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Ço¾ýö\ç€ (Keywords: Personalization, information retrieval, bibtex, intelligent agent.)

In this three year project we propose to

- (1) build an architecture of an agent community,
 - (2) design a high-level task specification language that can be used to describe the tasks of an agent,
 - (3) design an information retrieval agent based on the principles developed in this project.

While the first two years of the project have seen the successful completion of the first two goals, in the third year we have focused on the design and implementation of a paper retrieval agent. Our system, called BibTeX Agent, is for finding papers in computer science. It incorporates techniques in agent theory and information retrieval. By defining a model of

interactive retrieval, it provides personalized and interactive retrieval, which helps users find papers more effectively. It also uses spotlight cue and multi-dimensional methods to further ease browsing.

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($\frac{3}{4}$) Spotlight cues for browsing a search result

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(3/4) Categorical term suggestion

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($\frac{3}{4}$) On-line paper acquisition

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在個人化資訊檢索中，點選操作的
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[O]spotlight cues 3/4 這是什麼？
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3/4 結論

- [1] H. Chen and J. Hsiang, "Order-sorted equational specification and completion", submitted for publication.
- [2] Hsieh-Chang Tu, "Interactive Web IR: Focalization Model, Effectiveness measures, and Experiments." *PhD Thesis*, Computer Science and Information Engineering, national Taiwan University, 1999.
- [3] Hsieh-Chang Tu, and Jieh Hsiang, "Spotlight Cues for Agents that Assist Web Retrieval." *1999 Agent Technology Workshop*, pages 52-57.

- [4] Liwei Lu, "The Design and Implementation of Integrated User Interface for Web Browsing." *Master Thesis*, Computer Science and Information Engineering, National Taiwan University, 1998.
- [5] Shu-Hsien Liao, "Personal Category Profiles for WWW Information Retrieval." *Master Thesis*, Computer Science and Information Engineering, National Taiwan University, 1998.
- [6] Jo-li Hsiao, "The Design of a Web Paper Retrieval System." *Master Thesis*, Computer Science and Information Engineering, National Taiwan University, 1999.