The Third International Conference on Data Engineering

February 2-6, 1987
Pacifica Hotel
Los Angeles, California

ADVANCE PROGRAM

Sponsored by the Computer Society of the IEEE

Database Engineering is concerned with the role of data and knowledge about data in the design, development, management, and utilization of information aspects of databases, knowledge bases, and data management in general. The purpose of this conference is to continue to provide a forum for the sharing of experience, practice, and theory of automated data and knowledge management from an engineering point-of-view. The effectiveness and productivity of future information systems will depend critically on improvements in their design, organization, and management.

GENERAL SESSIONS: February 3-5, 1987

- Access Methods
- Distributed Operating Systems and Distributed Databases
- Database Design and Implementation
- Performance Evaluation
- Relationship Between Data Engineering and Software Engineering
- Architectural Support for Database Management
- Evaluating Recursive Queries
- File Structures
- Parallel Processing in Database Systems
- Object Based Systems
- Performance in Distributed Systems
- Statistical Databases
- Symbolic Processing
- Improving Concurrency in Distributed Systems
- Fault Tolerance and Correctness
- Knowledge Representations
- Resiliency in Distributed Systems
- Fault Tolerant Storage Systems
- Data Modeling
- Experiences in Data Engineering I
- Database Security Issues
- Historical Databases
- Experiences in Data Engineering II
- Engineering and Information Manufacturing Systems
- Extending the Relational Model
- CAD/CAM Systems
- Query Processing

PLENARY SESSIONS
The Adventures of a Real-World Database Machine Company, P. Neches
Uncertain Data Management, L. Zadeh
Personal Database for Personal Computers: Intelligent & Flexible Databases for Individuals, J. Kaplan
What Have We Learned?, B. Wah

TUTORIALS: February 2, 5 and 6, 1987

Monday
9:00 am-5:00 pm: Computers for Artificial Intelligence Processing, Benjamin Wah
9:00 am-5:00 pm: Real Data Engineering, Tom Gilb
9:00 am-12 noon: An Introduction To NIAM Modeling, Paul S. Thompson
9:00 am-12 noon: Reference Architecture for Distributed Database Management Systems, Saeed Rahimi
1:30 pm-4:30 pm: Distributed Database Management Principles, Saeed Rahimi
6:30 pm-9:30 pm: Automated Support Environments for Database Design, David Reiner
6:30 pm-9:30 pm: Heterogeneous Distributed Databases: Issues in Integration, Amit P. Sheth

Thursday
6:30 pm-9:30 pm: Introduction to Object Oriented Concepts: Smalltalk and Database, James Diederich and Jack Milton

Friday
9:00 am-12 noon: Logic Programming, Expert Systems and Databases, Steve Hardy
9:00 am-5:00 pm: Database Application Development Tools, S. Bing Yao

For a complete Advance Program, contact:

Data Engineering Conference
c/o Computer Society of the IEEE
1730 Massachusetts Ave., N.W.
Washington, DC 20036-1903
(202) 371-0101