

Russian Academy of Sciences
Russian Foundation for Basic Research
Karelian Research Center of the Russian Academy of Sciences
Institute of Applied Mathematical Research
Petrozavodsk State University
Institute of Informatics Problems of the Russian Academy of Sciences
Moscow ACM SIGMOD Chapter

XI All-Russian Scientific Conference RCDL'2009 "Digital Libraries: Advanced Methods and Technologies, Digital Collections"

Petrozavodsk, September 17 – 21, 2009

<http://rcdl2009.krc.karelia.ru>

The First Announcement

The deadline for extended abstracts: April 15th, 2009

The Conference is open for international participation.

RCDL'2009 is the eleventh 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 Austria, Germany, Greece, Italy, New Zealand, Russia, the USA, Ukraine and other countries have taken part at the RCDL conferences over the period of 10 years.

Traditionally, Russian Information Retrieval Evaluation Seminars - ROMIP (<http://romip.ru>) are held together with RCDL. In 2009 the RCDL conference is planned to co-locate not only with ROMIP Seminars but also with the 3rd Russian Summer School for Young Scientists in Information Retrieval - RuSSIR'2009 (<http://romip.ru/russir>). During RuSSIR'2009 leading Russian and foreign scholars would give survey lectures about the important issues of the development of digital data retrieval methods for basic and applied problems solving.

Conference Objectives

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. 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, Literature, Art, Environment and Humans, accumulated by the humanity, are examples of the intensive development of global information repositories.

The information about the first ten RCDL conferences (1999 – St. Petersburg, 2000 – Protvino, 2001 – Petrozavodsk, 2002 – Dubna, 2003 - St. Petersburg, 2004 – Puschino, 2005 – Yaroslavl, 2006 – Suzdal, 2007 – Pereslavl-Zalessky, 2008 – Dubna) can be found at <http://www.rcdl.ru/en/>.

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 papers describing the advanced directions of research and development are especially welcomed. Young authors or co-authors of the projects, presented at 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). Taking into consideration the fact that RCDL'2009 and RUSSIR'2009 would be co-located, special measures to involve young participants of RUSSIR'2009 to the active attendance of RCDL'2009 are planned. More information about such measures will be published at the RCDL'2009 site.

Considerable attention in the RCDL agenda is devoted to practical projects solving complicated problems. RCDL places much focus on the researches aimed to develop 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 an up-to-date state in one of the related areas. The significant RCDL aim is to attract young scientists and students to work on actual problems in this sphere: informal opinion exchange between the representatives of science, higher school and industry is planned. The best RCDL papers, prepared 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.

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

1. Methods and models for information representation.
2. Metadata, ontologies and instruments for knowledge representation.
3. Perspective infrastructures of digital libraries, digital libraries in grid-environment.
4. Virtual research environments.
5. Social nets and digital libraries.
6. Tools for digital libraries and digital collections creation.
7. Methods and technologies of working with text, multimedia and semistructured information.
8. Information preservation methods and digital archives.
9. Interoperability and integration of information.
10. Scientometrics in digital libraries.
11. Information security.
12. User interfaces, human factors.
13. Digital libraries in science, education, culture, medicine and economics.
14. Technology standards of digital libraries.

Dates and venue

The Conference RCDL will be held on September 17-21, 2009, in Petrozavodsk, in the quarters of the Karelian Research Center of the Russian Academy of Sciences and the Petrozavodsk State University. Petrozavodsk (<http://ptz.ru>) is situated on a picturesque shore of Onego Lake. The RCDL cultural program includes the visit to the world-wide known open air museum "Kizhi" (1714). There is a regular railway communication between Petrozavodsk and Moscow as well as between Petrozavodsk and St. Petersburg. To find more information about Karelia please visit the Conference website (<http://rcdl2009.krc.karelia.ru/section.php?id=22>).

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. Extended abstracts of papers should be sent to the Program Committee in Russian or English language 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 literature and/or the Internet resources.

When submitting extended abstracts, authors should specify to which from 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 the participation at the Conference and present the paper.

