. Thompson, “Network modulation during complex syntactic processing” (poster), *16th Annual Meeting of the Organization for Human Brain Mapping*, Barcelona, Spain, June 6-10.
- E. Riley, **D.B. den Ouden**, S. Lukic, C.K. Thompson, “Neural Mechanisms of Verb Argument Structure Training in Agrammatic Aphasia”, (poster), *16th Annual Meeting of the Organization for Human Brain Mapping*, Barcelona, Spain, June 6-10.

D.B. den Ouden, E. Riley, S. Lukic & C.K. Thompson “Neural Mechanisms of Verb Argument Structure Training in Agrammatic Aphasia” (platform presentation), *Clinical Aphasiology Conference 2010*, Isle of Palms, South Carolina, May 23-28.

2009

E.A. Riley, **D.B. den Ouden**, S. Lukic, & C.K. Thompson, “Neuroplasticity and Recovery from Aphasia: Treatment-Induced Recovery of Verbs and Sentence Production” (poster), *47th Annual Meeting of the Academy of Aphasia*, Boston, 18-20 October.

D.B. den Ouden & C.K. Thompson, “Verb embodiment in action naming” (poster), *Neurobiology of Language Conference*, Chicago, 15-16 October.

D.B. den Ouden, B. Bonakdarpour, S. Fix, K. Garibaldi, T.B. Parrish & C.K. Thompson, “Neural plasticity and treatment induced recovery of sentence processing and production in agrammatism” (platform presentation), *Clinical Aphasiology Conference 2009*, Keystone, Colorado, May 26-30.

D.B. den Ouden, A. Baria, J. Lee & C.K. Thompson, “From hand to mouth: Verb embodiment in action naming” (platform presentation and poster), *15th Annual Meeting of the Organization for Human Brain Mapping*, San Francisco, June 18-22.

D.B. den Ouden & C.K. Thompson, “Activation shifts after treatment-induced recovery of sentence processing and production in agrammatism” (poster), *15th Annual Meeting of the Organization for Human Brain Mapping*, San Francisco, June 18-22.

2008

D.B. den Ouden, C. Anderson, K. Christianson & M. Walsh Dickey, “Not-good-enough processing in agrammatic and non-agrammatic speakers” (platform presentation), *CUNY 2008 Conference on Human Sentence Processing*, University of North Carolina at Chapel Hill, March 13-15.

D.B. den Ouden, “Verb embodiment in action naming and lexical decision”, Cognitive Brain Mapping Group, Northwestern University, Chicago, 8 October.

C.K. Thompson, **D.B. den Ouden**, B. Bonakdarpour, S. Fix, K. Garibaldi, T. Love & T.B. Parrish, “Neural correlates of CATE: A multiple-case study of treatment-induced recovery of sentence processing and production in agrammatism” (platform presentation), *46th annual meeting of the Academy of Aphasia*, Turku, Finland, 19-21 October.

B. Bonakdarpour, **D.B. den Ouden**, S. Fix, K. Garibaldi, S. Lukic & C.K. Thompson, “Posterior perisylvian lesion volumes in agrammatism and associated sentence deficit patterns”, (poster), *46th annual meeting of the Academy of Aphasia*, Turku, Finland, 19-21 October.

D.B. den Ouden, B. Bonakdarpour, S. Fix, K. Garibaldi, T. Love, T.B. Parrish & C.K. Thompson, “Neural plasticity after training of complex sentence structures in agrammatism” (platform presentation), *ASHA Convention 2008*, Chicago, 20-22 November.

B. Bonakdarpour, **D.B. den Ouden**, S. Fix, K. Garibaldi, S. Lukic & C.K. Thompson, “Lesion volumes in agrammatic aphasia: The role of the posterior perisylvian region for syntactic processing” (poster), *ASHA Convention 2008*, Chicago, 20-22 November.

2007

D.B. den Ouden, “Naming verbs from movies and pictures”, Cognitive Brain Mapping Group, Northwestern University, Chicago, 7 February.

D.B. den Ouden, S. Fix, E. Riley, K. Rulf, A. Shook, T.B. Parrish & C.K. Thompson, “Verb argument structure in movies and pictures: An fMRI study” (poster), *13th Annual Meeting of the Organization for Human Brain Mapping*, Chicago, 10-14 June.

D.B. den Ouden, “On the lateralization of narrow and broad syntax”, (invited) Research Round Table, Dept. of Communication Science and Disorders, University of Pittsburgh, 10 October.

D.B. den Ouden, “Syntactic Training and Recovery in Agrammatic Aphasia: fMRI Investigations”, Cognitive Brain Mapping Group, Northwestern University, Chicago, 31 October.

2006

D.B. den Ouden & C.K. Thompson, “Phonologically marked verb inflections in agrammatic speech production” (poster), *3rd Annual Language Production Workshop*, Chicago, USA, 13-15 August.

D.B. den Ouden, “Neural networks for syntactic processing: Lateralization of narrow and broad syntax”, (invited) *7th Science of Aphasia Conference*, Neurocognition of Language: Innovative aspects, Porto Conte, Sardinia, Italy, 7-12 September.

D.B. den Ouden, “Agrammatism and the lateralization of narrow and broad syntax”, ‘First Fridays’ faculty research talk, Dept. of Communication Sciences and Disorders, Northwestern University, Chicago, 6 October.

D.B. den Ouden & C.K. Thompson, “Phonological markedness affects the production of verb inflections” (poster), *44th annual meeting of the Academy of Aphasia*, Victoria, BC, Canada, 15–17 October.

