



ULBS

Universitatea "Lucian Blaga" din Sibiu

The "Lucian Blaga" University of Sibiu,
Romania

The LBUS Library

and



**UNIVERSITÄT
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Universitätsbibliothek

The SIXTH INTERNATIONAL CONFERENCE in ROMANIA

on

Information Science and Information Literacy

CONFERENCE ABSTRACTS

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April 21st - 23rd 2015

Sibiu, Romania

with the support of:



The “Lucian Blaga” University of Sibiu, Romania

The LBUS Library

and

University of Bayreuth Library , Germany

The SIXTH INTERNATIONAL CONFERENCE in ROMANIA

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April 21st - 23rd 2015
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The Sixth International Conference in Romania on

“Information Science and Information Literacy” (CD-ROM) = **ISSN 2247 – 0255**

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Rector of the University

Prof.univ.dr.ing. **Ioan BONDREA**

Honorary President of the Conference

Prof.univ.dr.ing. **Constantin OPREAN**

President of the Academic Senate of the University "Lucian Blaga" of Sibiu

Foreword

*The **Sixth International Conference in Romania on Information Science and Information Literacy, Sibiu 2015**, stands for a major event that gives the specialists in Librarianship and Information Science the great opportunity to meet in a friendly and proficient atmosphere.*

The Conference is organized by the:

Central Library of the „Lucian Blaga” University of Sibiu

together with

University of Bayreuth Library, Germany.

Guests:

Dipl.Biol. **Ralf BRUGBAUER**, *University of Bayreuth Library (Bavaria), Germany*

Predrag DAŠIĆ, *SaTCIP Publisher Ltd., Vrnjačka Banja, Serbia*

Prof.univ.dr. **Octavia-Luciana MADGE**, *University of Bucharest, Faculty of Letters*

TOPICS AND FOCUS

The main goal of this conference is to present and discuss the new trends in the following areas:

Main Theme:

"The Future of the Libraries in the Digital Age"

Actual Subjects:

Open Science in the Libraries

- Open Access Publication
- Research Data Management
- Information Science / Open Access
- Worldcat

Libraries in the Cloud

- Cloud technology and Infrastructure
- New strategies of cataloguing
- Creating and sharing better information systems

Social Media and Library

- New challenges in promoting Information Literacy
- Teaching Libraries
- Applications of Social Media
- The library - a social space.

Scientific committee:

- Prof.univ.dr.ing. [Constantin OPREAN](#), *President of the Academic Senate of the "Lucian Blaga" University of Sibiu, România*
- Prof.univ.dr.ing. [Ioan BONDREA](#), *Rector of the "Lucian Blaga" University of Sibiu*
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- Lecturer [Arja MĂNTYKANGAS](#), *doctorate candidate at the University of Sibiu*
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- Conf.univ.dr. [Eva-Nicoleta BURDUȘEL](#), *"Lucian Blaga" University of Sibiu*
- Conf.univ.dr. [Ioana Narcisa CREȚU](#), *"Lucian Blaga" University of Sibiu*
- Dr. [Olimpia CURTA](#), *Central University Library, Cluj-Napoca, Romania*
- Prof.univ.dr. [Agnes ERICH](#), *Library of the "Valahia" University of Targoviște*
- Prof.univ.dr. [Octavia-Luciana MADGE](#), *University of Bucharest, Romania*
- Dr. [Doina OSTAFE](#), *President of the ABR's University Libraries Division, Romania*
- Conf.univ.dr. [Alexandra MITREA](#), *"Lucian Blaga" University of Sibiu*
- Lect.univ.dr. [Maura GIURA](#), *"Lucian Blaga" University of Sibiu*
- Dr. [Constantin ITTU](#), *Brukenthal National Museum Sibiu, Library of the Museum*
- Prof.univ.dr. [Dana SIMIAN](#) - *Lucian Blaga University of Sibiu, Sciences Faculty*
- Prof.univ.dr. [Daniel VOLOVICI](#), *"Lucian Blaga" University of Sibiu, Computer Science and Automatic Control Department (CSAC), Romania*
- Conf.dr.ing. [Macarie BREAZU](#), *"Lucian Blaga" University of Sibiu, CSAC*
- Conf.dr.ing. [Daniel MORARIU](#), *"Lucian Blaga" University of Sibiu, CSAC*
- S.I.dr.ing. [Radu CREȚULESCU](#), *"Lucian Blaga" University of Sibiu, CSAC*
- Dr. [Ștefania KIFOR](#), *"Lucian Blaga" University of Sibiu*
- [Roger PÂRVU](#), *Project coordinator, Evangelische Akademie Siebenburger, Romania*
- Conf.univ.dr. [Andrei TERIAN](#), *"Lucian Blaga" University of Sibiu*
- Conf.dr. [Dragoș VARGA](#), *"Lucian Blaga" University of Sibiu*
- Dr. [Rodica VOLOVICI](#), *Library of the "Lucian Blaga" University of Sibiu*

