

Thesis Supervisors: Linguistics

(Cognitive Science and Cognitive Semiotics below)

Note: You are free to choose supervisors across the three disciplines. If you desire a supervisor across disciplines please contact the desired supervisor in advance.

NB: Faculty members on this list are available for thesis supervision, and most are also available for **internal supervision of Project Placement projects**. Names marked with an asterisk (*) are eligible for thesis supervision only.



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Research areas/Areas of supervision

- Sproglig adfærd på det sociale medier (både i rammen af vaccinationsprojektet og selvstændige undersøgelser)
- Oversættelsesteori - og praksis (med produkt)
- Oversættelseskritik
- Tekstlingvistik, diskursanalyse
- Andetsprogstilegnelse
- Sprog og evolution
- Psykolingvistik
- Romerske og germanske sprog (også komparativt)

Examples of theses

Mnemonic-scaffolding and circular syllabus

Design and their effect in second language vocabulary learning (Cognitive Semiotics)

Citatkonditionalis i moderne italiensk talesprog

Oversættelse og kultur – en analyse af kulturbundne elementers gengivelser i en dansk oversættelse af "Il giorno della civetta" af Leonardo Sciascia

Leksikaliseringmønstre i oversættelsen teori og praksis. Komparativ undersøgelse af leksikaliseringmønstre i danske og italienske bevægelsesverber og substantiver

Oversættelse i teori og praksis med udgangspunkt i egen oversættelse af Enrico Deaglios bog "La banalità bene" (produktspciale)

Den usynlige hånd og andre forklaringer på sproghistoriske forandringer. En videnskabsteoretisk analyse af udvalgte forklaringsstrategier inden for udviklingen af de latinske konsonantforbindelser CL, PL og FL på spansk set i lyset af Brit Mæhlums kritik af traditionelle tilgange samt i lyset af Rudi Kellers usynlig hånd-teori om sprogforandring (Studerende fra spansk)

Dialektiske interferenser i skriftligt italiensk hos padovanske børn. En empirisk undersøgelse



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Research areas/Areas of supervision

- Phonetics and Phonology
- Bilingualism
- Second-language acquisition
- First-language acquisition
- Language and pre-literacy intervention
- Language and pre-literacy assessment
- Language acquisition in hearing-impaired

Examples of theses

Perception ved indlæring af nye ord hos danske hørehæmmede førskolebørn: Diskrimination af initiale konsonanter

Forebyggelse af læsevanskeligheder i børnehavealderen - Evidensbaseret prædiktion og intervention

En undersøgelse af om Reciprocal Teaching kan forbedre sprogforståelsen i læsning hos tosprøgede elever i de yngre klasser i folkeskolen

Otitis media og sprogudvikling – En kvantitativ undersøgelse af sprogudviklingen hos danske børn i treårsalderen med historik for otitis media

The Phonological Development in Danish-speaking Children

Voksne hørehæmmedes identifikation af danske konsonanter i stilhed og støj

Er piger bare dygtigere? En undersøgelse af kønsforskelle i sproglige kompetencer hos treårige baseret på national sprogvurdering



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Research areas/Areas of supervision

Early language development Early childhood interventions
Quality of the learning environment (daycare/home)

Early assessment (language, pre-literacy, math, socioemotional skills)

Professional development (teachers)

Examples of theses

Kvaliteten af børns ordforråd som indikator for senere skoleudvikling

Fra afprøvning til test. En undersøgelse af otteårige med og uden SLI's færdigheder i præteritumbøjning omsat til praksis

Børns tilegnelse af tidlig gestik

Ensartetheden i den danske logopædiske testning med Reynell og Sproglig test 1



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Research areas/Areas of supervision

Social Interaction

- Dyslexia
- Autism Spectrum Disorders
- Cochlear implants
- Electrophysiology of language

Child language development

- Phonological development
- Child-directed speech
- Language development in school-age children

Natural Language Processing

- Text-mining
- Parsing
- Sentiment analysis

Phonetics/acoustics

- Voice quality
- Speech processing
- Modelling prosody in clinical groups

Examples of theses

Segmentering i et vokoidrigt sprog: en særlig udfordring danske børn møder i den tidlige sprogtilegnelsesfase?

