Ethan Weed

Associate Professor, PhD
Linguistics
Aarhus University
Jens Chr. Skous Vej 2, building. 1485
8000 Aarhus C, Denmark

Contact

Email: ethan@cc.au.dk
Homepages
http://pure.au.dk/portal/en/linew@hum.au.dk
http://www.ethanweed.com/
http://cc.au.dk/forskning/forskningscentre/language-as-a-tool-for-learning/

Education and positions

2015- present: Associate Professor, Linguistics, Aarhus University
2019: Visiting Researcher, Department of Psychology, University of Connecticut, USA
2014: Visiting Researcher, Department of Psychology, University of Connecticut, USA
2011-2014: Assistant Professor, Linguistics, Aarhus University
2011: Research Assistant at MindLab, Center for Functionally Integrative Neuroscience (CFIN), Aarhus University Hospital
2011: PhD in Linguistics from Aarhus University (June 8) 2009-2011: PhD fellow Dept. Linguistics, Aarhus University,
2008: Research assistant at CFIN
2007: MA in Cognitive Semiotics, Aarhus University
2003: BA in Spanish from Aarhus University
1996: BA in Liberal Arts (Major: Ecology) from Hampshire College, USA

Primary research interests

Clinical Linguistics, Acoustic Phonetics, Clinical Pragmatics, Language Acquisition in Special Populations, Electrophysiological Methods, Natural Language Processing

Dissertation

PhD Dissertation (2011): Getting the Message Right: Social Cognition, Pragmatic Impairment, and Right Hemisphere Damage

Other courses

2019: Workshop on Artificial Intelligence: Deep Learning and TensorFlow for Computer Vision and Natural Language Processing, University of Connecticut
2018: State of Danish Natural Language Processing, Aarhus University
2018: Advanced Bayesian Statistical Modeling, Interacting Minds Center, Aarhus University
2013: Graduate Certificate in Tertiary Teaching, Aarhus University
2012: ERP Bootcamp, Department of Psychology, Copenhagen University
2007: Wellcome Trust Centre for Neuroimaging SPM course
2006: Introduction to MATLAB, Center for Functionally Integrative Neuroscience

Publication Metrics

Peer-reviewed:
Articles: 13 (first/sole author: 5; last author: 2)
Refereed posters and abstracts: 27
Book chapters: 2 (first/sole author: 1; last author: 1)

Without peer-review:
Articles and dissemination: 9

Citations: 500 (Google Scholar March 27, 2020)
H-index: 8 (Google Scholar March 27, 2020)

Supervision

PhD

Co-supervisor on three PhD projects

MA

Supervisor on 31 master theses

Teaching

MA level

Cognitive Neurolinguistics: 2009
Language of the Brain: 2011
Psycholinguistics of Second Language Acquisition: 2012
Language Challenges in the Classroom: 2012
Statistics for Linguists: 2013
Development of Language: Language Acquisition: 2013, 2015
Auditory Neuroscience and Speech Processing: 2014
Research Workshop: Dyslexia: 2016
Research Workshop: Auditory Processing: 2017
Child Language Acquisition: 2016 - 2019

BA level

Psycholinguistics: 2009 - 2010
Humanities Elective Language and Cognition: 2010 - 2014
Language, Cognition, and the Brain: 2011 - present
Phonetics and Phonology: 2012, 2015
Studium Generale (Introduction to Philosophy of Science): 2015
Text Analysis: 2018

Dissemination

Over 20 invited talks at e.g. DuPont Nutrition and Health, Novozymes A/S, the
Danish Organization of Speech Language Pathologists (FTHF), and Chinese
Academy of Sciences

Management and Administration

2018 - present: Center Leader, Language as a Tool for Learning Center, AU
2018 - present: Study Board Representative, Department of Language, Cognitive
Science and Semitics, AU
2018 - present: Study Coordinator, Linguistics
2018 - 2019: Internship Coordinator, Linguistics

Research Grants

2019-2024: Co-Investigator, National Institute on Deafness and Other Communication Disorders: "Early Predictors to School Age Language: Individual and Interactional Child and Parent Factors", Letitia Naigles (PI)
2018: AU Funding for Language as a Tool for Learning Center 2013-2018: Interacting Minds small grants for projects: "Music, Voice, and Auditory Brainstem Response" "Hearing What You're Thinking" "Clinical Voices" "How well do cloze tests really test reading comprehension in Danish higher-education students?"

