

PANEL: INEXPENSIVE LARGE CAPACITY STORAGE WILL REVOLUTIONIZE  
THE DESIGN OF DATABASE MANAGEMENT SYSTEMS

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As secondary storage devices increase in capacity and decrease in cost, current DBMS design philosophies become less adequate for addressing the demands to be imposed by very large database environments.

Future database management systems must be designed to allow dynamic optimization of the I/O overhead, while providing more sophisticated applications involving increasingly complex data relationships.

It is the purpose of this panel to present and discuss the potential impact that inexpensive large capacity storage devices will have on the design, implementation, management, and capabilities of future DBMSs.

Specific attention will be directed to:

Reducing the I/O Overhead and  
Increasing Application Functionality

with discussion to include:

- \* Very large distributed databases
- \* Mixing secondary storage devices with diverse performance/cost characteristics
- \* Transparent database management systems
- \* Continuous production operation with dynamic modification to system support
- \* Integration of DBMS packages.