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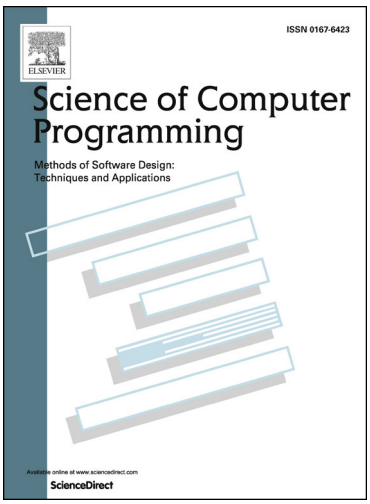

Architecture of a Concept-Based Information Retrieval System for Educational Resources

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Highlights

- The research presented in this manuscript stems from the work we have done in the context of the European FP7 project iTEC (Innovative Technologies for an Engaging Classroom). We developed a conceptbased search engine for educational resources that leverages Wikipedia as background knowledge, and the evaluation of the system with end-users in pilots was very positive. We are aware of the huge potential of concept-based document representations for Information Retrieval, Classification, Clustering, and Recommendations, among other areas of application. The following URL provides more information on the conceptbased search engine, it is an iTEC research report: http://files.eun.org/itec/del/ITECD10p4.pdf
- The manuscript that we are submitting for review aims at understanding the nature of concept-based representations, as opposed to Word-based ones.

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