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**Thesis Title:**

Peer to Peer English/Chinese Cross-Language Information Retrieval

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**Citation:**

As more and more documents written in various languages become available online, increasingly users wish to explore documents that were written in more than one language through a single query. This thesis is a study on cross-language search engine dealing with retrieving documents written in a language different from the language of the user's query. Language translation and result fusion are two challenging issues in cross-language search engine. This thesis provides new approaches to term extraction, translation selection, collection profiling and merging strategies by using web search engine. An email based peer to peer IR system is also proposed with features of easy connectivity, security, privacy and collaboration.