Language changes!
Want to use computer science to find out how?

Languages are evolving over time triggered by various factors like new technologies or high-impact events. Knowing about the evolution of a term can significantly decrease time needed for searching for information. Imagine making a search for St. Petersburg and not knowing that from 1914-1924 it was named Petrograd and then Leningrad. First in 1991 it changed back to Saint Petersburg. The typical user will not be aware of this complex development and thus doesn’t know why there are no documents returned for an 80 year period mentioning the city name.


L3S Research Center, under supervision of Prof. Dr. Nejdl offers a M.Sc. or Diploma thesis in the scope of the LiWA project (http://www.liwa-project.eu/). The aim of the project is to develop methods for tracking evolution in terminology and using it for search. More specifically the thesis will be to implement a user interface that can help the user to easily understand terminology evolution. This thesis requires programming skills and a sense of how to best present results to the user. Maybe even release a mobile app with the results?

Are You interested in working with data mining and search technologies? Want to be part of a research team working with a new exciting research topic and get a good start for a future career?

The tasks for the student will be:

I. Implement a high-tech user interface to display terminology evolution.
II. Make usability studies and evaluate the interface.

You should have:
- Programming skills in Java and web applications
- Interested in designing cool, user friendly features.
- Independent thinking and a willingness to learn.

Are you interested or have questions? Contact us!
Nina Tahmasebi, Email: tahmasebi@L3S.de or Thomas Risse, Email: risse@L3S.de
Forschungszentrum L3S, Appelstr. 9a, 30167 Hannover