Organizing Committee:

- Dr. [Rodica VOLOVICI](#), *Conference Coordinator, Library of the "Lucian Blaga" University of Sibiu, România*
- Dipl.Biol. [Ralf BRUGBAUER](#), *University of Bayreuth Library (Bavaria), Germany*
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- [Camelia VOLOSCIUC](#), *Library of the LBUS*
- [Mihaela MANOLESCU](#), *Library of the LBUS*
- [Radu PAȘTIU](#), *IT staff, Library of the LBUS.*
- [Corina TĂTAR](#), *Library of the „1 Decembrie” University of Alba-Iulia*

The Sixth International Conference in Romania on Information Science and Information Literacy

April 21st – 23rd, 2015, Sibiu

Program of the Conference

Tuesday, April 21st

8 - 9 Welcome the participants, Registration
LBUS Academic Center, Banatului str., no.6, Sibiu

9 -11 Official Opening of Plenary Session

Welcoming speech of the “Lucian Blaga” University of Sibiu representatives:

Prof.univ.dr.ing. **Ioan BONDREA** - Rector of the LBUS

Prof.univ.dr.ing. **Constantin OPREAN** - President of the Senate of the LBUS,
Honorary President of the Conference

Dr. **Rodica VOLOVICI**, Director of the LBU Sibiu Library, Romania

Dipl.Biol. **Ralf BRUGBAUER**, University of Bayreuth Library (Bavaria),
Germany – *title reserved*

Keynote speaker

Predrag DAŠIĆ (Chairman of Organizing Committee of RaDMI and EMoNT
Conference, Serbia) - *Analysis of SCI, SCI-E, SSCI and A&HCI citation
databases*

Ioana ROBU (Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-
Napoca) - *Linked Data and the Semantic Web: How much do librarians need
to know in order to face the challenge?*

Edy CHINDEA (3M Traffic Safety and Security Division) - *3M Cloud Library*

Csaba GIRAS (Softlink Central Europe-Cluj-Napoca) – *Social Networking
Library – A practical approach based on Softlink Liberty & 3M RFID*

Diana BUTNARIU (E-nformation Romania) - *E-nformation - access to
documentation resources, training, vocational and academic publishing*

11-11³⁰ **Coffee break**

11³⁰-13³⁰ **Communications Session** - *Chairman: Cristina ALBU; C-tin ITTU*

Octavia-Luciana MADGE (University of Bucharest, Faculty of Letters) -
*Knowledge Organization: Research Tools concerning the Bilateral Relations
of Romania*

Olimpia CURTA, Lucia HOSU, Robert Bodnár ("Lucian Blaga" University Central Library, Cluj-Napoca) - *Digitization between necessity and challenge*

Voichița DRAGOMIR (Carol I Central University Library in Bucharest) - *Are the libraries ready for the Web 2.0 challenges? The response of the Romanian libraries - case study*

Denis VINCEK (Osnovna škola Ante Kovačića, Zlatar, Croatia) - *A new digital age and ethical dilemmas: Ask.fm – a website for entertainment or cyberbullying*

13³⁰-15
15-18

Lunch break

Agnes ERICH (Prof.Ph.D. , Valahia University of Târgoviște) – *The social role of public libraries in the community*

Giuseppe MOTTA (Prof. dr. , Universita degli Studi di Roma La Sapienza, Italy) - *Teaching and Learning History in the Era of Digital Knowledge. National and European Perspectives*

Constantin ITTU (Brukenthal National Museum) - *Sir Isaac Newton's theory of colours*

Daniel HOMOCIANU (PhD researcher at "Alexandru Ioan CUZA" University of IASI, FEAA, The Department of Research) – *The LIVES4IT Approach on Access to Documentation Resources, Education, Training and Research*

Cristina ARITON-GELAN („Ovidius” University, Constanta) – *Library - a new public space*

Cristina ALBU (Central Library of Politehnica University Bucharest) - *Teaching Library: a contribution in the universities - research institutes - companies triangle*

Cristina Ioana ROIU (Romanian Academy Library) – *Educational values of the Digital Archives: the Europeana 1989 and Europeana 1914-1918 cases*

Eva-Nicoleta BURDUȘEL (Lucian Blaga University of Sibiu, Letter and Arts Faculty) – *A Cultural Approach to Communication: Monologic or Dialogic*

