

3. COIN-Ausschreibung „Kooperation und Netzwerke“

Projekt:

MOUVIZ - MOBILE VISUALIZATION OF SEMANTIC SEARCH ON MULTIMEDIA CONTENT

Förderungsnehmer:

playence KG

Kurzfassung

With the constant increase of bandwidth, decrease of prices for Web space, and improvement of scalability of richer data formats, the importance of multimedia contents is growing. On the Web we can observe an explosion of content mostly initiated by users of user-generated video platforms such as YouTube. A similar phenomenon can be observed within corporate settings: multimedia can transport more information thus it is used to record various activities, such as meetings, presentations, call center conversations etc. As the amount of multimedia content inexorably increases on the Web and in intranets, related search and management have become the next great challenge to enterprises.

While the uptake of multimedia contents is hampered by the lack of systems to annotate and search for such contents, mobile portable devices have become such an integral part of our daily lives that one wonders how we ever managed without them. Mobile devices have outnumbered already traditional desktop computers and will mould the view of computers future generations will have. Data services available on a mobile device range from Web access through Internet browsers, e-mail, to applications and games specifically designed for mobile phones.

From this situation, we derive the research and development challenge of the MOUVIZ project:

We aim at developing efficient means for the management of multimedia content and the provision of retrieval functionality through mobile devices understanding the completely new characteristics of mobile devices (bandwidth, limited screen size etc.) and the importance of usability and visualization.

We can identify the three core objectives of the project:

1. **Advanced and integrated multimedia search over interlinked networks of information by applying semantic technology.**
2. **Novel visualization methods for usable and comprehensive search on multimedia.**
3. **Flexible development framework for mobile application development and the provision of semantic multimedia search and visualization through mobile devices.**