

# Working Sheet

- Application: *Interactive Message Board*
- Research question(s):
  - How to encourage asynchronous collaboration?
  - What type of messages people leave (audio, video, doc)?
- Participants:
  - Students*
  - public versus private display!
  - How people are accepting the fact they are recognized by the machine
- Tasks to be carried out:
  - Author/ Leave a message
    - Read/Watch message
- Experimental conditions:
  - Comparison of media used (audio, text, video)
- Outcome measures:
  - Adoption
  - Performance
  - Evolution
  - Usability

Please do not trash it yet!

## Working Sheet

- Application: Image Retrieval by sketching (ergonomic mindimg)
- Research question(s):
  - How to find relevant images to hand write drawing?
  - Can we assess the user's satisfaction?
- Participants: owners of media collections.
  - People in a meeting.
  - People working documents.
  - ~~People querying a personal photographic data collection.~~
- Tasks to be carried out:
  - 1 Sketching (ergonomics)
  - 2 Retrieval
  - 3 Validation → (feedback and refinement)
  - 4 Learning → profiles
- Experimental conditions:
  - Providing the users about his role and the nature of the meeting.
- Outcome measures:
  - Time to complete task
  - Correctness of the retrieval / precision
  - subjective satisfaction
  - Comparison with google images.



## Paper Hands

- Useful? physical interaction useful
- Facilitate the indexing + personal retrieval
- Improve sharing of data
- = (New way of presenting?)

- Review information after the meeting
- Integration of a person in the context, when she is not completely involved in the context.
- control slideshow

- reproduce meeting ; 1 participant not involved
- give presentation

- User satisfaction
- Quality of indexing (but personal)

# Working Sheet

- Application: PAPERHANDS

Interaction with paper: - annotate meeting  
- search info  
- control slideshow

- Research question(s):

x ("Physical interaction" useful?)  
x - Facilitate indexing + retrieval thanks to annotations?  
x - Improve sharing of information? (in-meeting)  
x (Acceptance of recording?)

- Participants:

- ~~xxx~~ (computer-scientists)/students/...

- Tasks to be carried out:

- Search information in-meeting (e.g. person that didn't attend the meeting since its beginning)  
- Summarize the meeting

- Experimental conditions:

- simulate a meeting: 1 participant attend later / without audio  
- participate and summarize using annotations / comparison of summaries  
    - manual summary (memory + other notes)  
    - summary using annotations

- Outcome measures:

- user satisfaction?  
- quality of annotations?  
- usability of interactive functionalities?

(Team work context)

- Just in Time Document Retrieval / personal assistant during a meeting / course / ...

- Research questions → ① ③ Improve users participation ?

- ① Usable
- ④ personal secretary
- ② user acceptance ?

extract meaningful information

②<sup>nd</sup> improve "effectiveness" of a meeting

↳ Documents

↳ emails

↳ calendar appointment

retrieval

(docs info)

- Task → { find a particular outcome in a doc.  
- find who was present in a meeting }

- outcome measures

↳ consulted documents

↳ disks

→ meeting time / participant etc  
- knowledge of subject

} meeting, course

- Experimental conditions

1. Not same batch of

2. doc.

# Working Sheet

- **Application:** just in time document retrieval during meetings, courses...
- **Research question(s):**
  - Can we improve user participation in a meeting by providing information?
  - Is it an appropriate tool for different situations (meetings, courses, teamwork, discussion)?
  - Can we facilitate users interaction // - can we improve user knowledge?
- **Participants:** - Scenario dependant, i.e. secretary, students, ...
  - Fictive - real
- **Tasks to be carried out:**
  - Group discussion
  - gathering past meeting information
  - working together towards a common objective
  - comparing assisted - not assisted group
- **Experimental conditions:**
  - Directed meeting
  - Incremental meetings
  - Meetings without participant past knowledge
  - Video analysis
  - Courses
- **Outcome measures:**
  - # of consulted documents
  - satisfaction
  - knowledge of user
  - participation of user in meetings
  - Team climate
  - Pattern in behaviour / communication

- Different views.

- Documents (txt)
- Emails
- calendar-info

# Working Sheet

- **Application:** Personal information browser, WotanEye  
Social, temporal & thematic cues to browse personal information  
Grouping information on the basis of contextual information

- **Research question(s):**

What is better? WotanEye-search or file-system-search

(Compare to google desktop)

- **Participants:**

Scenario:

- Team
- Summarize work done 2 weeks ago
- Aim: reporting

- **Tasks to be carried out:**

Problem: No personal database → how can you define a concrete task

- Finding documents
- Free explorations

- Part activity analysis
- Work analysis in teams

- **Experimental conditions:**

- calendar view
- social view (community extract<sup>o</sup> to build social networks) →

- **Outcome measures:**

Is WotanEye better: - more efficient?  
- natural?  
- satisfactory?  
- user acceptance  
- trust in results  
- acceptance of indexing of system

# Working Sheet

- Application:

Personal Information Browser (WebEye)

- Research question(s):

- (1) - Compare finding a document with WebEye vs. other sys.
  - (2) - Self-analysis of work activities (with whom did I work, when, about what topics?)
- i.e. (1) = Improve access to information | (2) = Stimulate reflection on own work activities

- Participants:

- (1) anybody
- (2) members of a team

- Tasks to be carried out:

Problem: personal info different for everyone → how to define common task?

- Work analysis in teams (2)
- Let user define tasks themselves (1)

- Experimental conditions:

Each participant's workplace

- Outcome measures:

- Task completion time / success (but on what task?)
- Satisfactory?
- Trust in the results?