Abstract

Today, environments of e-learning aim increasingly to give the learner an active role in learning in order to build their knowledge. They allow thereby integrating a more learner-centered vision. However, learners show differences between learning modes that suits them best. The problem posed is how to propose to the learner a teaching sequence adequate to his/her profile. This work is at the heart of this issue. It is interested in contributing on ontologies and cognitive theories to describe the learning preferences within the Intelligent Tutorial Systems (ITS). The objective of this paper is to propose a model of ITS, based on ontologies and cognitive theories, for adapting the learning resources proposed to a learner according to his/her learning preferences. The determination of these preferences is done through the analysis of learner behavior relying on his/her indicator MBTI (Myers Briggs Type Indicator). The proposed model integrates the main functionalities of an ITS: profiling, updating of the profile, selection, adaptation and presentation of adequate resources.
- B. Castello, W. Neto, O. Alvaro et F. Gauthier, Sharing and Reusing Information on Web-Based Learning, SW-EL@AH&apos;06, Dublin, Ireland, June 21-23 2006.

Index Terms

Computer Science
Information Sciences
Design of an Intelligent Tutorial System based on Ontologies

Keywords
Learner, learning style, profiling, adaptation model, ontology, MBTI, Intelligent Tutorial Systems.