

Research and Education in language technology in Norway

PhD

- Recent change in structure merged several doctoral programmes into common PhD structure
- Nominally 3 year full time studies
- Includes coursework corresponding to minimum ½ year full time studies (30 credits)
- Entry requirement normally minimum B average from Masters programme
- Pass on courses require A or B.
- Thesis can be monograph or collection of published papers
- (some “old” doctoral degrees still remain, common denominators for these are:
 - No coursework
 - No timeframe
 - Individual work, no supervisori.e. not intended as programmes for training of researchers)

PhD programmes

- NTNU
 - Faculty of Arts: “Linguistics”,
 - Language and Communication Studies:
 - Computational linguistics, linguistics, phonetics
 - Faculty of Information Technology, Mathematics and Electrical Engineering:
 - Electronics and Telecommunications:
 - Speech technology
 - Computer Engineering and Information Science: Language
 - Knowledge systems, language understanding

PhD programmes

- University of Oslo
 - Faculty of arts
 - Linguistics – incl. computational linguistics, corpus linguistics, terminology, lexicography
 - Master and Bachelor degrees in Computational linguistics, Corpus linguistics
- University of Bergen
 - Faculty of arts
 - Linguistics, Computational linguistics and language technology
 - Master and Bachelor degrees in computational linguistics and language technology

Lower level degrees

- NTNU
 - Faculty of Arts: “Språkvitenskap”, Language and Communication Studies:
 - Master and Bachelor degrees in Linguistics, Phonetics
 - Bachelor programme in Language technology
 - Faculty of Information Technology, Mathematics and Electrical Engineering:
 - Master programmes in Computer science, Communication technology and Electronics all include speech and language technology options
- University of Oslo
 - Faculty of arts
 - Master and Bachelor degrees in Computational linguistics, Corpus linguistics
- University of Bergen
 - Faculty of arts
 - Master and Bachelor degrees in computational linguistics and language technology

Research

- The Research Council of Norway is funding a programme for basic language technology research, *KUNSTI*, 2001-2006 (<http://www.program.forskningsradet.no/kunsti>)
 - Main focus
 - Machine translation
 - Spoken dialogue systems
 - Also other projects
- The Research Council of Norway is most important source of funding (*KUNSTI* and other programmes), but also EU projects, some industry
- Main research environments are at the universities, SINTEF and Telenor R&D

Research

- Semantics and reasoning (Univ. Oslo, Univ. Bergen, NTNU)
- Grammar and representations (Univ. Oslo, Univ. Bergen, NTNU)
- Lexicon (NTNU, Univ. Oslo)
- Machine translation (Univ. Oslo, Univ. Bergen, NTNU)
- Phonetics (NTNU, Univ. Oslo)
- Speech synthesis (NTNU, Telenor)
- Speech recognition (NTNU, Telenor, SINTEF)
- Spoken dialogue (NTNU, Telenor, SINTEF)
- ...

Links for further information

- NTNU: http://mime.hf.ntnu.no/hf/prosjekter/spraktek_english
- University of Bergen: <http://spraktek.aksis.uib.no/>
- University of Oslo: <http://www.hf.uio.no/ilf/english>
- University of Tromsø – Sami Language Technology:
<http://giellatekno.uit.no/>
- Norwegian School of Economics and Business Administration (NHH)
<http://www.nhh.no/fsk/research-eng.htm>
- Telenor R&D: <http://www.telenor.no/fou/prosjekter/taletek/>
- SINTEF: <http://www.sintef.no>