Foreword
Committees
Panel: Government Funding for Multimedia DBMS Research and Development
The Role of Database Systems in the Management of Multimedia Information p. 4
STORM: Structural and Temporal Object-oriented Multimedia Database System p. 12
Views of Media Objects in Multimedia Databases p. 20
Synchronization Mechanisms for Distributed Multimedia Presentation Systems p. 30
Playout Management - An Integrated Service of a Multimedia Database Management System p. 38

Integrated Multimedia Object and Application Modeling Based on Events and Scenarios p. 48

An Architecture for Operating System Support of Distributed Multimedia Systems p. 56
A Multimedia Query Specification Language p. 66
A Visual Query Language for Identifying Temporal Trends in Video Data p. 74
Modeling and Querying Primitives for Digital Media p. 82
Searching and Browsing a Shared Video Database p. 90
Panel: The Role of DBMSs in the Multimedia Information Systems' Age
Improved and Optimal Adaptive Hierarchical Vector Quantization for Image Coding and Indexing p. 102
Data Placement for Continuous Media in Multimedia DBMS p. 110
A Market-Based Economic Model for Multi-Media Object Storage and Distribution p. 118
Model for Interactive Retrieval of Videos and Still Images p. 128
Structured Temporal Composition of Multimedia Data p. 136
Image Data Modeling for Efficient Content Indexing p. 143
MB[superscript +]-Tree: A New Index Structure for Multimedia Databases p. 151
Author Index p. 159
1996 Preliminary Call for Papers p. 160

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.