CALL FOR PAPERS

Special Issue on Complex Digital Objects

The architecture of many early web-based digital libraries implicitly assumed the unit of discourse, frequently "reports" or "e-prints", would be a single (or at most a few) commonly understood application-specific file formats. Digital libraries and supporting technologies have now matured to the point where their contents are commonly no longer simple files. Complex and dynamic objects in digital libraries have emerged in response to various requirements, including: aggregation of formats, supporting files and applications; bundling metadata to aid digital preservation and provenance; creating opaque digital objects for e-commerce; and incorporating dynamic services with data.

However, these innovations may have come at the expense of simplicity, sustainability, preservation and interoperability. Does architectural complexity of digital objects lead to more or less inter-object interoperability? How have complex digital objects changed the object-repository relationship? What is the impact of object complexity on preservation, provenance and stewardship? Are complex digital objects more or less durable than atomic files? Recognizing the importance of the research in this rapidly evolving area, The Journal of Digital Libraries is organizing a special issue on “Complex Digital Objects”. The primary focus of this special issue will be on high-quality original unpublished research, case studies, as well as implementation experiences in the area of designing, deploying and maintaining digital objects.

Topics of interest include but are not limited to:

- Multimedia and non-textual objects
- Interoperability between object models
- Object dissemination and interface techniques
- Integrating metadata, data and services
- Digital object lifecycle and provenance
- Long-term preservation of digital objects
- Interaction between repositories and objects
- Object naming and linking
- Storage and management techniques
- Emerging object & repository protocols and standards, such as: OAI-PMH, OpenURL, Handles, DOIs, METS, MPEG-21, and OAIS

Instructions for submitting manuscripts:

Manuscripts must be written in English and should include a cover page with title, name and address (including e-mail address) of author(s), an abstract, and a list of identifying keywords. Please indicate that you are submitting to the special issue on security. Manuscripts must be submitted via the web site http://cimic.rutgers.edu/~jdlsi/submission/

Important Dates:

November 30, 2004  Due date for submission of manuscripts
March 31, 2005     Notification of acceptance/rejection
May 30, 2005      Due date for final version
August 31, 2005    Tentative date for publication of Special Issue
Journal of Digital Libraries (JDL)

Dr. Nabil R. Adam, Executive Editor-in-Chief, Rutgers University
Dr. Erich J. Neuhold, Editor-in-Chief, Fraunhofer IPSI
Dr. Richard Furuta, Editor-in-Chief, Texas A&M University

Advisory Board
Alfred V. Aho, Columbia U.
Daniel E. Atkins, U. of Michigan
Steve Griffin, NSF
Milton Halem, NASA
Costantino Thanos, Ist. Elaborazione
Yelena Yesha, U. of Maryland

Editorial Board
Jose Borbinha, Biblioteca Nacional
Ching-chih Chen, Simmons College
Panos Constantopoulos, U. of Crete
Gregory Crane, Tufts U.
Murilo Cunha, U. de Brasília
Andrew Dillon, U. of Texas at Austin
Dieter Fellner, Braunschweig U.
Jen-shin Hong, National ChiNan U.
Yannis Ioannidis, U. of Athens
Traugott Koch, NetLab, Lund U.
Laszlo Kovacs, MTA SZTAKI
Gary Marchionini, U. of NC
Carol Ann Peters, Ist. Elaborazione
Seamus Ross, U. of Glasgow
Rudi Schmiede, Darmstadt U.
Alan Smeaton, Dublin City U.
Terry Smith, U. of California
Ingeborg Solvberg, Norwegian U.
Shigeo Sugimoto, U. of Lib. and I.S.
Tamara Sumner, U. of Colorado, B.
Howard Wactlar, Carnegie Mellon U.
Ian Witten, U. of Waikato

Contact:
Assistant Editors-in-Chief
Ahmed Gomaa
jd@dljournal.org

Ingo Frommholz
frommholz@ipsi.fraunhofer.de

Editor of the Special Issue:
--------------------------------

Michael L. Nelson
Department of Computer Science
Old Dominion University
Norfolk, VA 23529, USA
Phone: 1-757-683-6393
e-mail: mln@cs.odu.edu
http://www.cs.odu.edu/~mln/

Herbert Van de Sompel
Research Library
Los Alamos National Laboratory
Los Alamos, NM 87545, USA
Phone: 1-505-667-1267
e-mail: herbertv@lanl.gov
http://lib-www.lanl.gov/~herbertv/

About the Journal:
---------------------
The aim of JDL is to advance the theory and practice of acquisition, definition, organization, management and dissemination of digital information via global networking. In particular, the journal will emphasize technical issues in digital information production, management and use, issues in high-speed networks and connectivity, inter-operability, and seamless integration of information, people, profiles, tasks and needs, security and privacy of individuals and business transactions and effective business processes in the Information Age.

More information about the journal can be found at http://cimic.rutgers.edu/~jdl/