

Russian Foundation for Basic Research  
Joint Institute for Nuclear Research  
Institute of Informatics Problems of the Russian Academy of Sciences  
Moscow ACM SIGMOD Chapter

**Tenth Anniversary of All-Russian Scientific Conference RCDL'2008  
“Digital Libraries: Advanced Methods and Technologies, Digital Collections”**

**First announcement and call for papers**

Dubna, October 12-16, 2008

<http://rcdl2008.jinr.ru>

**The Conference is open for international participation**

**Objective**

Digital Libraries (DL) is a field of research and development aiming to promote the theory and practice of processing, dissemination, storage, search and analysis of various digital data. Digital Libraries acting as knowledge depositories can be considered as complex information systems, development and use of which require solution of numerous scientific, technological, methodological, economic, legal and other issues. Digital Libraries technologies are rapidly developing. Challenges in semantics, integration of information, perception and presentation of various kinds of data call for significant innovations. Development of Digital Libraries technologies is becoming more and more essential for raising of the standards of health care, education, science and economy, as well as the quality of life on the whole. Projects devoted to generation of the digital form of the information concerning the Earth, Universe, Literature, Art, Environment and Humans, accumulated by the humanity, are examples of the intensive development of global information repositories.

RCDL'2008 is the tenth conference on this subject (1999 – St. Petersburg, 2000 – Protvino, 2001 – Petrozavodsk, 2002 – Dubna, 2003 - St. Petersburg, 2004 – Puschino, 2005 – Yaroslavl, 2006 – Suzdal, 2007 – Pereslavl-Zalessky). Information about the conferences is available at <http://www.rcdl.ru>. The principal objective of the series of conferences is to promote the constituting of a community of Russian experts involved in researches related to digital libraries. The Conference offers such a community an opportunity to discuss ideas and outcomes and to make contacts for closer cooperation. The Conference also promotes the study of international experience, development of the international cooperation on Digital Libraries. In view of this, papers describing the advanced directions of research and development are welcome. Much attention will be paid to pilot applications and digital collections developed under RFBR projects on digital libraries. It is planned to organize a round table (or a panel) discussion dedicated to ontological modeling.

Participation of researchers from Europe and USA is expected. This will provide for international information interchange and contacts for cooperation

**Topics**

1. Models and standards for information and metainformation representation (including thesauri and ontologies) in DL
2. Ontological modeling features
3. Automatic classification of information
4. Methods and tools for data search, discovery, retrieval and analysis in DL
5. Access to distributed and heterogeneous digital collections: interoperability, scalability, relevant information discovery, metainformation integration
6. Open architectures for digital information environments
7. Mobile technologies and agents in DL context
8. Scientometrics studies in DL for e-science
9. Human aspects of DL (user interfaces, user behavior, personalization, data visualization (rendering) and analysis, intellectual property, user communities)
10. Analysis and processing of the natural languages, images, video-, audio- and other data
11. Multilingual data access and multilingual data service
12. DL prototypes and digital collections for science, education, culture, health care and management. DL evaluation: models, methods, results

13. Digital collections in traditional libraries, museums, archives, information centers
14. Advanced technologies of digital collection generation, storage and system maintenance
15. Digital collection cataloging, indexing, referencing, maintenance of integrity and consistency
16. DL security and information protection
17. DL and GRID technologies

The Conference Proceedings will be published as a collection of texts of full accepted papers, short presentations and abstracts of posters as well as in electronic form at the Conference Web-site.

### **Dates and venue**

The Conference will be held on **October 12-16, 2008** at the Joint Institute for Nuclear Research ([JINR](#)), Dubna, Russia. [Dubna](#) is a quiet and pleasant town 130 km north of Moscow on the picturesque banks of the Volga river. There is a [railway](#) and bus communication between Dubna and Moscow. Detailed information about Dubna can be found at <http://www.dubna.ru/english/>

### **Paper submission**

The Conference languages are Russian and English. Extended abstracts and papers can be presented in any of the languages. The Program Committee expects submission of original papers, not published earlier. Extended abstracts of papers should be submitted to the Program Committee in Russian or English language in an electronic form (in PDF or RTF form) through the Conference site from December 2007.

The size of extended abstracts should not be less than 2000 words. Abstracts should provide quite a complete exposition of the paper content, include the references to the publications and/or the Internet resources.

When submitting extended abstracts, authors should specify to what of the basic topics of this Conference their contribution is related. It is possible to specify several suitable topics from the listed above.

The selection of papers to the Conference will be provided by the program committee after reviewing the texts of extended abstracts. The program committee can accept work as a short article (2000 - 3000 words) if it contains interesting results, but does not look sufficient for publication as a full-text article.

The accepted presentations should be issued in accordance with the rules that will be available at the Conference site.

At least one of the co-authors of the accepted work should be registered for participation at the Conference and present the paper.

### **Best student's contributions**

The best contributions presented by students or post-graduate students will be awarded.

### **Important deadlines**

1. Submission of extended abstracts: April 15, 2008
2. Applications for organization of relevant workshops are accepted till April 21, 2008
3. Authors of papers will be notified on the status (accepted / not accepted) till May 25, 2008
4. A full text of the accepted papers ready for the publication in the Proceedings should be presented by July 1, 2008

### **Organizing committee**

**Chairman** – Sissakian Alexey, Corresponding Member of RAS, Director of JINR

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