Syntaktisk kompleksitet, arbejdshukommelse og dysleksi i videregående uddannelse

Authorship Analysis: Document Clustering for Digital Text Forensics

Does musical training affect the speech perception abilities of cochlear implant users?

Tekstudvælgelsesværktøj til implementering i andetsprogsundervisning: et produktspeciale med japansk som case

Udvælgende opmærksomhed og kognitiv kontrol hos dyslektiske folkeskolebørn - et kvantitativt studie af ordblindes opgaveløsning, selvregulering og arbejdshukommelsesstrategier

Læseforståelse og dysleksi på lange videregående uddannelser: En undersøgelse af clozetest-formatet og dets gyldighed som læseforståelsestest på en kontrolgruppe af universitetsstuderende.



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Research areas/Areas of supervision

- Interaction
- Conversation analysis
- The grammar of talk-in-interaction
- Linguistic ethnography
- Ethnographically based studies of language use and interaction more generally
- Video-observation
- Danish grammar
- Danish phonetics and phonology
- Interactional linguistics, emergent grammar, construction grammar, dialogic grammar
- Second language acquisition
- Children's interaction
- Discourse analysis, text analysis
- Bilingual, multilingual, plurilingual interaction
- Qualitative sociolinguistics
- Post-structuralist linguistics

Examples of theses

Samtaleri: Et dialogbaseret læringsmateriale til undervisning i dansk som andetsprog

At springe ud af skabet - en lingvistisk-etnografisk, queerteoretisk undersøgelse af homo- og heteroseksuel identitetsarbejde

"Man bør stave rigtigt på forsiden" – En undersøgelse af ubevidste holdninger til stavefejl på virksomheders hjemmesider

Samarbejdende børn – En lingvistisk etnografisk konservationsanalytisk undersøgelse af sprog og bevægelser i børnehavebørns sociale interaktioner

Samtalegrammatik i skriftlig online interaktion – en digital-samtaleanalytisk undersøgelse af udvalgte samtalegrammatiske fænomener på facebook

Æv bæv – Et samtaleanalytisk indblik i vurderinger i danske, naturlige samtaler

Investigating interlanguage and cross-linguistic influence in the foreign language classroom

The function of the foundation field in Danish talk-in-interaction. On the intersection of information structure, interactional organization and syntactic coordination



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Research areas/Areas of supervision

Linguistic typology (methodology; pragmatics, semantics, morphosyntax).

Functional-cognitive-typological approaches to grammar.

Aspects of noun phrase structure (incl. e.g. semantics, syntax/word order, modification).

Parallels between noun phrases and clauses (synchronic and diachronic).

Parts-of-speech systems / word classes / lexical flexibility.

Noun semantics & nominal classification.

Grammaticalization.

Morphosyntactic categories in cross-linguistic research.

Examples of theses

Der dødes og andre (u)mulige intransitivkonstruktioner – en leksikal-semantisk analyse af uakkusativitet på dansk.

A typological approach to Japanese personal pronouns.

Gender polarisation, stereotypes and decontextualisation - Some problems in language and gender research.

Parts-of-speech systems in Creole languages.

The discourse of war - a study of metaphors and political rhetoric in the videogames Call of Duty: Modern Warfare 1 + 2.

Ordblindhed: en afdækning af ordblindeundervisning i Danmark.



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Research areas/Areas of supervision

- Sociolinguistics
- Anthropological linguistics
- Historical linguistics
- Contact linguistics
- Pidgins and creoles
- Amerindian languages
- Genderlects
- Twins' languages
- Language planning and policy
- Multilingualism
- Deaf studies
- Canada
- Nuristani languages
- Typology

Examples of theses

Fonlogisk kompleksitet i dansk – en diskussion af det danske lydsystems synkrone og diakrone kompleksitet fra et typologisk perspektiv.

Sproglig socialisering – En lingvistisk etnografisk tilgang til en caseundersøgelse fra en dansk institution med tosprogede børn.