Reviewing

Grant reviewing
2012: Israel Science Foundation (ISF)

PhD thesis evaluation

2018: Aymeric Duval-Markussen, Aarhus University (committee chairman)
2018: Magnus Hamnn, Aarhus University (committee chairman)
2016: Jens Sand Østergaard, Aarhus University (committee chairman)

Positions

2015: PhD application committee, Graduate program for Language, Linguistics and Cognition, AU

Reviews for international journals

Aphasiology Dyslexia
Journal of Child Language
Journal of Neuroscience
Proc. Nat. Acad. Sci (PNAS)
Psychology of Language and Communication
Journal of Neurolinguistics
Cognitive Systems Research

Peer-reviewed articles

Weed, E., Fusaroli, R. (accepted). Acoustic Measures of Prosody in Right-Hemisphere Damage: A Systematic Review and Meta-Analysis. Journal of Speech, Language, and Hearing Research.

Bønnerup, K., Pedersen, A.L., **Weed, E.**, & Parrila, R. (2019). Differences in the literacy skills of Danish dyslexic students in two types of higher education programs. Dyslexia, 25, 173–189. doi:10.1002/dys.1617

Fusaroli, R., **Weed, E.**, Fein, D., & Naigles, L. (2018). Hearing me hearing you: Reciprocal effects between child and parent language in autism and typical development. Cognition, 183, 1-18.

Kizach, J., Christensen, K. R., & **Weed, E.** (2016). A verbal illusion: Now in three languages. Journal of psycholinguistic research, 45(3), 753-768.

Petersen, B., **Weed, E.**, Sandmann, P., Brattico, E., Hansen, M., Sørensen, S. D., & Vuust, P. (2015). Brain responses to musical feature changes in adolescent cochlear implant users. Frontiers in Human Neuroscience, 9, 7.

Bliksted, V., Fagerlund, B., **Weed, E.**, Frith, C., & Videbech, P. (2014). Social cognition and neurocognitive deficits in first-episode schizophrenia. Schizophrenia Research, 153(1), 9-17.

Weed, E. (2011). What's left to learn about right hemisphere damage and pragmatic impairment?. Aphasiology, 25(8), 872-889.

Weed, E., McGregor, W., Nielsen, J. F., Roepstorff, A., & Frith, U. (2010). Theory of Mind in adults with right hemisphere damage: What's the story?. Brain and Language, 113(2), 65-72.

Tylén, K., **Weed, E.**, Wallentin, M., Roepstorff, A., & Frith, C. D. (2010). Language as a tool for interacting minds. Mind & Language, 25(1), 3-29.

Tylén, K., Bjørndahl, J. S., & **Weed, E.** (2009). Taking the language stance in a material world: a comprehension study. Pragmatics & Cognition, 17(3), 573-595.

Weed, E. (2008). Theory of mind impairment in right hemisphere damage: A review of the evidence. International Journal of Speech-Language Pathology, 10(6), 414-424.

Wallentin, M., **Weed, E.**, Østergaard, L., Mouridsen, K., & Roepstorff, A. (2008). Accessing the mental space — spatial working memory processes for language and vision overlap in precuneus. Human Brain Mapping, 29(5), 524-532.

Weed, E. (2008). Looking for Beauty in the Brain. Estetika: The Central European Journal of Aesthetics, 45(1), 5-23.

Refereed posters and abstracts

Fusaroli, R., **Weed, E.**, Fein, D., Naigles, L. (2020) Intact but Atypical Lexical and Syntactic Alignment in Spontaneous Speech of Children with Autism Spectrum Disorder. MOLA 2020, Durham, North Carolina.

