Natural Language Processing

Multimodality
- Visual Data in NLP
- Structured Data in NLP
- Speech & Audio in NLP
- Programming Languages in NLP

Natural Language Interfaces
- Dialogue Systems & Conversational Agents
- Question Answering

Semantic Text Processing
- Discourse & Pragmatics
- Knowledge Representation
- Text Complexity
- Semantic Search
- Representation Learning
- Word Sense Disambiguation
- Semantic Parsing
- Language Models
- Semantic Similarity

Sentiment Analysis
- Opinion Mining
- Stylistic Analysis
- Intent Recognition
- Emotion Analysis
- Aspect-based Sentiment Analysis
- Polarity Analysis

Syntactic Text Processing
- Tagging
- Morphology
- Chunking
- Phonology
- Text Error Correction
- Text Segmentation
- Typology
- Syntactic Parsing
- Phonetics
- Text Normalization

Linguistics & Cognitive NLP
- Linguistic Theories
- Cognitive Modeling
- Psycholinguistics

Responsible & Trustworthy NLP
- Ethical NLP
- Low-Resource NLP
- Robustness in NLP
- Green & Sustainable NLP
- Explainability & Interpretability in NLP

Reasoning
- Textual Inference
- Commonsense Reasoning
- Numerical Reasoning
- Knowledge Graph Reasoning
- Machine Reading Comprehension
- Fact & Claim Verification
- Argument Mining

Multilinguality
- Cross-Lingual Transfer
- Machine Translation
- Code-Switching
- Typology

Information Retrieval
- Indexing
- Document Retrieval
- Semantic Search
- Text Classification
- Passage Retrieval

Information Extraction & Text Mining
- Coreference Resolution
- Text Clustering
- Named Entity Recognition
- Event Extraction
- Open Information Extraction
- Term Extraction
- Text Classification
- Topic Modeling
- Summarization
- Relation Extraction

Text Generation
- Data-to-Text Generation
- Summarization
- Question Generation
- Dialogue Response Generation
- Captioning
- Paraphrasing
- Machine Translation
- Speech Recognition
- Text Style Transfer
- Code Generation