

Examples of topics..

Applications of IR

- ❑ Multimedia IR, Video and image retrieval, Audio and speech retrieval, Music retrieval
- ❑ Question answering, Summarization
- ❑ Cross-language retrieval, Multilingual retrieval, Machine, translation for IR
- ❑ Interactive IR (User interfaces and visualization, User studies, User models, Task-based IR, User/Task-based IR theory)
- ❑ Web IR, Intranet/enterprise search, Citation and link analysis, Adversarial IR

Examples of topics..

Techniques

- ❑ Web Crawling
- ❑ Information Extraction, Lexical acquisition
- ❑ XML and metadata retrieval, Ontology learning
- ❑ NLP processing, Language Models for IR
- ❑ Automatic building of Thesauri

Examples of topics..

Advanced ML techniques

- ☐ Feature Selection
- ☐ Similarity metrics and (structured) Kernels for IR
- ☐ Preference Learning and atypical tasks in IR
- ☐ Semi-supervised Learning for text categorization and ranking
- ☐ Classification on Structured output (e.g. hierarchies)

Main Conferences and Journals

- ☐ Conferences
 - ACM SIGIR, Special interest group on IR
 - CIKM, Conference on Information and Knowledge Management
 - ECIR, European Conference on IR
- ☐ Journals
 - Information Retrieval (Springer)
 - Information Research (Electronic)