

COMPUTER SCIENCE SEMINAR SERIES

Department of Computer Science
City University of Hong Kong
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Web-based Question Answering System

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Date :

3 May 2007 (Thursday)

Time :

4:00pm-4:30pm

Venue :

CS Seminar Room, Rm Y6405, 6th Floor Yellow Zone, Academic Building, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong.

Abstract

Question Answering (QA) system is aimed to return an actual answer to a natural language question. Many QA system are based on a large text corpus. However, the amount of information in the text corpus is limited for finding answers for infinite questions. We build a web-based QA system which retrieves documents from the World Wide Web (WWW) using the Google search engine and then find answer passages from the web documents. We propose a passage retrieval strategy for our web-based question answering (QA) systems. It firstly analyzes the question based on semantic patterns. The relations between keywords in the question are employed in our query rewrite method for passage retrieval. The experimental result on the question set of the TREC-2003 passage task shows that our system performs well for factoid questions.

Supervisor: Dr Wenyin Liu (CS)

Research Interests: Question Answering system, Information Retrieval.

All are welcome!

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