



The “Lucian Blaga” University of Sibiu, Romania

The LBUS Library

and

Evangelischen Akademie Siebenbürgen

University of Bucharest - DigInfo Centre



Evangelische Akademie Siebenbürgen
Academia Evangelică Transilvania
Erdélyi Evangélikus Akadémia



CENTRUL DE CERCETARE
PENTRU
INFORMAȚIA DIGITALĂ
CERCETARE TEORETICĂ ȘI APLICATĂ

&

The THIRD INTERNATIONAL CONFERENCE in ROMANIA

on

Information Science and Information Literacy

CONFERENCE ABSTRACTS

April 23rd - 24th 2012, Sibiu, Romania

ISSN - L 2247 – 0255

Honorary President of the conference

Prof.dr. **Constantin OPREAN**

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

Foreword

*The **Third International Conference in Romania on Information Science and Information Literacy**, Sibiu 2012, 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 Bucharest - DigInfo Centre and
Evangelischen Akademie Siebenbürgen.***

Guests:

Prof.dr. **Werner SCHAAL** – “Lucian Blaga” University of Sibiu

Prof.dr. **Doina BANCIU**, ICI-National Institute for Research and Development in informatics, Bucharest, Romania

Dr. **Ralf BRUGBAUER** - University Library of Bayreuth (Bavaria), Germany

TOPICS AND FOCUS

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

Information literacy

- *Modern approach in information literacy*
- *Changes of reading and writing in information literacy age*
- *Ethical use of information and plagiarism*
- *Scientometrics*

Education

- *Teaching information literacy and*
- *Developing the skills of the information literacy practitioner*
- *Lifelong learning and e-learning based on information literacy*
- *Reviewing the fundamentals of education and curriculum redesign*

Digital libraries

- *Libraries in digital age*
- *Quality evaluation of digital and classical libraries*
- *Data storage and databases*
- *Interconnection protocols for digital libraries*

Information science and technologies

- *Information theory*
- *Information retrieval*
- *Measuring the performance of document classification*
- *Data mining strategies for digital libraries*
- *Hypermedia in digital libraries*
- *Image processing for digital libraries*
- *Media conversion and digitization tools*
- *Interfaces: design and ergonomics*
- *Knowledge management.*

Scientific committee :

- Prof.dr. **Constantin OPREAN**, *President of the Academic Senate of the "Lucian Blaga" University of Sibiu, Romania*
- Prof.dr. **Doina BANCIU**, *ICI-National Institute for Research and Development in Informatics, Bucharest, Romania*
- Dipl.Biol. **Ralf BRUGBAUER**, *University of Bayreuth Library (Bavaria), Germany*
- Dr. **Adam SOFRONIEVIC**, *University of Belgrad, "Svetozar Markovic" University Library, Serbia*
- Lect.dr. **Cristina ALBU**, *University of Bucharest, Romania*
- Conf.dr.ing. **Macarie BREAZU**, *"Lucian Blaga" University of Sibiu, Computer and Electrical Engineering Department, Romania*
- Conf.dr. **Eva-Nicoleta BURDUŞEL**, *"Lucian Blaga" University of Sibiu, Romania*
- Dr. **Olimpia CURTA**, *Central University Library, Cluj-Napoca, Romania*
- Conf.dr. **Agnes ERICH**, *Library of the "Valahia" University of Targovişte, Romania*
- Prof.dr.ing. **Elena HELEREA**, *Library of the "Transilvania" University of Braşov, Romania*
- **Keynote Speaker** - Lect.dr. **Octavia-Luciana MADGE**, *University of Bucharest, Romania*
- Conf.dr.ing. **Adi MITEA**, *"Lucian Blaga" University of Sibiu, Computer and Electrical Engineering Department, Romania*
- Prof.dr. **Ioana MOISIL**, *"Lucian Blaga" University of Sibiu, Romania*
- S.l.dr.ing. **Daniel MORARIU**, *"Lucian Blaga" University of Sibiu, Computer and Electrical Engineering Department, România*
- S.l.dr.ing. **Radu CRETULESCU**, *"Lucian Blaga" University of Sibiu, Computer and Electrical Engineering Department, Romania*
- Dr. **Ivona OLARIU**, *"Mihai Eminescu" Central University Library, Iaşi, Romania*
- Drd. **Doina OSTAFE**, *"Eugen Todoran" Central University Library, Timişoara, România*
- Prof.dr. **Daniel VOLOVICI**, *"Lucian Blaga" University of Sibiu, Computer and Electrical Engineering Department, Romania*
- Dr. **Rodica VOLOVICI**, *Library of the "Lucian Blaga" University, Sibiu*