D.B. den Ouden, “Agrammatism and the lateralization of narrow and broad syntax”, (invited) language processing series talk, Beckman Institute, University of Illinois at Urbana-Champaign, Urbana, 26 October.

2005

D.B. den Ouden & R. Bastiaanse, “Different sources of phonological output deficits: A multiple-case study” (poster), *6th Science of Aphasia Conference: Recovery and treatment*, Aavaranta, Finland, 27-29 August.

2004

D.B. den Ouden & R. Bastiaanse, “Verb second in Dutch sentence production: An fMRI study” (platform presentation), *5th Science of Aphasia Conference: Crosslinguistic aspects of Aphasia*, Potsdam, Germany, 16-21 September.

D.B. den Ouden, H. Hoogduin, P. Maguire, L. Stowe & R. Bastiaanse, “Neural correlates of verb second in Dutch: An fMRI study” (platform presentation), *42nd annual meeting of the Academy of Aphasia*, Chicago, 17-19 October.

D.B. den Ouden, “Dutch Verb Second: an fMRI study”, fMRI day 2004, University of Utrecht, 19 November.

2003

D.B. den Ouden, “Verbale apraxie en hapklare brokjes”, (invited) Noordelijke Afasie Werkgroep, Martini Hospital Groningen, 18 March.

D.B. den Ouden, “Breakdown at the Phonological Level”, (invited) *4th Science of Aphasia Conference, Aphasia: Cross-disciplinary aspects*, Trieste, Italy, 22-27 August.

D.B. den Ouden, “Verb movement in Dutch brains”, *SAN-dag* (annual workshop organised by the Dutch Aphasia Society), University of Groningen, 20 November.

2002

- D.B. den Ouden** & R. Bastiaanse, "Is movement for real?" (poster), *Theoretical and Experimental Linguistics, Euroconference on the syntax of normal and impaired language*, Corinth, Greece, 1-6 June.
- D.B. den Ouden**, "Verbale apraxie en de dubbele route in fonologische productie", (invited) *International Aphasia Conference 2002*, Zeist, 26-28 September.
- D.B. den Ouden**, "Phonological optimality in aphasia", (invited) Linguistics Colloquium, University of Groningen, 18 October.

2001

- D.B. den Ouden**, "Optimal codas in aphasia" (platform presentation), *Holland Institute of Generative Linguistics Phonology conference 5 (HILP5)*, Potsdam, Germany, 11-13 January.
- D.B. den Ouden**, "Aphasia and levels of harmony" (platform presentation), *TIN-dag 2001* (Linguistics in The Netherlands), University of Utrecht, 3 February.
- D.B. den Ouden**, "Optimality Theory and the different levels of impairment in fluent and nonfluent aphasics" (platform presentation), *4th International Speech Motor Conference: Speech Motor Control in Normal and Disordered Speech*, University of Nijmegen, 13-16 June.
- D.B. den Ouden**, "The coda conflict in fluent aphasia" (platform presentation), *The Neurological Basis of Language*, University of Groningen, 9-11 July.

2000

- D.B. den Ouden**, "Segmental vs positional markedness in syllables: Deletion errors in the paraphasias of fluent and non-fluent aphasics" (platform presentation), *Speech and Language Pathology*, Padova, Italy, 22-26 August.

1999

- D.B. den Ouden** & R. Bastiaanse, "Syllable structure at different levels in the speech production process: Evidence from Aphasia" (platform presentation), *Holland Institute of Generative Linguistics Phonology conference 4 (HILP 4)*, University of Leiden, 28-30 January.
- D.B. den Ouden**, "Syllables in phonetology", (invited) Linguistics Colloquium, University of Groningen, 19 February.
- D.B. den Ouden** & R. Bastiaanse, "The effect of positional markedness within the syllable on the performance of phonemically and phonetically impaired patients on a repetition task" (platform presentation), *ICPLA 7*, Université de Montréal, Canada, 17-19 May. *Winner of Conference Prize: Best Student Paper.*
- D.B. den Ouden**, "Phonological Encoding and Aphasia, with a Focus on Conduction Aphasia", Workshop Phonological Encoding and Monitoring, Max Planck Insititute, Nijmegen, 18 June.
- D.B. den Ouden**, "Fonologische segmenten en structuur in afasie", (invited) Vereniging voor Klinische Linguïstiek, Academisch Medisch Centrum, University of Amsterdam, 24 September.
- D.B. den Ouden** & R. Bastiaanse "Three different patterns of phonological disturbance in aphasia" (poster), *Academy of Aphasia 37th Annual Meeting*, Venice, Italy, 25-27 October.

1998

D.B. den Ouden, “Phonological encoding deficiencies in aphasia”, (invited) Université de Montréal, Canada, 27 May.

D.B. den Ouden, “Syllable structure and markedness in different types of aphasia”, (invited) Staff Seminar, Grammatical Models Group, Catholic University of Brabant (KUB), 21 October.

D.B. den Ouden & R. Bastiaanse, “Singletons and clusters in onsets and codas: The performance of phonemically and phonetically impaired patients on a repetition task” (poster), *Academy of Aphasia 36th Annual Meeting*, Santa Fe (NM), USA, 1-3 November.

1997

D.B. den Ouden, “De fonologische frase”, *TABU-dag*, University of Groningen, 13 June.

D.B. den Ouden, “Fonologische coderingsstoornissen bij conductie afasie”, (invited) Research Lecture, UiL-OTS, University of Utrecht, 21 November.