”Må jeg låne your pencil, please?”. The whys and whens of codeswitching in schoolchildren’s conversations.

Rosa Mexicano. The meaning of the Mexiacan Spanish color terms of Oaxaca.

The spread of English in present Europe: Comparing the popularity of English in different parts of Europe. A survey among volunteers in an international organization.

African structural continuity in Atlantic creoles: phylogenetic network analysis applied to structural-typological data.



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Research areas/Areas of supervision

Semantics and pragmatics

Language typology and variation

Natural Language Processing and Machine Learning

Computational Linguistics

Social media mining

Causality/causal inference modeling

Sound symbolism

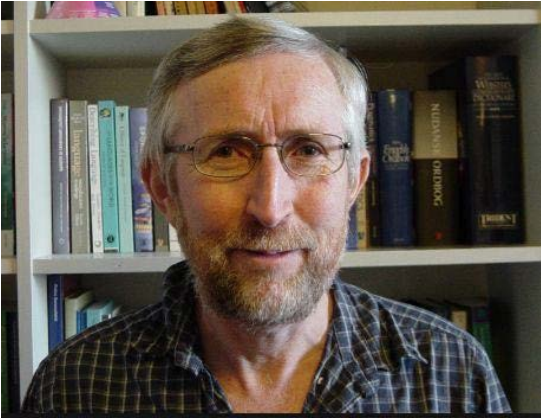
Social meaning/sociopragmatics

Examples of theses

See student paper titles resulting from courses/seminars I've taught at AU:

2019 Research Workshop Computational Linguistics papers:
https://aunlp.github.io/LaC20/#!2019_Papers.md

2019 Natural Language Processing papers:
https://aunlp.github.io/LaC20/NLP_posters_flier.pdf



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Research areas/Areas of supervision

- Language description and documentation
- Historical & comparative linguistics
- Grammaticalisation
- Linguistic typology
- Cognitive-functional-semiotic grammar
- Sign languages - deaf & alternate
- Australian Aboriginal languages
- Khoe languages
- History of linguistics
- Possession
- Interpersonal grammar and joint attention
- Nominal and verbal classification
- Kinship
- Semantics and pragmatics
- Narrative
- Spatial language and cognition

Examples of theses

Reta phonology, morphology and syntax. A grammar sketch of a Papuan language of Nusa Tenggara Timur, Eastern Indonesia

Blumps and twipitts: how native speakers of English perceive sound and symbolic elements in nonsense words

An initial description of the phonetics and phonology of Kurdish Sign Language

The phonology of Zaachila Zapotec. A segmental and suprasegmental analysis

ORSUMM recognizes speakers using motor movements

Typological variation of syntactic roles

Relationen mellem læsning og hurtig automatisk benævnelse

Thesis Supervisors: Cognitive Science and Cognitive Semiotics

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Research areas/Areas of supervision

- Computational neuroscience
- Predictive coding
- Data science
- Disorders of the mind

Examples of theses

The diagnostic predictiveness of interindividual differences in susceptibility to illusory control

Inside the triad - a computational exploration

The role of dopamine in a volatile social decision-making task with active inference and a hierarchical Gaussian filter



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Research areas/Areas of supervision

Examples of theses

Experimental semiotics

Dissociating Movement Variability and Speed in Intentional Joint Action Coordination

Social cognition

Motor Coordination and Task Representations in Joint Action

Embodied communication

Learning Time Coordination in Joint Action and the Effects of Theory of Mind Ability

Joint action

Action planning and control

Do You Want to Play Piano with Me? A Study on Shared Learning in Music Performance

Joint music performance

Transfer of Learning in Joint Action

Shared representations

Behavioral synchrony

Social learning



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Research areas/Areas of supervision

- Neuroimaging (fNIRS, fMRI, EEG)
- Social and cultural neuroscience
- Synchrony (biosocial)
- Human social behavior
- Neuroplasticity
- Neuroanthropology
- Neuropsychiatry
- Human biodiversity
- Social difficulties
- Social skills (adaptability, empathy)
- Social identity
- 'Self' and consciousness
- Individual differences
- Roles of context and environment
- Prefrontal activation
- Hyperscanning