Albert K. Boekhorst (www.albertkb.nl) - *Web article proposed for presentation: Author - Michael Agresta - What Will Become of the Library? How it will evolve as the world goes digital.*

Ioana Narcisa CREȚU, Cristina PÂRVU (Lucian Blaga University of Sibiu, Faculty of Social and Human Sciences) - *Romanian Libraries and Social Media: Uses and Gratifications - Case study and workshop: LBUS Library.*

Wednesday, April 22

9-18 **Documentation Session in Alba-Iulia :**
„1 Decembrie” University of Alba-Iulia – The Library

13-14 Lunch break

Sponsor: Land Kärnten - Austria

Thursday, April 23rd

- 10-13 **Communications Session : - Chairman: Daniel VOLOVICI**
Dana SIMIAN, Ralf FABIAN (Lucian Blaga University of Sibiu, Faculty of Sciences) – *Visual content based owner identification in digital image collections*
Daniel VOLOVICI ("Lucian Blaga" University of Sibiu, Romania, Engineering Faculty) – *Evaluation of Classification in More than Two Classes*
Radu G. CREȚULESCU, Daniel I. MORARIU, Macarie BREAZU ("Lucian Blaga" University of Sibiu, Engineering Faculty, Computer Science and Electrical and Electronics Engineering Department) – *Document Classification using Naive Bayes*
Rodica VOLOVICI, Camelia Volosciuc, Elena Marginean, Mihaela Manolescu, Ioan Visa (The Library of the Lucian Blaga University of Sibiu) - *The European project of valuating the cultural plurality: the Library of the "Lucian Blaga" University of Sibiu within the Europeana Cloud*
Maura GIURA (Lucian Blaga University of Sibiu, Faculty of Letters and Arts) - Reading and research in Transylvania during the 19th century. Case study: the Teutsch family's book collection
Radu-Ciprian ȘERBAN - *Considerations on librarian statute in Romanian Countries in the Modern Ages*
Liliana OPRESCU (The Library of the "Lucian Blaga" University of Sibiu) - *Telegraful Român (years 1864-1877) bibliographic digital source database*
Teodora SĂBĂU IVAN (Lucian Blaga University of Sibiu) – *Information Literacy in the Documentation and Information Centre (DIC) Specific activities designed into the DIC for info-documentary skills training of students: case study at DIC - C.T. Cibinium Sibiu*
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- Denis VINCEK *A new digital age and ethical dilemmas: Ask.fm – a website for entertainment or cyberbullying*
- Agnes ERICH *The social role of public libraries in the community*
- Cristina ARITON-GELAN *Library - a new public space*
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- Albert K. BOEKHORST
Author: Michael
AGRESTA *Web article proposed for presentation:
- What Will Become of the Library? How it will evolve as the world goes digital,
http://www.slate.com/articles/life/design/2014/04/the_future_of_the_library_how_they_ll_evolve_for_the_digital_age.html*

Keynote speaker:

Analysis of SCI, SCI-E, SSCI and A&HCI citation databases

Predrag DAŠIĆ

Chairman of Organizing Committee of RaDMI and EMoNT Conference,
<http://www.radmi.org/>, SaTCIP Publisher Ltd., Vrnjačka Banja, Serbia

The most important citation databases (CDB) in the world are: SCI (Science Citation Index) and SCI-E (Science Citation Index, Expanded) in the field of natural and applied scientific disciplines, SSCI (Social Sciences Citation Index) in the field of social science disciplines and A&HCI (Arts & Humanities Citation Index) in the field of arts and humanities disciplines. In the paper the analysis of number of scientific journals indexed in SCI, SCI-E, SSCI and A&HCI citation databases (CDB), number of scientific journals by countries and number of scientific journals by scientific disciplines or categories for the period 2004-2013 will be given.

Keywords: Journal Impact Factor (JIF), Citation database (CDB), Science Citation Index (SCI), Science Citation Index, Expanded (SCI-E), Social Sciences Citation Index (SSCI), Arts & Humanities Citation Index (A&HCI).

Linked Data and the Semantic Web:

How much do librarians need to know in order to face the challenge?

Ioana ROBU

„Iuliu Hatieganu” University of Medicine and Pharmacy, Cluj-Napoca

Undeniably, the Web has transformed the concept of information. The Web continues to grow in size and quantity, and, above all, it continues to change in structural complexity and underlying architecture. If the role of gatekeepers of structured information is to be maintained and even reinforced by us, librarians, we need to acquire the knowledge and basic skills with the new Web concepts and tools in order to harness their potential.

