Nowadays, current approaches to enrich and index content with semantic information work on fixed collections and knowledge bases. We will introduce the temporal aspect as a fundamental dimension for this type of enrichment, and provide dynamic models which can capture continuously evolving complex entity/event structures. Our work will provide a foundation for a novel class of evolution-aware entity-based enrichment algorithms, and considerably increase the quality of entity accessibility and temporal indexing for Wikipedia. Also, we will develop a new temporal exploratory search system which takes into account the temporal dimension, entity/event mappings, and user involvement, as well as the dynamic multi-relational graphs from Wikipedia.

Project abstract:

Nowadays, current approaches to enrich and index content with semantic information work on fixed collections and knowledge bases. We will introduce the temporal aspect as a fundamental dimension for this type of enrichment, and provide dynamic models which can capture continuously evolving complex entity/event structures.

Project duration:
01.09.2013 - 31.08.2014

Publications:

Bibsonomy show project publications:
0
Bibsonomy use tabs to list publications:
0

Members:

fisichella
gadiraju
georgescu
ceroni

Project manager:
Dr. Marco Fisichella

Research Area:
Intelligent Access to Information

Status of the Project: