



Improving the User Experience in the Web (2.0) with Knowledge Discovery, Information Retrieval and Social Network Analysis

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Projects Related to this Seminar



TAGora - Semiotic Dynamics in Online Social Communities (EU 6FP STREP)

- Emergent Semantics in Online Resource Sharing Systems

Social Search - Bringing the Social Component to the Web (Microsoft Research Grant)

- Combining Web Search with Folksonomies

Nepomuk - Social Semantic Desktop (EU 6FP IP)

- Knowledge Sharing on Desktop Level, Semantic Wiki, Social Network Analysis



KD^{ubiq} - A Blueprint for Ubiquitous Knowledge Discovery Systems (EU 6FP CA)

- paradigm shift from standalone to process integrated, distributed and autonomous analysis

→ Details will be given in the presentations of Andreas, Dominik & Robert

What I want to discuss at this seminar



- How can a folksonomy be “semantized”?
 - What is an adequate model for a mixture of a folksonomy with one or more ontologies?
 - How can such a model be built/learnt (semi-)automatically?
 - Which benefits for the end user can be drawn from it? And how?

- Which user experiences can be built on top of SNA techniques?
 - The input for SNA algorithms can be automated in the Web.
 - Which benefits could web users draw from SNA measures (such as centrality, shortest paths, ...)?
 - How should the user interfaces look like?

- How can the work of scientific authors be improved?
 - BibSonomy is for us *the* central system for working with literature.
 - Which features are needed to complete the whole work process (eg discussions within a group etc.)?
 - How can the analysis of its content be supported?

→ What kind of approach/system would be needed for supporting scientists in getting a quick overview of some new research domain?