

# RCDL-2014 Conference Preliminary Program

## TUTORIALS

### 1. Serebriakov V.A.

Semantic digital libraries. What is it?

### 2. Parinov S.I.

International Professional Association of Research Information System Specialists euroCRIS and its Main Product CERIF

### 3. Chernov S.

Social Networks meet Social Science

## SESSION 1. STORAGE, INTEGRATION AND ANALYSIS OF BIG DATA

### Korenkov V.V., Nechaevskiy A.V., Ososkov G.A., Pryahina D.I., Trofimov V.V., Uzhinskiy A.V.

Simulation of Grid and Cloud Services as the Means of Improvement of Their Development Efficiency

### Kalinichenko L., Shanin I., Taraban I.

Methods for Anomaly Detection: a Survey

### Vovchenko A., Kalinichenko L., Kovalev D.

Programming of the Entity Resolution and Data Fusion Methods while Implementing ETL in the Hadoop Environment

## SESSION 2. SEMANTIC WEB, LINKED OPEN DATA

### Malakhov D., Serebriakov V., Teymurazov K., Shorin O.

Semantic Integration of Bibliographic Records

### Ataeva O.M., Serebryakov V.A.

Personal Digital Library Libmeta as an Integrating Environment for Linked Open Data

### Bezdashny A.A., Bezdashny A.N., Serebryakov V.A.

Model of Semantic Personal Information Management System

## SESSION 3. LINGUISTIC RESOURCES, METHODS OF THEIR PRODUCTION

### Ustalov D.

NLPub: a Catalogue and a Community for Russian Linguistic Resources

### Loukachevitch N.V., Chetviorkin I.I.

Refinement of Russian Sentiment Lexicons Using RuThes Thesaurus

### Lande D.V., Snarskii A.A., Jagunova E.V.

Network of Natural Hierarchies of Terms of News Messages on the "Euromaydan" Events

### Boikov V.N., Zakharov V.E., Karyeva M.S., Sokolov V.A.

On the Automatic Structuring of the Thesaurus for an Open Information-Analytical System

### Barakhnin V.B., Lukpanona L.Kh., Solovyev A.A.

The Algorithm for Synthesis of the Wordforms of Kazakh Language Using Inflexional Classes

## SESSION 4. METADATA AND ONTOLOGIES

### Kogalovsky M.R., Parinov S.I.

Scientific Communications Based on Digital Libraries with Tools for Online Declaration of Semantic Relationships

### Voronina S.S., Privezentsev A.I., Tsarkov D.V., Fazliev A.Z.

Clear-cut Distinction Between Domain Ontological Representations

### Kostin V.V.

Analysis of Semantic Ontologies that Describe Scientific Publications and Research Activities

### Mokerov V.O.

MS Dynamics AX ERP System Maintenance Using a Knowledge Base

### Zykin S.V., Mosin S.V., Poluyanov A.N.

Technology of Multidimensional Data Formation

## **SESSION 5. SEMANTIC PROCESSING OF FULL-TEXT RESOURCES**

**Nikitin Yu.V., Khoroshilov Alexander A., Khoroshilov Alexei A.**

Methods for Automatic Construction of a Formalized Representation of the Contents of Electronic Mass Communication Materials to Solve the Problem of Monitoring and Assessment of Authorities

**Markova N.A.**

Formalization of the Fact-like Propositions in Specific Historical Studies

**Artemova G., Boyarsky K., Gusarova N., Dobrenko N., Kanevsky E.**

Text Categorization for Generation of Historical Shipbuilding Ontology

**Khavanskov V.A., Shubnikov S.K.**

Identification and Classification of Citation References in Digital Libraries of Full-text Patent Descriptions

## **SESSION 6. RESEARCH SUPPORT IN DATA INTENSIVE SCIENCES**

**Kalinichenko L.A., Kovalev D.Yu., Kovaleva D.A., Malkov O.Yu.**

Introduction into Analysis of Methods and Tools for Hypothesis-Driven Scientific Experiment Support  
(Invited Talk)

**Robin Annie C., Reylé Céline, Debray Bernard**

The Besancon Galaxy Model, a Population Synthesis Tool for Galactic Structure and Evolution Studies  
(Invited Talk)

**Kovaleva D.A., Kaygorodov P.V., Kalinichenko L.A., Malkov O.Yu., Skvortsov N.A.**

Problems of Designation and Cross-Identification of Multiple Objects in Astronomy

## **SESSION 7. PERSON IDENTIFICATION, DETECTION OF THEIR OCCURRENCES IN TEXTS**

**Knyazeva A.A., Turchanovsky I.Y., Kolobov O.S., Zhizhimov O.L.**

Identification of Duplicates in Bibliographic Databases

**Podobryaev A.V.**

Regional Classification of Russian News Texts for Person Recognition

**Trofimov I.V.**

Person Name Recognition in News Articles Based on the Persons-1000/1111-F Collections

