Motivation

Information overload in eLearning:
- Huge amounts of learning material
  - in different formats
  - from different sources

Goals

Explore novel applications for dynamic lexical-semantic resources such as Wikipedia
- Combination with other NLP resources

Discourse-based knowledge acquisition in eLearning
- Provide uniform access to both institutional and informal knowledge resources for eLearning
- Reduce the learner’s information overload by giving precise and short aggregated answers
- Enable human-like interactions

Methods

Integration of lexical and semantic knowledge into Question Answering systems
- Retrieval of lexical and semantic information from Wikipedia
- Combination of Wiki-knowledge with linguistically motivated resources, e.g. GermaNet

Use of institutional and Web 2.0 eLearning material as information repositories
- Re-use previous question and answer pairs found in FAQs, forums, e-mails etc.

System Architecture

Selected Publications


Funding

People

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