**Choi, S. (2008). Implementation of an ontology-based information retrieval model in the classroom setting. *Proceedings of World Conference on Educational Multimedia*, *Hypermedia and Telecommunications*, USA, 6265-6272.**

Keywords: Information retrieval, ontology-based information retrieval, children

Choi (2008) explains that the Internet has afforded students the opportunity to search and retrieve pertinent information. Nevertheless, Choi contends that students sometimes receive irrelevant information that may overwhelm and frustrate them. However, the author contends that many documents containing the desired semantic information are not retrieved, as they do not contain keywords specified by the user.

To this end, the author proposes the use of better searching techniques for effective search and retrieval. Choi (2008) purports that users would greatly benefit from a Semantic Web to express information in a form that would allow software agents to understand and process what the terms describing the data mean.

The author maintains that ontology plays a crucial role by providing a source of shared and specific terms that can be understood and processed by machines, effectively allowing computers and people to work together. The author posits that this would effectively improve the students’ information-seeking performance compared with the existing information searching model. Consequently, the author proposes a study to analyze the effect of the ontology-based information retrieval model as a learning supplementary tool.

The author compares and contrasts the amount of relevant information sought by the ontology-based and the existing information retrieval models. Choi (2008) also examines the extent to which there is a significant difference between the relevance rate of the bookmarked documents sought by ontology-based and the existing information

retrieval method. Additionally, the perceived usefulness of the ontology-based information retrieval model in assisting students to search for information was examined. Finally, the relationship between information-searching using the ontology-based information model and students’ project products was explored. Choi concludes that the ontology-based information retrieval model helps students to effectively find information and thus better perform their projects.