This presentation includes three main parts: the first is intended to be a high-level description of the Semantic Web (SW) technology and linked data (LD), with their main standards and concepts: extensible markup language (XML), Resource Description Framework (RDF), RDF Schema (RDFS), ontologies, and their utility in information retrieval. The second part includes several existing projects that incorporate these technologies – concrete examples. The third and last part will discuss the potential of SW and LD to optimize library cataloguing and indexing, the way to rethink information retrieval in general.

Keywords: linked data, semantic web

Section I : OPEN SCIENCE in the LIBRARY

Knowledge Organization: Research Tools concerning the Bilateral Relations of Romania

Octavia-Luciana MADGE

Prof.univ.dr., University of Bucharest, Faculty of Letters,
Library and Information Science Department

Knowledge organization and all initiatives in this area, as well as the tools developed over time for this purpose, have always been accompanied by numerous challenges. The bibliography, although the oldest tool of knowledge organization, still proves its value, especially in the context of the quantitative developments in contemporary society and of the technological progress. This paper presents a recent initiative in the field of knowledge organization, namely a project started in 2011 at the level of the Department of Information and Documentation Sciences within the Faculty of Letters at the University of Bucharest. The project consists in a series of bibliographical tools which cover Romania's bilateral relations with different states. The three bibliographies completed to date within this series are mentioned, the paper focusing more on the last appearance (the first part of the bibliography concerning the Romanian-Czech relations), on the challenges and difficulties encountered in its achievement, but also on the latest endeavour within this vast project, the initiation of the actions for developing an online tool, a platform to provide the academic and research community, as well as the general public, with a flexible, user-friendly information tool for retrieving scientific literature on Romanian-British relations, and which will contribute to the research process by facilitating access to information and orientation of research.

Keywords: knowledge organization, research tool, bibliography, bilateral relations, Roma

Digitization between necessity and challenge

Dr. Olimpia CURTA, Lucia HOSU, Robert BODNÁR

“Lucian Blaga” University Central Library, Cluj-Napoca

Traditional libraries hold inestimable values, unimaginable for today's Internet users. Digitizing traditional catalogs can reveal the holdings libraries accumulated for hundreds of years in their closed stacks. The digitization of primary documents, especially of old and rare ones, enables their remote investigation, offering thus unlimited access to culture, information and knowledge. Planning, organizing and developing a digital library assume innovative management, good specialists and close cooperation between the

departments of the institution. Some of the aspects of these activities carried on at BCU Cluj will be presented in this paper.

Keywords: digital libraries, information retrieval, open access

Teaching Library: a contribution in the universities - research institutes - companies triangle

Cristina ALBU

“Politehnica” University of Bucharest

This paper presents the library staff’s concerns in University “Politehnica” of Bucharest to contribute at curriculum develop for bachelor students in Information Literacy and editing scientific works. These are the results of a project deployed in the Central Library which emphasizes the promotion of the Knowledge triangle. The project aims to improve interaction Romanian universities with business and research too, by developing sustainable partnerships in order to increase the capacity of higher education to support economic and social development.

Keywords: curriculum development, Knowledge triangle, universities-research institutes-companies networks

Visual content based owner identification in digital image collections

Dana SIMIAN, Ralf FABIAN

University „Lucian Blaga” of Sibiu, Faculty of Science

With the emergence of digital multimedia content, traditional methods to track author or ownership by marking the content, become obsolete and prone to continuous adaptations.

This paper focuses on a specific branch of digital data, as are digital images. There are two popular strategies from which the most known digital marking techniques derive: a) modifying the visual content, for instance, by applying a clearly visible stamp on the image or b) adding supplementary data blocks to the image file itself. Even if combining them, bought come with advantages and drawbacks. The first one uses relatively simple operations to add the stamp patterns, these are hard to be removed after, but significantly impair the visual delight of the whole image. As regards the second branch, since the metadata are simply attached as supplementary information to the file, they do not affect the view of the image, but are much easier to be tempered or simply deleted. The paper presents a briefly survey of several visual content based techniques, with a primary target on reducing image quality loss. We developed an application to work with

transform domains and automated identification of detected marks and outline the opportunities for services of this kind in the field of digital image collections/libraries.

Keywords: digital library, visual content

The LIVES4IT Approach on Access to Documentation Resources, Education, Training and Research

Daniel HOMOCIANU

PhD researcher at “Alexandru Ioan CUZA” University of IASI
FEAA, The Department of Research

This paper describes the LIVES4IT approach which tries to activate a precedent on exploiting at the full use of free educational licenses and existing documentation, the creative and innovative potential of future graduates and their tutors and the collaborative intentions of firms. Its well-defined general objective is to promote a methodology of creating a necessary form of pragmatic knowledge materialized in knowledge pieces defined as: specific, contextual, persistent, interactive, platform independent, searchable and available in the academic-business partnership. This approach occurs in the context of: "explosion" of data, information and technology; rapid obsolescence of “know-how”; increasing training costs of IT firms; need to motivate on one hand the employers to want internships of future graduates and on the other hand the academic staff to adapt at least through creating and mentoring scientific papers rooted in reality and market needs; halved working time and increased performance when using such knowledge pieces grouped in on-line containers of interactive and emulated documentations and usage scenarios of real applications together with on-line interactive evaluation modules.

