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:

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Project duration:
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Publications:
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Research Area:
Intelligent Access to Information

Status of the Project: