



EMORY
LIBRARIES



OAI-ORE: The Open Archives Initiative Object Reuse and Exchange Project

1:30 p.m. Thurs., Oct. 1, 2009

Jones Room, Level 3, Robert W. Woodruff Library Building

Michael L. Nelson

Department of Computer Science, Old Dominion University, Norfolk VA

The OAI Object Reuse & Exchange (OAI-ORE) project defines a new level of web granularity: the Aggregation. An Aggregation contains one or more web resources, but can be used to model things “smaller” than a syndication feed (and thus, smaller than a website as well). Aggregations have always implicitly existed on the web, but there has not been a format for unambiguously expressing their members. For example, a book on the web can consist of many web resources: various chapters and pages, inlined images, appendices, etc. In part because we are familiar with the meme “book”, we intuitively know which web resources comprise the book and which web resources are not part of the book (e.g., links to Adobe Acrobat Reader). But even in this scenario, there are conditions that can be difficult to discern: are errata, translations and different file formats “part” of the book, or simply “related” to the book? This talk introduces the OAI-ORE Abstract Data Model and discusses how it can be used to surface implicit Aggregations to the Web.

The Speaker: Michael L. Nelson is an associate professor of computer science at Old Dominion University. Prior to joining ODU, he worked at NASA Langley Research Center from 1991-2002. He is a co-editor of the OAI-PMH and OAI-ORE specifications and is a 2007 recipient of an NSF CAREER award. In 2008, the Library of Congress named Dr. Nelson a “Digital Preservation Pioneer.” He has developed many digital libraries, including the NASA Technical Report Server. His research interests include repository-object interaction and alternative approaches to digital preservation. More information about Dr. Nelson can be found at: <http://www.cs.odu.edu/~mln/>.