Program Committee

Co-chairs:

Vladimir Vdovitsyn – Karelian Research Centre, RAS, Russia
Mikhail Kogalovsky – Market Economy Institute, RAS, Russia

Members:

Arkady Avramenko – Pushchino Radio Astronomy Observatory, RAS, Russia
Alexander Antonov – Galaktika Soft, Moscow, Russia
Yury Bogoyavlensky – Petrozavodsk State University
Jose Borbinha – IST / INESC-ID
Pavel Braslavsky – Institute of Engineering Science, Ural Branch of RAS, Russia
Boris Dobrov – Research Computing Center of Moscow State University, Russia
Anatoly Fedotov - Novosibirsk State University, Russia
Maxim Gubin – Ask.Com IAC Search&Media, USA
Leonid Kalinichenko – Institute of Informatics Problems, RAS, Russia
Hannes Kulovits – Vienna University of Technology
Olga Lavrenova – Russian State Library
Vladimir Litvine – California Institute of Technology, USA
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
Igor Nekrestjanov – Saint-Petersburg State University, Russia
Dmitry Paley – P.G. Demidov Yaroslavl State University, Russia
Vladimir Pleshko – OOO "ErSiO"
Galina Proskudina – Institute of Software Systems, NAS Ukraine
Andreas Rauber – Vienna University of Technology, Austria
Alexander Rogov – Petrozavodsk State University
Ilya Segalovich – Yandex Ltd, Russia
Vladimir Serebryakov – A.A. Dorodnitsyn Computing Center, RAS, Russia
Vladislav Shirikov – Joint Institute for Nuclear Research, Russia
Vladimir Smirnov – Yaroslavl State University, Russia

Ingeborg Torvik Solvberg – Norwegian University of Science and Technology

Vyacheslav Wolfengagen – Moscow Engineering Physical Institute, Russia

Victor Zakharov – Institute of Informatics Problems, RAS, Russia

Oleg Zhizhimov – Institute of Computational Technologies, Siberian Branch of RAS, Russia

Sergey Znamensky – Program System Institute, RAS, Russia

The list of Program Committee members can be extended.

Organizing committee

Chair: Vladimir Mazalov – Director of the Institute of Applied Mathematical Research (IAMR) of Karelian Research Center (KarRC) of the Russian Academy of Sciences

Members:

Natalia Lugovaya – IAMR KarRC RAS, scientific secretary of the conference
Andrey Pechnikov – IAMR KarRC RAS
Alexander Rogov – Petrozavodsk State University
Kseniya Rogova – Petrozavodsk State University
Natalia Ruzanova – Petrozavodsk State University
Anatoly Sorokin – IAMR KarRC RAS
Vladimir Vdovitsyn – Karelian Research Centre, RAS
Victor Zakharov – Institute of Informatics Problems, RAS

Steering committee of the RCDL conferences

Chair: Leonid Kalinichenko – Institute of Informatics Problems, RAS (Moscow)

Members:

Arkady Avramenko (Pushchino)
Alexander Antopolsky (Moscow)
Pavel Braslavsky (Ekaterinburg)
Mikhail Kogalovsky (Moscow)
Alexander Marchuk (Novosibirsk)
Igor Nekrestjanov (Saint Petersburg)
Vladislav Shirikov (Dubna)
Yury Smetanin (Moscow)
Vladimir Smirnov (Yaroslavl)
Vladimir Vdovitsyn (Petrozavodsk)
Victor Zakharov (Moscow)

Coordination of ECDL/RCDL

Andreas Rauber, Leonid Kalinichenko

Contacts for organization issues

Natalia Lugovaya – scientific secretary of Organizing committee tel. (814 2)76-63-12 (33)

E-mail: nataly@krc.karelia.ru

Postal address:

Institute of Applied Mathematical Research, KarRC, RAS
185910, Russia, Petrozavodsk, Pushkinskaya st., 11
Conference website: <http://rcdl2009.krc.karelia.ru/>

Important dates

1. The acceptance deadline for extended abstracts, at least 3-5 pages including references, in Russian or English is **April 15th, 2009**.
2. The deadline for applications for organization of relevant workshops is **April 1st, 2009**.
3. Authors of papers will be notified on the status (accepted / rejected) **before June 15th, 2009**.
4. The deadline for submission of the full text of accepted papers ready for publication in the Conference Proceedings is **July 5th, 2009**.
5. Participant registration is open **until September 1st, 2009**.