The paper also gives some implementation solutions that support the LIVES4IT approach.

Keywords: LIVES4IT (Learning with Interaction-based instruments and Valorising any Existing Support for Information Technologies) approach, On-Line Interactive and Emulated Documentation and Usage Scenario (OLIEDUS), On-Line Interactive Evaluation Module (OLIEM)

Sir Isaac Newton’s theory of colours

Constantin ITTU

Researcher, Brukenthal National Museum, Sibiu

Sir Isaac Newton is widely recognised as one of the most influential scientists of all time and as a key figure in the scientific revolution. Newton investigated the refraction of light, being able to demonstrate that the multicoloured spectrum produced by a prism could be recomposed into white light by a lens and a second prism. The results

encouraged him to publish a book, first in English, *Opticks* (1704), then, in a scholarly Latin translation, *Optica* (1706). In his work, Newton analyses the fundamental nature of light by means of the refraction of light with prisms and lenses, the diffraction of light by closely spaced sheets of glass, and the behaviour of colour mixtures with spectral light or pigment powders. *Opticks* is considered one of the great works of science in history. The Brukenthal Library has in its collection a Latin edition of the book, one which was issued in 1740.

Keywords: Sir Isaac Newton, *Optica*, theory of colour, scientific revolution, Brukenthal Library

A new perspective for the Library of the LBU Sibiu: Digital Collections in Open Access

**Rodica VOLOVICI, Elena Mărginean, Camelia Volosciuc,
Mihaela Manolescu, Ioan Vișa**

The Library of the "Lucian Blaga" University of Sibiu

The Library of the "Lucian Blaga" University of Sibiu wants to promote the scientific communication and to ensure the free and easy access to the research and intellectual creation results. So there will be presented the local collections published in Open Access in the Digital Library of the LBU: Old books and periodicals, the scientific literature, abstracts of the doctoral theses, bibliographic references.

Furthermore, we intend to achieve a dedicated web platform (e-References) for publishing the references and the scientific publications, thus supporting the professional network initiative «The European Library» for data connection - Linked Open Data (LOD).

Keywords: Open Access, digital library, linked open data (LOD)

Teaching and Learning History in the Era of Digital Knowledge. National and European Perspectives

Giuseppe MOTTA

Prof.dr., Università degli Studi di Roma La Sapienza, Italy

The European Union involved the division of powers, with taxation, health and education handled by the nation states, while the EU had charge of market rules, competition, legal standards and environmentalism. Defense policy was handled by the nations through NATO, but the EU did have a role in setting foreign policies. The Soviet economic and political system collapsed in 1989-91, leading first to the end of communism in the satellite countries in 1989, and then to the dissolution of the Soviet Union itself in 1991. As a consequence, Germany was reunited, Europe's Integration deepened, the continent

became depolarised, and the European Union expanded to include many of the formerly communist European countries.

The European Union came under increasing pressure because of the worldwide recession after 2008. The major issues include financial aid to near-bankrupt countries, increasing intolerance of poorly assimilated immigrants, distrust of Germany's increasing power, tensions with Russia, rejection of Turkey's membership, and different views about the EU's future.

Keywords: learning, European history, EU

Albert K. BOEKHORST (www.albertkb.nl) - *Web article proposed for presentation:*

Author - Michael AGRESTA - What Will Become of the Library? How it will evolve as the world goes digital

<http://www.slate.com/articles/life/design/2014/04/>

[the_future_of_the_library_how_they_ll_evolve_for_the_digital_age.html](http://www.slate.com/articles/life/design/2014/04/the_future_of_the_library_how_they_ll_evolve_for_the_digital_age.html)

Around the turn of the 20th century—a golden age for libraries in America—the Snead Bookshelf Company of Louisville, Ky., developed a new system for large-stack library shelving. Snead's multifloor stack systems can still be seen in many important libraries built in that era, for instance at Harvard, Columbia, the Vatican, and at Bryant Park in New York City. Besides storing old bundles of bound paper, Snead's stacks provided load-bearing structural support to these venerable buildings. To remove the books would literally invite collapse.

