



Russian Academy of Sciences
Russian Foundation for Basic Research
Voronezh State University (VSU)
Institute of Informatics Problems of RAS
Moscow ACM SIGMOD Chapter

XIII All-Russian Scientific Conference RCDL'2011
“Digital libraries: Advanced Methods and Technologies, Digital Collections”

Voronezh, October 19 – 22, 2011

<http://rcdl2011.vsu.ru>

The Second Announcement

Conference is open for international participation

RCDL'2011 is the thirteenth conference in the series of All-Russian scientific conferences “Digital Libraries: Advanced Methods and Technologies, Digital Collections”. Hundreds of scientists from the leading scientific centers of Russia, Austria, Germany, Greece, Italy, New Zealand, the USA, Ukraine and other countries have taken part in the RCDL conferences over the period of 12 years.

Traditionally, Russian Information Retrieval Evaluation Seminars - ROMIP (<http://romip.ru>) are held together with RCDL.

Aims of the Conference

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 solutions of numerous scientific, technological, methodological, economic, legal and other issues. Digital Library 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 standards of health care, education, science and economy, as well as the quality of life on the whole. Projects devoted to the generation of a digital form of the information concerning the Earth, Universe, Science, Literature, Art, Environment and Humans, accumulated by the humanity, are examples of the intensive development of global information repositories.

Information about previous eleven RCDL conferences (1999 – St.-Petersburg, 2000 – Protvino, 2001 – Petrozavodsk, 2002 – Dubna, 2003 – St.-Petersburg, 2004 – Pushchino, 2005 – Yaroslavl, 2006 – Suzdal, 2007 – Pereslavl-Zalessky, 2008 – Dubna, 2009 – Petrozavodsk, 2010 - Kazan) you can find at <http://www.rcdl.ru/>.

The principal objective of the series of the conferences is to promote the constituting of a community of Russian experts involved in research 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, the development of the international cooperation on Digital Libraries. That is the reason why we especially welcome papers describing the advanced directions of research and development. Young authors or co-authors of the projects, presented on the Conferences, can ask for RFBR support in the framework of the annual [contest “mob 3 ros”](#) (participation of young scientists in scientific procedures, held in Russia). Within the scope of organized conference RCDL'2011, as well as the previous conference, the workshop "Doctoral Research on Information Technologies Related with Digital Libraries" is planned, on which authors of the works selected on the basis of preliminary reviewing will be given the possibility to present current results of the researches, and also to discuss their strengths and weaknesses with more experienced colleagues. The best talks of the workshop will be recommended for publishing in journals certified by the State Commission for Academic Degrees and Titles (VAK).

Considerable attention in the RCDL subject is devoted to practical projects where complicated tasks are solved. RCDL places much focus on the researches aimed to generate Very Large Digital Libraries (VLDL), including application of service-oriented and grid-oriented architectures, maintenance of their quality, promotion of VLDL interoperability and sustainability, development of VLDL management models. The special interest is given to the application of modern scientific approaches in the context of high loads: hundreds of thousands of users, tens of gigabytes of data, terabytes of traffic.

The RCDL program traditionally includes tutorials devoted to the analysis of up-to-date state in the related areas. The significant RCDL aim is to attract young scientists and students to work on advanced problems in this sphere: we try to organize informal opinion exchange between the

representatives of science, higher school and industry. The best RCDL papers, submitted by students or postgraduates, will be awarded.

We expect the participation of researchers from Europe and USA, which would contribute to the international information exchange and cooperation.

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

Research papers in Russian or English proposing new scientific results are planned to be published as an electronic conference proceedings on the site *CEUR Workshop Proceedings* widely used for publishing of international workshop proceedings. The best conference papers will be recommended for publishing in journals certified by the State Commission for Academic Degrees and Titles (VAK). Poster session assumes preliminary oral short talks presented by the authors.

Conference topics include the following guidelines and developments in digital libraries:

1. Methods and models for information representation and interaction.
2. Metadata, ontologies and instruments for information representation.
3. Perspective infrastructures of digital libraries, digital libraries in grid-sphere and cloud computing.
4. Virtual mediums for scientific investigations.
5. Social nets and digital libraries.
6. Instrumental methods of digital libraries and digital collections creation.
7. Methods and technologies of working with text, multimedia and semistructured information.
8. Digital archiving, preservation and curation.
9. Personalization in digital library systems.
10. Interoperability and fusion of information.
11. Scientometric measuring in digital libraries.
12. Information security.
13. User interface, human element.
14. Digital libraries in science, education, culture, medicine, economics and cultural heritage.
15. Technology standards of digital libraries.

Dates and venue

RCDL conference will be held on October 19 - 22, 2011 in Voronezh on the basis of the Voronezh State University. Voronezh is the capital of the Voronezh region located in the European part of Russia, at a distance of 470 km from Moscow. It was founded in 1585 and began to progress after establishing of the Voronezh Admiralty according to a decree of Peter the Great, where the first regular Russian fleet was built in 1696. The city is one of the largest industrial and educational centers of the country. Nowadays more than 127 thousand students are educated in 37 institutes of higher education and 53 colleges. Particularly about 22 thousand students and 1500 postgraduates are educated at 17 departments of the Voronezh State University under the supervision of 1500 professors and teachers. Voronezh has regular railway and aircraft service with most of big cities of the Russian Federation.

Paper submission

The Conference languages are Russian and English. Extended abstracts and papers can be presented in any of these languages. The Program Committee expects the *original* papers, not published earlier and having a *research origin*. Extended abstracts of papers should be submitted to the Program Committee in an electronic form (as PDF or RTF document) through the Conference site.

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

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

The selection of papers for 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 the participation at the Conference and present the paper.