Organizing Committee :

- Dr. Rodica VOLOVICI, *Library of the "Lucian Blaga" University of Sibiu, România*
- Roger PÂRVU, *Project coordinator, Evangelische Akademie Siebenburgen*
- Ioan-Irinel VIȘA, *IT coordinator, Library of the LBUS*
- Elena MĂRGINEAN, *Library of the LBUS*
- Camelia VOLOSCIUC, *Library of the LBUS*
- Mihaela MANOLESCU, *Library of the LBUS*
- Stana MOȚOC, *Library of the LBUS*
- Radu PAȘTIU, *IT staff, Library of the LBUS.*

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

April 22nd – 24th, 2012, Sibiu - Bucharest
Evangelische Akademie Siebenburgen, Livezii str., no.55, Sibiu

Program of the Itinerant Conference

Sunday, April 22nd

19 -22 Welcome the participants, Registration

Monday, April 23rd

9 -10 Welcome the participants, Registration, Coffee available

10 -12³⁰ **Official Opening of Plenary Session (Conference Center)**

Prof.dr. **Constantin OPREAN**, President of the Academic Senate of the University “Lucian Blaga” of Sibiu, Honorary President of the Conference

Prof.dr. **Ioan BONDREA**, Rector of the “Lucian Blaga” University of Sibiu

Prof.dr. **Werner SCHAAL**, “Lucian Blaga” University of Sibiu

Lect.dr. **Vasile MOȚOC**, General Administrativ Director of the “Lucian Blaga” University of Sibiu

Dipl.Biol. **Ralf BRUGBAUER**, Director of the University Library of Bayreuth, Germany

Prof.dr. **Doina BANCIU**, General Director of the National Institute for R&D in Informatics – ICI, Bucharest

Dr. **Rodica VOLOVICI**, Director of the Library of the “Lucian Blaga” University of Sibiu

Roger PÂRVU, Programme Coordinator at the “Evangelische Akademie Siebenburgen”

Communications Sections

1. Dr. Octavia-Luciana MADGE (University of Bucharest, Faculty of Letters, Library and Information Science Department) - *A New Valence for the Managerial Model in Romanian Libraries: Application of Knowledge Management* – **keynote speaker**
2. Librarian Lenuța URSACHI, Prof.dr.ing. Elena SCUTELNICU (Universitatea "Dunarea de Jos" din Galati) - *New concepts and techniques implemented within Dunarea de Jos University Library of Galati*
3. Andreea STOICIU, Conf.dr. Eva-Nicoleta BURDUȘEL – (The Lucian Blaga University of Sibiu, Faculty of Letters and Arts) - *E-Government for Sustainable Development: Its Impact on Education and Society*
4. Conf.dr. Eva-Nicoleta BURDUȘEL (The Lucian Blaga University of Sibiu, Faculty of Letters and Arts) - *Best practice for successful education and curriculum design*
5. Dr. Doina OSTAFE (President of the ABR section - University Libraries) - *Digital Library for doctoral schools*
6. Dr. Cristina Nicoleta ALBU, librarian Carmen PREDESCU (Central Library of Politehnica University of Bucharest) - *New Trends for Information Dissemination: Open Access and Digital Repositories*

12³⁰-13⁴⁵ Lunch break and coffee

13⁴⁵-14³⁰ Presentations of Digitisation Tools and Software:
János Pancza - Monguz Ltd., Hungary
Walter Brem – Cultware Cluj-Napoca
Esanu C. Ștefan - Z SPOT MEDIA - Platform for Digital library and a platform for document flow (LIMB - YOOLIB).