A recent attempt by the New York Public Library to do away with stacks at its main branch and move much of its research collection to New Jersey invited just this concern. Engineers described the idea of removing the shelves that support the Rose Reading Room as “cutting the legs off the table while dinner is being served.” The plan was to transform the interior of the iconic 42nd Street building from its original purpose—a massive storage space for books with a few reading rooms attached—to a more open, services-oriented space with many fewer books on-site. An outcry from scholars and preservationists may yet halt the NYPL's renovation. A revised version of the plan, which would keep more of the collection onsite, awaits a final verdict later this year.*

A library without books was once unthinkable. Now it seems almost inevitable.

Section II: Libraries in the Cloud

Are the libraries ready for the Web 2.0 challenges? The response of the Romanian libraries - case study

Voichița DRAGOMIR

„Carol I” Central University Library in Bucharest

This paper presents the Web 2.0 model and its implications for libraries, raising the question whether the libraries and the librarians are really ready for the big changes imposed by the Library 2.0 innovations and values of collective participation and community building.

It is not only a matter of technological and social change, it is also a problem of knowledge accessibility and authoritative information management, and more importantly a problem of accepting the transformation of the library from a traditional, well ordered and organized structure governed by international standards and regulations into a collaborative, user-centered, interactive and open organisation.

Providing a brief overview of the Romanian libraries response to Web 2.0 challenge, the paper suggests that, despite being the most modern and popular web-based environment, Web 2.0 remains still an enigma for the Romanian libraries and librarians.

Keywords: Library 2.0, Romanian libraries

Evaluation of Classification in more than two classes

Daniel VOLOVICI

“Lucian Blaga” University of Sibiu, Engineering Faculty,
Computer Science, Electrical and Electronics Engineering Department

Machine learning is the most important part of Artificial Intelligence in the same sense as we cannot speak about intelligence without the capacity of learning. One of the basics types of learning is to learn to classify objects or putting labels on objects. If you are able to recognize that an object has the attributes of a class C or not (meaning that it is part of class non C), than you will be able to classify in more than one class: with the strategy one-vs-all or with the strategy one-vs-one. Classification as a learning task implies training with examples of objects a priori labeled with the class which they belong. But if in data we do not have definitions of classes, splitting data into groups has the name of clustering. The idea behind clustering is that probably the data are produced by different processes or that they belong naturally to different groups. So, the best way to evaluate the quality of the clustering is to try to cluster data generated to be part of different classes.

The most used way for evaluation of classification and clustering methods is the confusion matrix defined for two classes. Starting from this matrix it is obtained the measures of Precision, Recall and the F_measure. Exist a generalization to n classes using anxn matrix. But for the situation where exist a different number of clusters than the number of original classes we must use anxm contingency matrix also named association matrix. And because the degree of association is measured by the dominance of the principal diagonal it is very important to use time efficient methods of manipulation of the lines and columns of matrixes.

Keywords: classification, clustering, contingency matrix, association, matrix, precision, recall.

Document Classification using Naive Bayes

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Document classification is the problem of classifying text documents into a set of predefined classes. After a preprocessing step the documents are represented as huge sparse vectors. Therefore, we have to apply some feature selection methods to reduce the dimensionality of the document-representation vector before applying the core classification algorithm. In this paper we use Information Gain as feature selection method (that was proven in our previous paper to be the best) and we evaluate a simpler and faster classifier algorithm - Naïve Bayes. Because of the high computation requirements of the previously tested Support Vector Machine classifier, we evaluate now the accuracy lost and the time consumption improvement for the Naïve Bayes classifier. As we might expect experimental results are not of the same quality (on average the accuracy is 9% lower), but the classification time decreases from about 4 minutes for SVM to 7 seconds for Naïve Bayes. Therefore, Naive Bayes can be a good option when computation restrictions are important.

Keywords: Document Classification, Information Gain, Naive Bayes, Weka framework

The European project aiming at valorizing cultural plurality. The case of the LBUS Library in the Europeana Cloud

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The LBUS Library is the only contributor of Romania in the Europeana Cloud project (2013-2015), participating with two digital collections that are illustrating the ethnic multicultural coexistence in the history of Sibiu. Culture has become a priority on the EU agenda when it was understood that the European integration depends mainly on the

cultural integration and the national identity was considered to be the social cohesion vector by rediscovering the cultural and historical values, having the motto “unity in diversity”. This paper is an attempt to reflect the common past of the Romanians, Germans and Hungarians in Transylvania, in the 18th and 19th centuries, reflected in several works, included in the collection “Sibiu - Historical and multicultural coexistence”, the contribution of the LBUS to the Europeana Digital Library.

