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### **RESEARCH ARTICLE**

# **A HYBRID APPROACH OF QUERY EXPANSION FOR VIETNAMESE QUERY**

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*Abstract - The semantics of a user's query plays an important role in supporting an Information Retrieval (IR), which returns results closer to the user's query. However, most of user's queries sometimes do not fully reflect the semantics. Therefore, it is necessary to add semantics to the user's query. The paper presents how to add semantics into a query in Vietnamese language using a hybrid method, which combines ontology and local analysis technique, in order to expand the user's queries. In the hybrid method, ontology – based query expansion technique analyzes semantics relationships in order to determine similar noun phrases, and local analysis technique is to get the most relevant documents which are to identify the context of user's query.*

*Keywords - Vietnamese language query expansion; hybrid model of query expansion; query expansion; local analysis; ontology*

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Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201499a94.pdf>

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