Program committee

Co-chairmen

Leonid Kalinichenko – Institute of Informatics Problems of RAS
Alexander Sychev – Voronezh State University
Sergey Stupnikov – Institute of Informatics Problems of RAS

PhD Workshop Chairman

Sergey Kuznetsov – Institute of System Programming of RAS

Members of the Program Committee

Mark Akoev – Ural Federal University, Russia
Alexander Antonov – Galaktika Soft, Russia
Arkady Avramenko – Pushchino Radio Astronomy Observatory, RAS, Russia
Jose Borbinha – Lisbon University of Technology, Portugal
Pavel Braslavsky – Yandex Ltd., Russia
Boris Dobrov – Research Computing Center of Moscow State University, Russia
Alexander Elizarov – N. G. Chebotarev Research Institute of Mathematics and Mechanics, Russia
Alexander Fazliev – Institute of Atmospheric Optics of SB RAS, Russia
Anatoly Fedotov – Novosibirsk State University, Russia
Maxim Gubin – Ask.Com IAC Search&Media, USA
Mikhail Kogalovsky – Market Economy Institute, RAS, Russia
Thomas Krichel – Long Island University, USA
Sergey Kuznetsov – Institute for System Programming, RAS, Russia
Efim Kudashev – Institute of Space Research, RAS, Russia
Dmitry Lande – Information centre "Elvisti", Ukraine
Vladimir Lapshin – Institute of Linguistics, Russian State University for Humanities, Russia
Olga Lavrenova – Russian State Library, Russia
Henry Lezin – Institute of Economics and Mathematics, RAS, Russia
Vladimir Litvine – California Institute of Technology, USA
Nataly Lukashevich – Research Computing Center of Moscow State University, Russia
Oleg Malkov – Institute of Astronomy, RAS, Russia
Alexander Marchuk – A. P. Ershov Institute of Informatics Systems, RAS, Russia
Genis Musulmanbekov – Joint Institute for Nuclear Research, Russia
Evgeniy Negulyaev – Ural State University, Russia
Igor Nekrestyanov – Saint-Petersburg State University, Russia
Dmitry Paley – P. G. Demidov Yaroslavl State University, Russia
Sergey Parinov – Central Institute of Economics and Mathematics, RAS, Russia
Vladimir Pleshko – ErSiO Ltd., Russia
Galina Proskudina – Institute of Software Systems, NAS, Ukraine
Andreas Rauber – Vienna University of Technology, Austria
Alexander Rogov – Petrozavodsk State University, Russia
Kurt Sandkuhl – Jönköping University, Sweden
Ilya Segalovich – Yandex Ltd., Russia
Vladimir Serebryakov – A. A. Dorodnitsyn Computing Center, RAS, Russia
Vladislav Shirikov – Joint Institute for Nuclear Research, Russia
Nikolay Skvortsov – Institute of Informatics Problems, RAS, Russia
Vladimir Smirnov – Yaroslavl State University, Russia
Alexey Ushakov – Santa Barbara University, California, USA
Vladimir Vdovitsyn – Karelian Research Centre, RAS, Russia
Vyacheslav Wolfengagen – Moscow Engineering Physical Institute, Russia
Victor Zakharov – Institute of Informatics Problems, RAS, Russia
Olga Zhelenkova – Special Astrophysical Observatory, RAS, Russia
Oleg Zhizhimov – Institute of Computational Technologies, Siberian Branch of RAS, Russia
Sergey Znamensky – Program System Institute, RAS, Russia

Organizing committee

Co-chairmen

Eduard Algazinov – Dean of Computer Science Faculty, Voronezh State University
Alexander Tolstobrov – Head of Informatization Department, Voronezh State University

Members of Organizing Committee

Alexander Elizarov – Kazan Federal University
Vladimir Vdovitsyn – Karelian Scientific Centre
Victor Zakharov – Institute of Informatics Problems of RAS
Veronica Garshina – Voronezh State University
Andrey Koval – Voronezh State University
Alexander Krylovetsky – Voronezh State University
Stanislav Protasov – Voronezh State University
Ilia Safonov – Voronezh State University

Steering committee of RCDL conference

Chair: Kalinichenko Leonid (Moscow)

Members of steering committee:

Arkadiy Avramenko (Pushchino)
Alexandr Antopolsky (Moscow)
Pavel Braslavsky (Yekaterinburg)
Vladimir Vdovitsyn (Petrozavodsk)
Alexander Elizarov (Kazan)
Victor Zakharov (Moscow)
Mikhail Kogalovsky (Moscow)
Sergey Kuznetsov (Moscow)
Alexandr Marchuk (Novosibirsk)
Igor Nekrestyanov (St.-Petersburg)
Yury Smetanin (Moscow)
Vladimir Smirnov (Yaroslavl)
Vladislav Shirikov (Dubna)

ECDL/RCDL coordination

Andreas Rauber, Leonid Kalinichenko

Contacts on organization questions

Alexander Krylovetsky (phone +7 4732304639)
E-mail: rcdl2011@sc.vsu.ru

Postal address:

Voronezh State University, 394006, Universitetskaya square, 1, Voronezh, Russia

Conference web-site: <http://rcdl2011.vsu.ru>

Important dates

1. The submission deadline for extended abstracts, at least 3 – 5 pages including references, in **Russian or English** is **May 3rd, 2011**.
2. The deadline for applications of tutorials and co-located workshops is **April 1st, 2011**.
3. Authors of papers will be notified on the status (accepted / rejected) before **June 1st, 2011**.
4. The deadline for submission of the full text of accepted papers ready for publication in the Conference Proceedings is **July 1st, 2011**.