

Research Notes: Support Multimedia Information Seeking with Semantic Interface and Interaction

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Abstract. This document contains my general research idea. The document will be continuously revised, changed, adapted accordingly.

1 Introduction

2 Information Seeking Theory

definition of:

information seeking needs, information seeking tasks

2.1 Theories and Concepts

major theory of information seeking
from learning perspective (Blooms learning taxonomy)
dimensions of learning
from task devison (Mellanie Kellar's work)
exploratory search
Peter Pirolli, Information Foraging Theory
Diane Kelly and Scott Mackenzie Tutorial
Alan Smeaton's presentation at SSMS07 and EESIR07

2.2 Observation

Cultural Heritage Expert Information Seeking Behavior

3 Methods for Evaluation of Searching Applications

Conventional user centric evaluation methods See tabel 3
User centric multimedia evaluation methods?

Table 1. Methods for Evaluating Search Apps.

Type	Measures	Method	Source
Fact Finding	Interface and System -Objective:Time, Error -Subjective:Usability System	SUS Recommendation? Serependity?	John Brooke
Information Gathering	Interface and System -Subjective:Engagement System		
Keeping-Up-to-Date	Interface and System System		

4 Fact Finding Interface and Interaction

related work
design
user experiment setup
experiment results
analysis
conclusion

Note: Autocompletion, Relevance feedback interface.

5 Information Gathering Interface and Interaction

related work
design
user experiment setup
experiment results
analysis
conclusion

Note: Video and Audio

6 Keeping-Up-to-Date Interface and Interaction

related work
design
user experiment setup
experiment results
analysis
conclusion

7 Other Issues

1. Trust
related work
design
user experiment setup
experiment results
analysis
conclusion

8 Conclusions

summary
contribution
future research