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Incidental Information Privacy and PIM

What?

- Information incidental to the task at hand is visible within PIM systems
- Visual privacy concerns arise when personal displays can be viewed



Why?

- We have examined incidental information privacy (IIP) within web browsers
- Other PIM systems have similar concerns
- Advances in PIM systems (e.g. visualization, search functionality) can increase visual privacy concerns

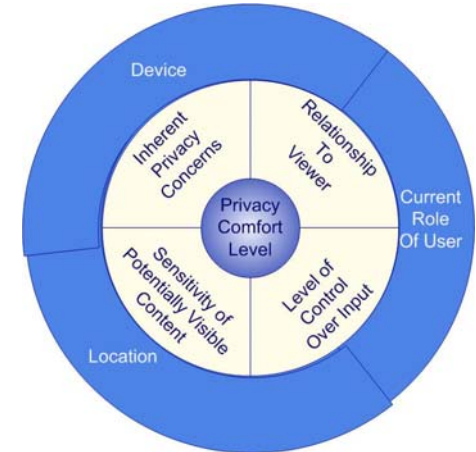
How?

- Multi-method approach
- Survey (155 people) investigated self-reported privacy concerns and allowed us to examine the dimensions of the problem
- Two field studies (20, 15 people) investigated privacy patterns within web browsers and the feasibility of different management approaches

Results

Dimensions of IIP

- 4 main dimensions impact a person's privacy comfort level in a given situation
- The environment impacts the scope of IIP concerns and the activities undertaken



Design Requirements

- Personalized approach
- Nuanced approach (beyond public/private)
- (Semi-) automated support to classify traces in PIM systems with many or rapid interactions (e.g. tags, pattern-based classification)
- Fine-grained, temporally flexible methods to classify and maintain the privacy of information items
- Visualization of what information items may appear
- Mechanisms to filter content appropriately for current viewing context