

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 Brasilia
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.
Howard Wactlar, Carnegie Mellon U.
Ian Witten, U. of Waikato

Contact:

Assistants to Editors- in-Chief
Ahmed Gomaa
jdl@dljournal.org

Ingo Frommholz
frommholz@ipsi.fraunhofer.de

CALL FOR PAPERS

Special Issue on Semantic Web and Science Data Access

In most scientific disciplines today, such as earth sciences, bio-informatics, environmental science, physical sciences, medical informatics and others, scientists access a number of online sources that provide information and services in that domain. Currently available methods and capabilities for searching, locating, retrieving, querying, and integrating scientific data from multiple online sources are inadequate for scientists who still use collections of stand-alone sources. There are several efforts in progress on applying semantic web technology for data retrieval and task integration in scientific domains such as integrating Geospatial data, integrating Bio-informatics sources and services, integration of GeoSciences data, Earth Science information sources and also Medical Informatics data sources, which are all based on tailoring upcoming Semantic Web technologies to science data search and retrieval, and providing interoperability between data sources, services and programs for distributed scientific tasks.

Such efforts on providing intelligent access to large, distributed and heterogeneous collections of science data and services are a very important step in realizing the revolutionary vision of enabling collaborative science activity, such as that envisioned by the e-science and the semantic grid initiatives. Recognizing the importance of the research in this exciting new area, *The Journal of Digital Libraries* is organizing a special issue on "Semantic Web and Science Data Access". 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 pertaining to semantic integration of scientific data sources and services. We would like to especially encourage submission of description of such efforts that have been undertaken in collaboration with domain experts in the particular scientific disciplines.

Topics of interest include but are not limited to:

Search and Retrieval Requests Typical to Science Data Users
Ontologies and Science Data Access and Integration
Integrated Access to Multiple Science Data Sources and Services
Agents and Softbots for Science Data Access
Semantic Web Technologies aiding Interdisciplinary Science Activities.
Data quality, Pedigree and Provenance Issues.
Scientific Workflows
Interoperability Issues in Scientific Grid Environments

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.
Howard Wactlar, Carnegie Mellon U.
Ian Witten, U. of Waikato

Contact:

Assistants to Editors- in-Chief
Ahmed Gomaa
jdl@dljournal.org

Ingo Frommholz
frommholz@ipsi.fraunhofer.de

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 semantic web and science data access. Manuscripts must be submitted via the web site <http://cimic.rutgers.edu/~jdlisi/submission/>, which also provides formatting information and style files.

Important Dates:

December 15, 2003	Due date for submission of manuscripts
March 15, 2004	Notification of acceptance/rejection
May 15, 2004	Due date for final version
Sep 2004	Tentative date for publication of Special Issue

Editors of the Special Issue:

Naveen Ashish
USRA RIACS
NASA Ames Research Center
MS 269/3
Moffett Field, CA 94035-1000, USA
9PL, UK
Phone: 1-650-604-2822
e-mail: ashish@email.arc.nasa.gov

<http://ic.arc.nasa.gov/~ashish>

Amit P. Sheth
Department of Computer Science
University of Georgia and Semagix Inc.
415 Boyd GSRC
Athens, GA 30602, USA
Phone: 1-706-542-2310
email: amit@cs.uga.edu
<http://lsdis.cs.uga.edu/~amit/>

Carole Goble
Department of Computer Science
University of Manchester
Room 2.32 Kilburn Building
Oxford Road, Manchester, M13

Phone: 44-161-275-6195
email: carole@cs.man.uk

<http://www.cs.man.ac.uk/~carole/>

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.
Howard Wactlar, Carnegie Mellon U.
Ian Witten, U. of Waikato

Contact:

Assistants to Editors- in-Chief
Ahmed Gomaa
jdl@dljournal.org

Ingo Frommholz
frommholz@ipsi.fraunhofer.de

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/>

202 Ackerson Hall
180 University Avenue
Newark, NJ 07102

Tel: +1 (973) 353 1865
Fax: +1 (973) 353 5808

<http://www.dljournal.org>