Query Reformulation and Search Interface Design: An Eye-Tracking User Study

It has been recognised that people engage with different kinds of searching behaviours, but current information retrieval systems are primarily designed for specified search. Researchers have advocated “natural” search user interfaces, arguing they are easier to use and require less user training. It is however challenging to design natural interfaces because of the complexity of information problems and associated searching behaviours. This talk will describe an on-going eye-tracking study of user gaze and search behaviours when searching clinical search topics, with particular reference to the user’s attention to and use of document surrogates. This research project has been supported by the School of Information Studies Research Fellowship.

More information about Dr. Liu can be found at http://www.csu.edu.au/faculty/educat/sis/staff/profiles/Info-Studies/ying-hsang-liu

Dr Ying-Hsang Liu

is a lecturer in the School of Information Studies, Charles Sturt University. His research is concerned with people’s interactions with information retrieval systems, such as modern search engines. At a theoretical level, his research focuses on the theories of human concept formation and their implications for information access. At the applied level, he is interested in the user-centred design and evaluation of information retrieval systems. His recent research projects study the effect of individual differences on search behaviour, and the analysis of gazing behaviour for the design of more effective and pleasurable search user interfaces.

EVENT DETAILS
12:00-1:00pm
Wednesday 15 August 2012

School of Information Studies Seminar Room
Building 05
Charles Sturt University
Wagga Campus
VC Sydney, VC Canberra

Communicator: http://wsww01.csu.edu.au/vcbookings/

Bridgit username: SIS Seminar
Password: <no password required>

For additional information please contact
Dr. Paul Scifleet
Phone 02 6933 2744
Email pscifleet@csu.edu.au