

CSCE-675 Digital Libraries: Daily Readings

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I. THE READING APPLIANCE REVOLUTION [1]

Details:

- Year: 1999
- Type: IBM Journal of Research and Development
- Affiliations: FX Palo Alto Laboratory, Inc., Palo Alto, CA, USA

Take-away points:

- Reading appliances allow people to work on electronic documents much as they would on paper. They therefore provide an alternative to the standard browse or search and then print model of reading online.
- The authors describe how, by integrating a wide variety of document activities, such as searching, organizing, and skimming, and by allowing uid movement among them, reading appliances eliminate disruptive transitions between paper and digital media.
- With XLibris they demonstrate, the combination of paperlike qualities with digital capabilities allows us to augment these activities without redefining them or radically changing the way people work.

Questions to discuss

- Why did the kindle and ipad succed compared to other devices?
- Did the environment provided around the appliance, like distribution channel, have an impact?
- How important are the features of the product?

II. READING IN THE OFFICE [2]

Details:

- Year: 2008
- Type: Proceeding of the 2008 ACM workshop on Research advances in large digital book repositories
- Affiliations: FX Palo Alto Laboratory, Inc., Palo Alto, CA, USA

Take-away points:

- Advances in technology such as touch screens, light-weight high-power computers, and bi-stable displays have periodically renewed interest in online reading over the last twenty years, only to see that interest decline to a small early-adopter community.
- The author argues that the true value of online reading lies in supporting activities beyond reading per se: activities such as annotation, reading and comparing multiple documents, transitions between reading, writing and retrieval, etc.
- He concludes that the current hardware will be successful in the long term may depend on its abilities to address the reading needs of knowledge workers, not just leisure readers.

Questions to discuss

- It is interesting how the annotations are used.
- I thought incorporating remote links as a part of the reader was very interesting.

III. INFOGALLERY: INFORMATIVE ART SERVICES FOR PHYSICAL LIBRARY SPACES [3]

Details:

- Year: 2006
- Type: JCDL '06 Proceedings of the 6th ACM/IEEE-CS joint conference on Digital libraries
- Affiliations: University of Aarhus, Aarhus, Denmark

Take-away points:

- This paper describes InfoGallery, which is a web-based infrastructure for enriching the physical library space with informative art exhibitions of digital library material and other relevant information, such as RSS news streams, event announcements etc.
- InfoGallery presents information in an aesthetically attractive manner on a variety of surfaces in the library, including cylindrical displays and floors.
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Questions to discuss

- How important is the physical locations of the info galleries?
- How can we use a similar technology in another application?

IV. TIME AS ESSENCE FOR PHOTO BROWSING THROUGH PERSONAL DIGITAL LIBRARIES [4]

Details:

- Year: 2002
- Type: JCDL '02 Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries
- Affiliations: Stanford University

Take-away points:

- The authors develop two photo browsers for collections with thousands of time-stamped digital images.
- The browsers exploit the timing information to structure the collections and to automatically generate meaningful summaries, and differ in how users navigate and view the structured collections.
- Their results show that exploiting the time dimension and appropriately summarizing collections can lead to significant improvements.

Questions to discuss

- How can a similar product be use din a different domain?

REFERENCES

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