

OCLC Distinguished Seminar Series

May 17, 2004

The World Wide Telescope: A Prototype of the Digital Library

Jim Gray, Ph.D.

Distinguished Engineer, Microsoft's Scaleable Servers Research Group

Manager, Microsoft's Bay Area Research Center (BARC)

9:00-9:30 am
Coffee and Pastries

9:30-11:00 am
Presentation and Q&A

**OCLC Online Computer
Library Center, Inc.**
Kilgour Auditorium
6565 Frantz Road
Dublin, OH 43017-3395

You are welcome to attend this presentation.

Registering in advance allows us to plan sufficient refreshments and to alert you if for any reason the lecture needs to be rescheduled.

Please RSVP, either by email to disbrowk@oclc.org or by calling OCLC Research at (614) 764-6073, and indicating your name, affiliation, and telephone number.

Advance registration is encouraged, but not required.

As Manager of Microsoft's Bay Area Research Center (BARC), Jim Gray is working with the astronomy community to build the World-Wide Telescope, and has been active in building online databases such as TerraServer and SkyServer.

Integrating the world's astronomy data and research literature into an accessible single distributed database will result in the world's best telescope. In this endeavor, Dr. Gray has encountered many of the problems librarians have grappled with for centuries, such as curation, preservation, indexing, access, and summarization. "I don't need to tell [librarians] that the concept of a library is morphing to be an amalgam of text and data all integrated together. The Dublin Core is a major bedrock of this new library, but there are many other parts."

Jim Gray's presentation will provide an overview of the World-Wide Telescope effort from the perspective of a digital library, focusing on metadata, schema, curation, and preservation issues.

Jim Gray is a specialist in database and transaction processing. He holds doctorates from Berkeley (where he has been a McKay Fellow) and Stuttgart. He is a Member of the National Academy of Engineering, the American Academy of Arts and Science, and the National Academy of Science; a Fellow of the ACM; and Editor of the Morgan Kaufmann series on Data Management. In 1998, he received the ACM Turing Award. Jim Gray is a frequent lecturer, and often reviews application designs.

Background information:

Jim Gray:
<http://research.microsoft.com/~Gray/>

Maps available online at <http://www.oclc.org/about/headquarters/maps/>.



Distinguished Seminar Series lectures are available online as PowerPoint and MP3 files shortly after the lecture at <http://www.oclc.org/research/dss/>. Additional information about the Distinguished Seminar Series can also be found there.