The Memento Protocol and Research Issues With Web Archiving

Thursday, 2/16/17 | 11am-12pm | West Hall, W106
Speaker: Dr. Michael L. Nelson
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Abstract:
As more of our culture is encoded in the web, archiving the web becomes increasingly important. In our experience when asked about web archiving, people often respond in one of two disappointingly uninformed ways: 1) "who would be interested in old web pages?" and 2) "the Internet Archive already has every copy of every page ever created, so what's left to do?" Despite the yeoman's work of the Internet Archive and other web archives, much remains to be done. On the one hand, multiple web archives increases the chance of pages being archived and the archived content persisting longer. On the other hand, multiple web archives require coordination and integration. Developed by Old Dominion University and Los Alamos National Laboratory, the Memento Protocol allows for the integration of multiple web archives by providing a temporal dimension for HTTP. We review some of our research projects involving web archiving and the Memento Protocol.

Biography:
Michael L. Nelson is a 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, OAI-ORE, Memento, and ResourceSync specifications. 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/ and on Twitter @phonedude_mln