

Projektarbeit / Diplomarbeit

“Metadata Alignment on the Semantic Desktop”

The research Lab Knowledge Management of the [DFKI](#) coordinates the European Project NEPOMUK – “The Social Semantic Desktop”. Vision of this project is to develop a comprehensive solution for extending the personal desktop into a collaboration environment. As part of this work, **Open Source Frameworks** are developed as a reference implementation of the Semantic Desktop, including user interfaces, databases, data integration modules, artificial intelligence tools, or a photo annotation tool.

The diploma thesis is about “Metadata Alignment”. The problem is when a topic appears in two places, and the information from both need to be merged and connected. For example, a person is mentioned both in an e-mail as sender and also as author of an article and as contact person on a webpage. Your task is to take existing algorithms from previous diploma thesis and integrate them into a running prototype. You will test different algorithms and compare them, at the end coming to an conclusion which approach is both efficient and effective.

Your prerequisites are

- You have your own homepage or show us by other means that you are capable of presenting your work.
- Basic knowledge about [Semantic Web](#)
- Java programming
- XML experience
- English in word and writing
- You start ASAP, preferred May or June 2007

What we offer

- Experience in one of the most successful EU projects
- Working together with 16 institutions across Europe
- All your results are open source
- Our previous five successful diploma thesis students can't be wrong – one of them won a price for his thesis

What you do today, will be used by the world of tomorrow.

Apply to:

Leo Sauermann

Deutsches Forschungszentrum für Künstliche Intelligenz

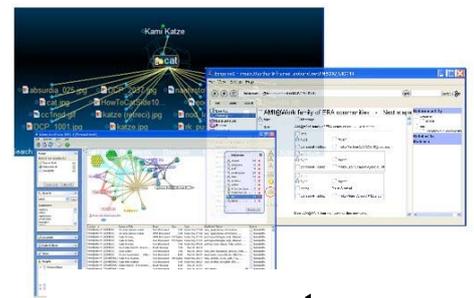
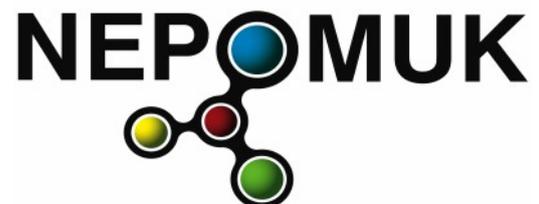
Forschungsbereich Wissensmanagement

Trippstadter Strasse 122, Raum 304

Tel.: 0631/20575-116

sauermann@dfki.uni-kl.de

The Social Semantic Desktop



connect your
knowledge