Examples of theses

- Virtual reality interventions for social anxiety
- Avatars and racial bias
- Social self-organization in a hostel: cognitive-anthropological perspective
- The ways we change: behavioral and neural responses to social interaction
- Self-other confusion: entangled self-identities in schizophrenia after conversations
- Global mental health and neuropsychiatry



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Research areas/Areas of supervision	Examples of theses
<ul style="list-style-type: none">- Cognitive modeling- Decision making- Applications of cognitive science- Social decision making- Social robotics	



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Research areas/Areas of supervision

- Experimental semiotics/pragmatics
- Problem solving
- Dialogue
- Gesture
- Extended mind
- Language evolution
- Quantitative corpus studies
- Sound symbolism

Examples of theses

What gesture reveals about event conceptualization: An experimental approach to the communication of transitive event structure

Mapping the lexicon for sound in Danish, Norwegian and English

Informational Synergies in the HCRC map task corpus

Environmental Constraints on Cultural Conversations: A Case Study of Linguistic

Coordination in Joint Problem Solving. A multidisciplinary Approach to Reconstructing Communicative Abilities in Our Genus

The Linguistic Relativity of Synesthetic Pitch Metaphors



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Research areas/Areas of supervision	Examples of theses
<ul style="list-style-type: none">- Electrophysiology (EEG/MEG)- Sense of agency- Volition/free will- Consciousness- Machine learning	



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Research areas/Areas of supervision

- Quantitative approaches to
- Cognitive neuroscience
 - Language comprehension
 - Lateralization in brain and behavior
 - Imagery
 - Emotion & mood
 - Working memory
 - Language and space
 - Narrative comprehension
 - Music and sound processing
 - Klinefelter syndrome
 - Sex and gender differences

Examples of theses

Revisiting the Bayesian Model for Novel Word Learning

Objects as Signs – an experimental study.

Does it sound alive? - auditorily perceived cues of animacy

Dilated Pupils As an Attractor of Visual Attention: an Eye Tracking Study

Music and meaning- making. The effects of music in cross- modal domains

Beskrivelse og praktisk afprøvning af forventningsopbygning i musik og hjerne med fokus på "Mismatch Negativity" MMN

When Depression Speaks - A Computational Analysis of Quantitative Differences in Word Frequencies Between Danish Individuals with First-Episode Major Depressive Disorder and Healthy Controls



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Research areas/Areas of supervision

Meaning-making in Art and Perception

Meaning-making in Art and Language Theories of Text Types and Genres

Topics in Cognitive Linguistics/Semiotics at large

Philosophy of Mind and Theories of Consciousness

Examples of theses

Political Communication - Framing and Conceptual Metaphor (thesis is in danish)

Synthesizing Ritualized Behavior and Religious Cognition

Din Hjerne på Reklamer - Hvorfor nogle reklamebilleder er mere fængende end andre?

Morality as Purity - Studying Moral Cognition from the Perspective of Conceptual Metaphor Theory and Moral Psychology

Meaning-making in literary art: A cognitive semiotic study on simultaneous narration



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Research areas/Areas of supervision

Social interactions (free and task-oriented)

- Quantitative corpus analysis
- Experimental investigations

Language, Voice, Gesture and Movement in

- Autism Spectrum Disorders
- Schizophrenia
- Depression
- Bipolar Disorders
- Dyslexia

Language acquisition

- Corpus analysis (e.g. Childes)
- Child Directed Speech

Natural Language Processing (e.g. large corpora of transcripts, or social media)

- Speech processing
- Interactive alignment
- Sentiment analysis

Examples of theses

Børnrettelstale på dansk - En undersøgelse af de akustiske parametre

Facial emotion recognition: an experimental approach to the role of ethnicity and exposure

Automated diagnostic tools for depression: natural language processing of life histories in people with depression and controls.

Linguistic alignment: a meta-analytic approach

Meta-analysis of speech patterns in affective disorders