

## Themen Seminar “Ressourcen für Computerlinguisten”

| Einordnung          | Thema                             | Tools                                                                             |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| Querying Corpora    | TIGER treebank                    | CQP and TigerSearch                                                               |
|                     | Penn Tree Bank                    | tgrep2                                                                            |
|                     | Penn Discourse Treebank           | tools by Chris Potts                                                              |
|                     | Google n-gram Corpus              |                                                                                   |
| Shallow NLP         | Tokenization und n-gram modelling | CMU oder NLTK                                                                     |
|                     | Morphologie                       | GerTwol, PC-Kimmo, Morfessor                                                      |
|                     | POS Tagging                       | TreeTagger, TnT                                                                   |
| Deep NLP            | Parsing                           | Nivre Dependency Parser, Stanford Parser, Charniak Parser                         |
|                     | deep processing                   | HPSG (LKB, PET, Heart of Gold); Semantic underspecification: Utool; CandC + Boxer |
|                     | Integration deep and shallow      | Shalmaneser, Rasp                                                                 |
| Ontologies          | Frames und thematische Rollen     | Framenet, VerbNet, WordNet, PropBank, Salsa                                       |
|                     | Knowledge bases                   | YAGO                                                                              |
| Text-to-Speech      | TTS                               | MARY TTS, Festival                                                                |
| Machine Translation | Maschinelle Übersetzung           | Moses                                                                             |