

The State of Emerging Internet Technologies and the Impact on Digital Archiving

Douglas E. Van Houweling, President and CEO, Internet2 (USA)

Abstract

Information is being produced in greater quantities and shared more broadly than at any time in history. The Internet already makes it possible for almost anyone to publish text and images and share them with billions of people around the world. It is also increasingly spurring the production of video, audio and emerging digital media such as shared virtual worlds. Advanced networking technologies being explored in the Internet2 community and elsewhere will further expand this universe. How will society preserve this information and make it available to future generations? How will libraries and other repositories classify this information so that their patrons can find it with the same ease that they can locate a book on a shelf? This presentation will provide an overview of the potential impact of advanced networking on digital archiving.

Biography

Dr. Van Houweling played a major role in Internet development in the United States. He was Chairman of the Board of MERIT Network, a Michigan statewide computing network, when the National Science

Foundation awarded it responsibility for operation and management of the NSFNET national backbone in partnership with IBM, MCI and the Michigan Strategic Fund in 1987.

Van Houweling has long been active in inter-university initiatives, serving on the EDUCOM Board and playing roles in establishing numerous initiatives to establish cooperative information technology efforts among universities.

From 1984 until 1997, Dr. Van Houweling served as the Vice Provost for Information and Technology at the University of Michigan, where he was responsible for the University's strategic direction in the information technology arena.

Van Houweling came to Michigan from Carnegie-Mellon University where he was Vice Provost for Computing and Planning from 1981 until 1984. Before joining Carnegie-Mellon, Van Houweling was at Cornell University from 1970 to 1981 as Assistant Professor of Government. Starting in 1976, he took on the additional responsibilities for information technology leadership and became Director of Academic Computing and Central Computing Services in 1980.

Dr. Van Houweling received his undergraduate degree from Iowa State University and his Ph.D. in Government from Indiana University