Distributed Computing Architectures for Digital Libraries workshop
To be held in conjunction with the
31th International Conference on Parallel Processing (ICPP2002)
Vancouver, Canada August 18-21, 2002

http://www.cs.odu.edu/~jbollen/icpp2002/

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Digital libraries (DLs) are increasingly common on the Web, providing ordered, vetted digital collections to targeted user groups. To date, much of DL research has focused on the acquisition and representation of digital objects, optimizing and personalizing user services, and interoperability efforts. Few DLs employ mirrors, much less some of the more sophisticated, non-client-server architectures found in WWW deployment, e.g. peer-to-peer systems and distributed storage architectures. Although these new architectures have been succesfully applied to a large number of Internet services, they have had little impact on DL research. Are they technically suitable for DL use, or do social and economic issues prevent their adoption?

This workshop will explore these issues as well as highlight some of the more novel DL architectures. A range of theoretical, technical, and speculative papers were sought to discuss and propose alternate DL architectures and approaches. The workshop was fortunate to receive a number of engaging papers, covering the intersection of Peer to Peer (P2P) architectures and DLs, the Open Archives Initiative (OAI), Internet2 Distributed Storage Infrastructure (I2-DSI), high performance web crawling, computationally intensive recommendation systems, distributed searching, distributed metadata registries, and security in distributed DLs.

Collectively, these papers demonstrate the engaging intersection between distributed computing and digital libraries.

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Proceedings of the International Conference on Parallel Processing Workshops (ICPPW'02)
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