

**Insight Lab: An Immersive Team Environment Linking Paper, Displays, and Data. Lange, et al. CHI. 1998.**

**What are the core research questions addressed by the work?**

- Facilitating the data analysis process through seamless interaction of computer-based technologies with objects in the environment
- Supporting team-based analysis, facilitating informal interaction, utilizing technology to improve the process, and enabling teams to use common objects including pen and paper

**What motivates the work?**

- Motivated by author's own experiences of transforming data into requirement documents
- Need for greater integration of computerized tools in supporting in-depth analysis

**How does the work understand the usage, capabilities, and limitations of paper?**

- Uses of paper by teams is well understood
  - Paper used for reading, sketching, and annotating
- Paper annotated for understanding
- Paper used to spatially display a lot of material at one time, and to easily move between documents and sections of documents

**What is the target application domain of the work?**

- Design requirement finding
  - Qualitative data analysis

**What are some proposed extensions to paper proposed by the work?**

- Creating seamless interactions between computers and paper
- Enabling access to digitized video or audio clips from a paper report
  - Associations between paper and digital resources
  - Enabling linkages to be defined
- Revealing underlying associated information
  - Mental offloading: Use of digital memory as opposed to user memory
  - Easier association of information

**How are the proposed extensions implemented?**

- Use of a barcode reader, a custom designed barcode command slate, and barcode enabled paper forms