Digital Libraries

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Digital Libraries

- ❑ Small historic overview: 5000 years of library history ;-)
- ❑ Services in Libraries
  - ▪ Everything has moved to the user:
  - ▪ From Shelves, Zettelkasten, microfiches to electronic catalogues, OPAC, online access
- ❑ Last step: self booking and return
  - ▪ Examples: Wien, Singapur, etc.
- ❑ Technologies
  - ▪ Barcodes, RFID, Comparison
  - ▪ Products
  - ▪ Manufacturers

Guest Speaker!

- ❑ Future Services?
  - ▪ Guidance, Security, Automatic Information, Spotlight Search Function, Augmented Reality

Digital Libraries

- ❑ Computer paradigms and their influence on the usage of libraries
  - ▪ Mainframes
    - Central Services (Processing, Storing, Printing)
    - Libraries: internal management, procurement, OPAC
  - ▪ PCs, Workstations, Client-Server (LAN)
    - Libraries: online research, rental systems
  - ▪ Networks
    - Web, distributed processing
    - Digital Libraries
  - ▪ Mobile Computing
    - PDAs in Libraries?
  - ▪ Ubiquitous Computing
    - Tangible Media in Libraries?

Digital Libraries

❑ ***Classification of Libraries***

- ▪ Physical Libraries
  - • Conventional libraries with physical books and other printed documents
  - • „Archive of Atoms"
- ▪ Digital Libraries
  - • Electronic information access system offering users a coherent view of a selected, organized, and managed body of information
  - • „Archive of Bits"
- ▪ Hybrid Libraries
  - • Mix of ***books and bytes***
  - • Conventional media and digitalized objects
  - • Computer, networks and databases provide new and better service
- ▪ Electronic Libraries
  - • ???