Keywords : Transylvania, multicultural coexistence, history of Sibiu, the Orthodox Church, cultural development, digital library, Europeana Cloud, European Union

Educational values of the Digital Archives: the Europeana 1989 and Europeana 1914-1918 cases

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Mass digitisation now provides us with an almost unlimited supply of historical primary sources posted online. Digitized historical sources have therefore become very important in the process of teaching and understanding history for the young generation.

These digital archives offer besides written texts also a substantial part of visual and audio digitised sources (photos, films, audio recordings) which requires different methods, skills and tools for the teachers.

Using the example of the outcomes of the Europeana 1989 and Europeana 1914-1918 projects , the paper presents new approaches in teaching history and engaging young generation with their recent (or older) past.

Keywords: digital archives, open access, educational values

„Telegraful Român” (years 1864-1877) bibliographic digital source database

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The website of the University "Lucian Blaga" Library in Sibiu hosts the digital library, and part of Telegraful Român newspaper (1864-1877 years), which can be found at <http://digital-library.ulbsibiu.ro/DSPACE/community-list>.

These types of materials are necessary through online distribution of historic publications for all those interested in documentary and scientific research. This presentation technique of the newspaper allows for the preservation and maintenance of a period much longer than its original. It also facilitates a quick and easy access which allows anyone to create footnotes by quoting the source directly, without using references found in various articles.

If we do not preserve historic documents, we can conclude that soon we will not only have what to process but we will also have nothing to investigate.

Keywords: digital library, Telegraful Roman, historical publication

3M Cloud Library

Edy CHINDEA

3M Sales Representative Library Systems

Patrons worldwide are changing the way they view library services and access reading materials. 3M Library Systems understands this change. That's why we developed the 3M Cloud Library System to give patrons access to an easy-to-use and unique system to view, checkout and read e-books – anytime, anywhere.

Our proposed 3M Cloud Library System solution provides patrons with access to a wide list of titles, tools and services that enable library administrators to develop a first-rate e-book collection for their library system. Key features of our unique solution include: Ease of Use, Effective Collection Management, Easy Title Inventory, Seamless Patron Access and Patron Privacy and not last of all Confidential Ownership of the E-book Collection while ensuring ILS Integration for our customers.

We designed the 3M Cloud Library with patron experience in mind. Our system enables users to browse, checkout and read e-books from a single application. This ease of use is then enhanced by letting users synchronize bookmarks and notes across devices, so notes they make while reading a title on a PC are available when they later read the title on a smart phone. This makes the collection available to patrons anytime, anywhere.

Building a community-friendly collection is important to the success of the new digital library concept by helping drive patron interest and usage rates.

With 3M Cloud Library anyone can purchase titles from more than 300 publishers. We already have more than 200,000 titles to choose from including popular titles from major publishers such as Random House, HarperCollins, Penguin, Harlequin and Soho Press.

At 3M Library Systems, we have provided libraries with innovative solutions for more than 40 years while helping pioneer the use of self-service technologies in libraries.

Keywords: 3m, cloud, library

E-nformation - access to documentation resources, training, vocational and academic publishing

Diana BUTNARIU

E-nformation Romania

Enformation - With over 20 years experience in providing online books and magazines, we promote and develop electronic information resources, while still being actively involved in monitoring and developing the collections of academic and research libraries in Romania. We strongly believe in knowledge as a positive force and therefore we support research with passion and professionalism.

We know that information is the foundation of research and we are always looking to expand our resources and services that support that seeking knowledge.

At this event, through a free discussion, we want to better understand the user's needs for online resources and to provide the latest information on academic publishing and documentation.

Likewise, in a section of the presentation, we want to draw an overall picture regarding the use of the online environment for books and academic journals.

Keywords: Research, Documentation, Academic Publishing, Online Resources

Section III: SOCIAL MEDIA and LIBRARY

A new digital age and ethical dilemmas:

Ask.fm – a website for entertainment or cyberbullying

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Unlike Web 1.0, which was primarily used to gather information, we are today dealing with Web 2.0, which could be perceived as social software as it enables communication and sharing of information between users. Thus, when speaking about the Internet of today, we are referring to a medium that uses social networks, blogs and other virtual communities to connect people, which further emphasizes its social dimension in the new digital age. The students of today spend over two thirds of their time online on entertainment and the reason for this lies in Maslow's hierarchy of needs. The study conducted among the students of seventh and eighth grades in a Croatian elementary school showed that 69 percent of participants had an active account on the internet social network Ask.fm, which now has 134 million registered users. As a website with all traits of a social network, Ask.fm enables people to ask questions to each other and respond to them whenever they want. The questions can be asked anonymously or with a revealed identity. The study conducted on a sample of 1000 questions and answers showed that 17.3 percent of those questions open up certain ethical dilemmas – from inappropriate words (swearing), sexist terms, denial of positive life values to cyberbullying, and seven fatalities which ended in Ask.fm bullying-related suicides have been recorded among the youths. The study has shown that Ask.fm has no positive traits.

