

PANEL

Advanced Applications and Future Research Issues of OODBs

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Panelists:

Thomas M. Atwood (Object Design Inc.)
D. Mark Fourman (Ontologic Inc.)
Roger King (University of Colorado at Boulder)
Mary E. Loomis (Versant Object Technology)
Kunitoshi Tsuruoka (NEC)
Harry Weeks (Servio Corporation)

Recently, much attention has been focussed on Object-Oriented Database Management systems (OODBMSs) and their new application areas such as CAX applications, CIM databases, Office Information Systems, MIS applications, geographical databases, multimedia databases, very large knowledge bases, and CSCW applications. Although many research prototypes and commercial products of OODBMSs have been developed and application developments have started in many places, we have not yet seen a very successful and typical application developed by these technologies. That is, we have not yet seen MYCIN (which was a typical and successful application of expert system technologies) in the area of object-oriented databases.

In this panel discussion, we would like to discuss the following.

- Current situation of application developments by OODBMS
 - What applications have been or are being developed by using *current* OODBMSs?
 - What are advantages/disadvantages of the usage of *current* OODBMSs?
 - What are the problems in developing applications using *current* OODBMSs?
 - What are the important application areas of OODBMSs in future?
- Application development environment over OODBMS
 - What tools are provided to develop OODB applications?
 - Are the ER model or its modified versions suitable for conceptual modelling and schema design of OODB?
 - What are the 4GL for OODBMSs?
 - Should OODBMSs provide a CASE tool for persistent C++ programming environment?
 - How is the hypertext technology used for developing tools for OODBMSs?
 - What are the important research issues for application development of OODBMSs?