

Naïve Ontology for Concepts of Time and Space for Searching and Learning

Makiko Miwa

National Institute of Multimedia Education, Japan

Noriko Kando

National Institute of Informatics

In this paper, we propose a new approach for developing naïve ontology as the basis for optimal information access interfaces for multimedia digital documents intended for novice users. In an effort to overcome limitations in the principle of literary warrant in developing ontology, we try to elicit the knowledge structure of novice searchers and patterns of its modification in their search and learn processes in order to develop naïve ontology. Using the concept of “view” as a unit of analysis, we try to capture intangible phenomena occurring only in the human mind during exploration, acquisition and processing of knowledge while seeking information on the Web.