Keywords: Ask.fm, cyberbullying, ethical dilemmas

The social role of public libraries in the community

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The public library plays a vital role in the communities it serves, being the main institution that provides information and documentation services in various forms and in different contexts. Thus, it contributes to the personal development of its users through formal education, through lifelong learning, through after-school activities, information literacy, leisure, skills development and access to public information. Another aspect covered by a public library is linked to social cohesion, institution space transformed into a meeting place and center for community development. The culture and local identity are problems with a significant impact of belonging to the community which is served by the public library and the imagination and creativity develop people's interest in cultural activities. All these situations are the most convincing evidence that a public library plays a very important social role for the community.

Keywords: public library, community, culture, personal development

Library - a new public space

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In the present society libraries are not only an active component of the process of acquiring, processing, communication, preservation and archiving of information resources. Developments in information technology and communications turns library into a public space for communication. In the information society development of library led to the establishment and redefining its roles: information, enlightenment and socialization are the main features of contemporary library. Library become an educational, cultural and social center and also a tool for promoting research experiences and a means by which community members can participate in the social life. One of the fundamental issues that need to consider when talking about the role of public space of communication and library must assume is the understanding that the user needs have changed. Moreover, increasing and diversifying social needs manifests itself as a service request, and, to this end, one important characteristic of contemporary library should represent the increasing complexity of services offered to users. The library becomes an integrator public space where librarians must come to meet users both physical and virtual means. The library becomes a public space endowed with information resources in all areas and all genres.

Keywords: contemporary library, public space for communication, information resources, educational center, strategic planning.

Romanian Libraries and Social Media: Uses and Gratifications - Case study: LBUS Library

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Due to the continuous rising of social media and their implications in everyday life, it is difficult to ignore their role in the life of communities. New media is important for every day communication, but has also an important role in PR strategies. PR campaign in politics and advertising has to be present on Facebook or other social networks. Romanian libraries have registered an important growth in promoting themselves in online communities. The aim of this paper is to analyze the importance of this new method among other classical types of PR for libraries, especially for the LBUS Library

Keywords: public relations (PR), Romanian libraries

Reading and research in Transylvania during the 19th century. Case study: the Teutsch family's book collection

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The aim of this study is to analyze the reading habits of Saxon intellectuals in Transylvania during the 19th century. In this regard, we consider the private library of Evangelical bishops G.D. and Friederich Teutsch – father and son. Beyond their role as spiritual guide, these scholars achieved remarkable results in various fields: theology, history, publishing, pedagogy, etc. The books in their library reveal that they lived aware of cultural developments of the time.

Key words: reading, culture, Lutheran theology, history

Considerations on librarian statute in Romanian Countries in the Modern Ages

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The librarian in the early modern period, unlike his professionalized status today, often had complementary roles or concerns, that make their progressive ideas in the field of librarianship be more commendable. While personalities like Gabriel Naudé, Conrad

Gessner, John Dury or Gottfried Leibniz was given full attention in European studies of history, there are some librarians in the Modern Romanian multiethnic culture that also proved a strong sense of duty. The aim of this study is not a simple comparison between East and West; it is rather a rediscovery of an identity less shed light over.

Keywords: librarian, history, status, Modern Ages

Information Literacy in the Documentation and Information Centre (DIC) Specific activities designed into the DIC for info-documentary skills training of students: case study at DIC - C.T. Cibinium Sibiu

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Info-documentary skills are part of the key-skills of students and missions of the Documentation and Information Centre (DIC). The paper refers to the eight info-documentary skills mentioned in the organization and functioning Regulation of school libraries and of Documentation and Information Centers and illustrates with a case study the specific activities designed into the DIC for the information literacy training of students. The study conclusion reveals the complex and the extensive character, also the results of the info-documentary activities of the DIC.

Keywords: Documentation and Information Centre (DIC), info-documentary skills, education for information, information literacy, regulation

The Mikes Kelemen High School Library and Its Benjamin Franklin Club

Kiss LÁSZLÓ

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Master. prof. doc.an I.

The Mikes Kelemen High School Library has got a long experience in the social media. The Benjamin Franklin Club is special place of our library, where our students learn, exchange ideas, work together virtually with their American peers. We want to show how social media facilitates learning in the Benjamin Franklin Club and how the Mikes Kelemen High School Library is using it's social networking.

Keywords: social media, networking, virtual learning, school library, social place