Weed. E., Fusaroli, R., Mayo, J., Eigsti, I-M. (2020) Symptom Severity and Acoustically-Identified Groups of Speakers with and without Autism Spectrum Disorder. MOLA 2020, Durham, North Carolina.

Weed. E., Fusaroli, R., Mayo, J., Eigsti, I-M. (2020) Subgroup Identification of Speakers with and without ASD Using Network Models of Acoustic Features of Prosody and Voice. INSAR 2020, Seattle.

Weed. E., Fusaroli, R., Mayo, J., Eigsti, I-M. (2020) Relative Importance of Prosody Versus Voice Quality for Clinician Assessments of Speech in ASD. INSAR 2020, Seattle.

Ottosen, H., Bønnerup, K.H., **Weed, E.**, Parrila, R. (2019) Word level problems in Danish students assessed for dyslexia in higher education. CPH 2019 Conference on Literacy.

Fusaroli, R.; **Weed, E.**; Fein, D.; Naigles, L. (2019) Parental linguistic alignment in conversations with children with ASD and TD children. Abstract from INSAR 2019, Montreal, Canada.

Fusaroli, R.; **Weed, E.**; Fein, D.; Naigles, L. (2019) Parental linguistic alignment to their children facilitates language acquisition, with syntactic alignment being particularly relevant for children with ASD. Abstract from INSAR 2019, Montreal, Canada.

Weed, E.; Fusaroli, R.; Mayo, J.; Eigsti, I-M. (2019) Creaky Voice in Adolescents with Autism Spectrum Disorder: An Acoustic, Quantitative Analysis. Abstract from INSAR 2019, Montreal, Canada.

Fusaroli, R., Lambrechts, A., **Weed, E.**, Maras, K., Yarrow, K., Bowler, D., & Gaigg, S. (2017). Social impairment in conversation: disfluency and compensatory mechanisms. In International Meeting for Autism Research.

Weed, E., Fusaroli, R., Tranbjerg, J., Fein, D., & Naigles, L. (2017). Speech turn dynamics in a longitudinal corpus of child-caregiver interactions. In International Meeting for Autism Research

Weed, E., & Fusaroli, R. (2017). No Acoustic Evidence from RHD for a Right Hemisphere Role in Prosody Production: A Meta-Analysis. In The Ninth Annual Meeting of the Society for the Neurobiology of Language.

Weed, E., Fusaroli, R., Fein, D., & Naigles, L. (2015). Longitudinal adaptation in language development: a study of typically-developing children and children with ASD. In 2015 Society for Research in Child Development Biennial Meeting.

Fusaroli, R., **Weed, E.**, & Naigles, L. (2016). Learning to Interact: Developmental Trajectories of Linguistic Alignment in ASD. In International Meeting for Autism Research.

Fusaroli, R., Grossman, R., Cantio, C., Bilenberg, N., & **Weed, E.** (2015). The temporal structure of the autistic voice: a cross-linguistic examination. In International Meeting for Autism Research.

Fusaroli, R., **Weed, E.**, Fein, D., & Naigles, L. (2015). Language development in context: a longitudinal study of typically-developing children and children with ASD. In International Meeting for Autism Research.

Fusaroli, R., Simonsen, A., **Weed, E.**, & Bliksted, V. F. (2014). Non-linear Dynamics of Speech in Schizophrenia: A Machine-Learning Approach. In Schizophrenia International Research Conference.

Fusaroli, R., Cantio, C., Bilenberg, N., & **Weed, E.** (2014). Voice Patterns in Children with Autism Spectrum Disorder: Predicting Diagnostic Status and Symptoms Severity. In the International Meeting for Autism Research 2014.

Weed, E. (2014). Sounds in context: electrophysiological evidence for local bias in auditory processing. In Bias in Auditory Perception.