## **SESSION 8. METHODS AND MODELS FOR INFORMATION RESOURCES SEARCH**

**Barakhnin V.B., Fedotov A.M.**

Models of Document and Factual Retrieval for Digital Libraries

**Lyapin Sergey, Kukovyakin Alexey, Chugunov Andrey**

Distributed Fulltext Search in the Digital Libraries: Technology and Projects

**Avdeeva N., Nikulina O., Khritankov A., Chekhovich Y.**

Scientific Search: Methods of Thematically Oriented Search of Scientific Information

**Skvortsov N.A.**

An Approach to Search of Workflows by Metadata

## **SESSION 9. MODELING USER BEHAVIOR, GEODATA INTEGRATION AND PROCESSING**

**Sychev A.V.**

Study on the Structure and Dynamics of the Gamer Community in the Massively Multiplayer Online Game World of Tanks

**Shekotilov V.G., Shalaeva M.V., Lazareva O.S.**

Aggregation of Data from Provincial Documents and Maps

**Shekotilov V.G., Shalaeva M.V.**

Formation of the Complex of Information Resources on Archive Maps of Volga Provinces by A.I. Mende Shooting

**Sharapov R.V.**

Visualization of the Karst Development Dynamics in the Karst Processes Monitoring System

## **SESSION 10. ELECTRONIC SCIENTIFIC JOURNALS, PUBLICATION OF SCIENTIFIC MEASURING DATA**

**Elizarov Alexander, Zuev Denis, Lipachev Eugene**

Infrastructure of Electronic Scientific Journal and Cloud Services Supporting Lifecycle of Electronic Publications

**Bunakov Vasily**

Investigation as a Member of Research Discourse

**Ezhela V.V.**

On Problems with Measured Data Quality in Scientific e-publishing

## **SESSION 11. SIMILARITY AND DUPLICATES DISCOVERY IN TEXTUAL RESOURCES**

**Botov P.V., Chehovich Y.V., Khritankov A.S., Surovenko N.S., Tsarkov S.V., Viuchnov D.V.**

Structures of Text Paraphrasing and Plagiarism in Dissertations on Historical Sciences

**Andreev A., Berezkin D., Kozlov I., Simakov K.**

The Method of Detecting Duplicates in a Stream of Text Documents

**Zakharov V.N., Khoroshilov Alexandr A., Khoroshilov Alexey A.**

Experience in Document Clustering on the Basis of the Method for Determining Their the Thematic Similarity

## **SESSION 12. GETEROGENEOUS INFORMATION RESOURCES INTEGRATION AND DISTRIBUTED SYSTEMS**

**Vyzilov E.D., Mikhailov N.N., Kobelev A.E., Melnikov D.A.**

The Approaches for Development of Interagency Exchange of Distributed Heterogeneous Data for the ESIMO

**Stupnikov Sergey, Vovchenko Alexey**

Combined Virtual and Materialized Environment for Integration of Large Heterogeneous Data Collections

**Zaikina T.N., Kunyaev S.V., Semenov R.N., Ustenko P.V., Filozova I.A., Shestakova G.V.**

Integration of JINR Scientific Information Resources on the JDS Platform

## **SESSION 13. TOOLS FOR DIGITAL LIBRARIES DEVELOPMENT**

**Kalenov N.E.**

Management of the Technology for Filling the Digital Library Entitled “The Scientific Heritage of Russia”

**Yakshin M.M.**

SciRus Platform as the Basis of the Technological Subsystem for “Scientific Heritage of Russia” Digital Library

**Veeranjaneyulu K., Lihitkar S.R., Lihitkar R.S.**

Strengthening of Digital Library and Information Management in Agriculture (India)

**Bednyakov V.A., Gostev I.M., Davydova N.A., Kalmykova L.A., Syresina T.S., Zrellov P.V.**

System for the Interactive Formation of a Topical Plan for Scientific Organization (Taking JINR as an Example)

## **SESSION 14. INFORMATION EXTRACTION FROM TABLES AND TEXTS, MULTIDIMENSION DATA GENERATION**

**Shigarov A.O.**

Automated Table Understanding Using a Rule Engine

**Briukhov D.O., Skvortsov N.A.**

Information Extraction from Large Collection of Russian Text Documents in Hadoop Environment

## **POSTER PAPERS**

**Verechshagin S.V., Chupina N.V.**

Zvenigorod Observatory Archive Scans

**Lobanov A.L., Smirnov I.S., Kirejchuk A.G.**

Thematic site «Beetles (Coleoptera) and Coleopterists» as a Digital Library and a Collection

**Popkova L.V., Sapozhnikov A.P., Sapozhnikova T.F.**

Program Library JINRLIB

## **PhD SEMINAR**

**Toshev A.S.**

Thinking Model and Machine Understanding in Automated User Request Processing

**Ubaleht I.P.**

Method of Creation of Schemes of Relational Databases Using Semantic Information

**Chernishev G., Sevostyanov V., Smirnov K., Shkuratov I.**

On Several Social Network Analysis Problems

**Nokel Michael**

Topic Models: Taking into Account Similarity Between Unigrams and Bigrams