3rd International Symposium on Information Management in a Changing World,
September 19-21, 2012, Ankara, Turkey

Symposium web site: by2012.bilgiyonetimi.net

E-Science and Information Management
(First Call for Papers)

Scope

The "3rd International Symposium on Information Management in a Changing World" (or IMCW2012), organized by the Department of Information Management of Hacettepe University, will take place in Ankara, Turkey, from 19-21 September 2012.

"E-Science and Information Management" being the main theme, IMCW2012 aims to bring together both researchers and information professionals to discuss the implications of e-science for information management. "E-Science" is defined as collaborative, networked and data-driven science. Researchers have to get access to large, distributed data sets on, say, global warming or gene sequences, and use a set of tools and technologies for data processing and information visualization. Vast amounts of data need to be collected, curated, stored, managed, and preserved to ensure perpetual access to them over the Internet.

E-Science has implications for both researchers and information professionals such as librarians and data archivists. Both groups need information management and computational skills to deal with massive data sets along with some understanding of intellectual property rights, open access and data literacy issues, among others. Few schools in the US and elsewhere are already offering graduate degrees in "E-Science Librarianship" and one is likely to come across ads of job descriptions for "cloud librarians".

As organizers, we thought this is an opportune time for IMCW2012 to review the challenges for research libraries and information professionals in the the collaborative, networked, and data intensive e-science environment. Such challenges range from developing data repositories for e-science to using digital tools for data processing and visualization, and from collection development and management to reference services and information literacy. Because IMCW2012 coincides with the 40th anniversary of the foundation of the Department of Information Management of Hacettepe University, to commemorate this event we organized an international ex libris competition with the theme "information management". The winning art works of ex libris will be exhibited during the symposium.

Main topics of the Symposium include (but not limited with) the following:

Data Management Challenges in E-Science
Data driven e-science
Data intensive research
Data science
Grids for e-science
E-Science in the cloud
Infrastructures and networks for e-science
Systems, tools and services for e-science
Data security and access control
Virtual research environments and data management
Community of practices

Data Life-cycle in E-Science
Data discovery and identification
Data curation and collection
Data presentation
Data management
Data extraction and mining
Data processing
Data retrieval
Data simulation and visualization
Data preservation

Information Discovery, Organization, and Retrieval in E-Science
Information discovery

Information representation
Information search, indexing and retrieval
Mobile information retrieval in e-science
Metadata harvesting
Metadata extraction
Metadata management
Metadata interoperability and standards
Ontology development
Ontology mapping
Mining large data sets

Information Management and E-Science
Digital data curation
Distributed collection development and management
Information management in the cloud
Developing digital information services for e-science
Mobile information services for e-science
Long term preservation of and access to data
Semantic information management

Information Architecture for E-Science
Information architecture and web design for e-science
Designing usable e-science web sites
Information usability
Interaction design for e-science web sites
Information visualization tools

Education for Information Management and E-Science
E-Science librarianship
Data curation education
Cloud librarians
Information stewardship
Biomedical informatics
Environmental informatics
Bioinformatics
Digital humanities, arts and e-social sciences
Support services for researchers, students and general public
Life-long learning and e-science
Information literacy for e-science

Scholarly Publishing, Open Access and Digital Repositories in E-Science
Scholarly publishing process in e-science
E-publishing in e-science
Open science
Open access to publicly funded scientific information
Data warehouses
Digital libraries
Federated databases
European Infrastructure for e-Science Digital Repositories (e-SciDR)

Digital Preservation of Scientific and Cultural Heritage
Digitization of scientific and cultural heritage
Digital science museums and digital exhibitions
Digitization of 2-D and 3-D scientific and cultural heritage objects
Digital re-discovery of culture
The European Digital Library, Europeana
Permanent archiving of digital scientific and cultural heritage

Social and Cultural Issues and E-Science
Digital information policies
E-governance and e-science
Intellectual property rights
Digital rights management
Legal and cultural issues

Value of information (VOI)
Information quality standards

In addition to papers, short papers (pecha-kucha), posters, workshops and panels on e-science and information management, general papers on information management are also welcome. Student papers and posters will also be considered. Please use the template available in the Symposium web site to prepare your contributions and proposals, and send them to us using the Conference Management Software (openconf). Accepted papers and posters will appear in the proceedings book to be published by Springer under its CCIS series (pending) and the Symposium web site.

Important Dates

First Call: July 2011
Second Call: October 2011
Third Call: December 2011
Last date to send papers and posters: 23 January 2012
Authors notification: 19 March 2012
Final papers submission and registration: 07 May 2012
Symposium: 19-21 September 2012

All suggestions and comments are welcome. Please send us your ideas about possible invited speakers at sempozyum@bilgiyonetimi.net.

Looking forward to your contributions to and participation in the Symposium.

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