

# asis

1991 ASIS Mid-Year Meeting  
Santa Clara, California  
April 26-29, 1991



MULTIMEDIA  
INFORMATION  
SYSTEMS



## Preliminary Program

Multimedia computing promises to change the way we manage all types of information. If you manage information resources for libraries, education and training, architecture, museums, entertainment, publishing, or scientific organizations, you should attend this conference!

Microsoft chairman Bill Gates says that multimedia will be broadly used in these areas.

- Enhancing Productivity Software
- Presenting Business Information
- Providing Education and Training
- Providing Consumer Information

Other key areas for application include:

- Online help systems
- Indexing music and musical scores
- Environmental monitoring
- Documentation and preservation of photographs
- Indexing objects and artifacts
- Unconventional interfaces for the physically disabled

### ***Technology and the Wandering Scholar***

Horace Flatt, Director, IBM Science Center

### ***Recombinant Multimedia***

Steve Cisler, Apple Computer

### ***Information at Your Fingertips***

Alan Paller, AUI Data Graphics

***"I go to other meetings to speak, I come to ASIS meetings to listen."***

Patricia Earnest, Technical Services Manager, Anaheim Public Library

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**asis**

Moderator: Prudence Dalrymple,  
University of Illinois  
Esther Horne, University of North  
Texas

Robert Skovira, Robert Morris College  
Jay Wilkerson, Indiana University

"Multimedia" brings images to mind, but not necessarily the same images for all people. Varying contextual blinders limit the understanding of possibilities available. Speakers will discuss multimedia and various definitions from the perspectives of business, libraries, and education.

1:30 p.m.-3:00 p.m.

**Demonstration**  
**HyperEdition: An Exploration of Implementing Critical Editions in Hypermedia**

Peter Jorgensen, Colgate University

A multimedia exploration of "der Rosenkavalier" incorporating images of original manuscripts and scores, text at various stages of development, pictures upon which set and costume designs were based, images of diary pages, and digitized audio.

3:15 p.m.-4:45 p.m.

**Interaction with Multimedia Systems (SIG/HCI)**

Moderator: Ray Larson, University of California, Berkeley

Marky Kay Duggan, University of California, Berkeley

Ching-chih Chen, Simmons College

This session will examine the use of multimedia techniques for catalogs of library materials such as slides and music recordings and museum objects. The panelists will describe existing multimedia catalogs that incorporate digitized images, music, and interactive video, address design and implementation issues, and discuss techniques for user interaction.

3:15 p.m.-4:45 p.m.

**What Makes Good**

**Multimedia Training? (SIG/MGT)**

Moderator: Lorene Lingelbach, Berlex Laboratories

**Designing a Circulation Training Program for NOTIS Staff using the KnowledgePro Hypertext/Expert System Program**

Lloyd A. Davidson, Gilbert Krulee and Kevin Duca, Northwestern University (Project supported by the Council on Library Resources)

**Managing Hypertext-based Interactive Video Instruction Systems**

Bor-sheng Tsai, Christine Chamness and May Ying Chau, Wayne State University, Detroit MI.

**Multimedia for Library Staff Training**

Peter Stuble, Michael Leslie and Darren Umney, University of Sheffield

Can multimedia, interactive, self-paced training supplement human interaction effectively, saving time and resources leading to more productivity and efficiency? These case studies will examine these questions and more.

3:15 p.m.-4:45 p.m.

**Information Use: Contributed Papers**

**Information Seeking Behavior During Decision Making: Influence of Cognitive Authority**

Samia Benidir, University of California Berkeley

**Copyright of Large Bibliographic Databases: Implication for International Information Flows**

Jaе Whoan Lee, University of California Los Angeles

**The RightPages: An Image-Based Electronic Library Alerting and Distribution Service**

Guy Story and Louise Schaper, AT&T Bell Laboratories, NJ

**Monday, April 29, 1991**

8:00 a.m.-9:00 a.m.

**Contributed Paper**

**Heterogeneity in Information Systems: Design Implications**

Edward Pai, UCLA

The factors of form, function and format heterogeneity affect the ways information can be organized at the physical, logical and user levels. System designers encounter these problems at each level of implementation. Research on decision support systems, database management systems, hypertext and libraries offer techniques to deal with these issues.

8:00 a.m.-9:00 a.m.

**Objects and Toolkits: Contributed Papers**

**Providing Portable Multimedia Support through the Oracle Toolkit**

Robert T. Nicholson, Multimedia Development, Oracle Corporation

**An Object Storage Facility for the Hyperbook System**

Walter W. Change and Robert Nicholson, Oracle Corporation

How careful mapping of multimedia objects into persistent representations and the use of long field mechanisms can develop object storage technology to support the diverse requirements of multimedia information systems. Further, specific problems encountered in the design and implementation of a portable application program interface for implementing a graphical user interface across diverse systems will be described as well as how they were overcome.

8:00 a.m.-9:00 a.m.

**Demonstration**

**Anglo-American Cataloguing Rules, Ch 21, Choices of Access Points: A Hypercard Implementation for Beginning Cataloguing Courses**