Fusaroli, R., **Weed, E.**, Fein, D., & Naigles, L. (2014). Linguistic adaptation between mothers and children in ASD: a longitudinal perspective. In Psychonomic Society's 55th Annual Meeting.

Weed, E., Kratschmer, A. R., & Pedersen, M. N. (2014). Testing the validity of wireless EEG for cognitive research with auditory and visual paradigms. In SNL 2014-Society for the Neurobiology of Language.

Fusaroli, R., Bang, D., & **Weed, E.** (2013). Non-linear analyses of speech and prosody in asperger's syndrome. In International Meeting For Autism Research.

Fusaroli, R., Tylén, K., Simonsen, A., & **Weed, E.** (2013). Non-linear dynamics of voice in mental disorders. Cog Sci.

Petersen, B., **Weed, E.**, Hansen, M., Derdau, S., Sandmann, P., & Vuust, P. (2013). Brain Responses to Language-relevant Musical Features in Adolescent Cochlear Implant Users Before and After an Intensive Music Training Program. Interaction. In Neurobiology of Language Conference

Weed, E., & Fusaroli, R. (2013). Prosodic production in right-hemisphere stroke patients: using temporal dynamics to characterize voice quality. In Neurobiology of Language.

Weed, E., Allen, M. G., & Gramm, D. (2012). Negative "gossip" stimuli modulate left-lateralized P1 component while viewing neutral faces. In Neurobiology of Language

Weed, E., & Christensen, P. (2011). Cross-modal integration of affective facial expression and vocal prosody: an EEG study. In The 3rd Conference of the Scandinavian Association for Language and Cognition.

Weed, E., McGregor, W., Feldbaek, J., & Roepstroff, A. (2009). Moving pictures: Using descriptions of animations to assess Theory of Mind in people with right-hemisphere damage. In La lingüística ante el reto de la aplicación clínica: actas del II Congreso Internacional de Lingüística Clínica (pp. 247-249). Universidad Nacional de Educación a Distancia, UNED.

Book chapters

Weed, E. (2013). Is there an irony center in the brain?. In Ironistik (pp. 79-83). Publizon.

Tylén, K., Bjørndahl, J. S., & **Weed, E.** (2011). Actualizing semiotic affordances in a material world. Benjamins Current Topics, 81.

Publications without peer-review

Sørensen, L. L., Claumarch, I. E. R., & **Weed, E.** (2017). Testning af alment ordforråd hos danske universitetsstuderende: et normeringsstudie. Dansk Audiologopaedi, 53(1), 10-15.

Weed, E., & Fusaroli, R. (2015). Modeling parent-child dyads in the linguistic development of children with and without ASD. In Autism@Aarhus 2015 Symposium: 4Th Anniversary Meeting.

Weed, E., Kratschmer, A. R., Lieberoth, A., & Pedersen, M. N. (2014). Wireless EEG for field study: Checking the data quality.

Zareini, B., Nielsen, J. F., Kock-Jensen, C., Vuust, P., **Weed, E.**, Pedersen, M. N., & Overgaard, M. (2013). Cognitive Complexity and Disorders of Consciousness.

Weed, E. (2013). A Review of Palmer, SE and Shimamura, AP eds., Aesthetic Science. Estetika, 6(1), 128-133.

Weed, E. (2009). Når "Godt gået" betyder "dumt gjort". Logos: Audiologopædisk Tidsskrift, (57), 12-13.

Weed, E. (2004). A Labyrinth Of Symbols Exploring 'The Garden Of Forking Paths'. Variaciones Borges, 18, 161-189.

Weed, E. (2004). Aspectos De La Citación En "Tlön, Uqbar, Orbis Tertius". Variaciones Borges, 17, 21-42.

Weed, E. (2007). Bits and pieces: perception, cognition, and language in patients with damage to the right cerebral hemisphere. In Language in cognition, cognition in language, Aarhus University

Monographs

Weed, E. (2011). Getting the Message Right: Social Cognition, Pragmatic Impairment, and Right Hemisphere Damage (Doctoral dissertation, Aarhus Universitet).