14³⁰ -17 **Communications Sections**

7. Robert SINKA (Head of Library Information and E-learning Section, Szent István University Kosáry Domokos Library and Archives, Hungary) - *Libraries in digital age. The achievements of Szent István University Kosáry Domokos Library and Archives*
8. Librarian Adriana Simona DANCIU (The Library of the Constantin Brâncuși University of Târgu-Jiu) - *Electronic services study and university libraries in supporting research and e-learning university library*

9. Dr. **Constantin ITTU** (Brukenthal National Museum Sibiu) - *The Brukenthal National Museum Library and some of its 19th century calendars and journals*
10. **Maria ȚIPLIC, Ovidiu CHICEA, Radu CREȚULESCU, Serban Sebastian** (The Lucian Blaga University of Sibiu, Faculty of Humanities) - *3D-Modelling Techniques for Historical Monuments*
11. Associate professor **Agnes ERICH** (Valahia University of Targoviste) - *Research Methodology for Humanities*
12. Lect.dr. **Cristina POPESCU** (University of Bucharest, Faculty of Letters) - *Bibliographic Research, a Sine-Qua-Non Condition of an Efficient Information Culture*
13. **Alina PITIC, Ioana MOISIL, Rodica VOLOVICI** (The Lucian Blaga University of Sibiu, Faculty of Science) - *3D Library - A case study with children age 8 to 10*
14. Dr. **Rodica VOLOVICI, Camelia VOLOSCIUC, Elena MARGINEAN, Stana MOTOC, Mihaela MANOLESCU, Ioan-Irinel VIȘA** (The Library of the Lucian Blaga University of Sibiu) - *Contributions to Developing the Digital Library of the Lucian Blaga University of Sibiu*
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16. **Antoniu PITIC, Daniel VOLOVICI, Andrei TARA, Adi Cristina MITEA** (The Lucian Blaga University of Sibiu, Faculty of Engineering) - *Data Mining in Social networks*
17. **Daniel MORARIU, Radu CREȚULESCU, Macarie BREAZU** (The Lucian Blaga University of Sibiu, Faculty of Engineering) - *Word sense disambiguation for text mining*

Tuesday, April 24th

6³⁰ Departure for Bucharest

12 -16 **The inauguration of the German Language Library of the University Politehnica of Bucharest**

Tuesday, April 24, 2012 in Amphitheater Radu Voinea (AN010)

Statement

12-14 Prof.dr.ing. [Ecaterina Andronescu](#), President of the Academic Senate University of "Politehnica" Bucharest

Prof.dr.ing. [Adrian Volceanov](#), Dean of Engineering Faculty in Foreign Languages

Conf.dr.ing. [Cristian Dragomirescu](#), Coordinating the German study at the Faculty of Engineering in Foreign Languages

Prof.dr.h.c.mult. [Helmut Böhme](#), President of the Technical University of Darmstadt (1971-1995)

Prof.dr.ing. [Constantin Anton Micu](#), Coordinating the German study at the Faculty of Engineering in Foreign Languages, between 1991-2001

Dr.ing. [Cristina Albu](#), Director of the Central Library of the University "Politehnica" of Bucharest

Ing. [Iuliana Rusu](#), Graduate of Engineering Faculty in Foreign Languages

Ing.dr.ec. [Andrei Niculescu](#), Graduate of Engineering Faculty in Foreign Languages

Ing. [Diana Balan](#), Graduate of Engineering Faculty in Foreign Languages

INAUGURATION of the German Language Library of the University "Politehnica" of Bucharest

16³⁰ Closing of the Conference

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Word Sense Disambiguation for Text Mining

*3D-Modelling Techniques for Historical
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Data Mining in Social networks

Section I : INFORMATION LITERACY, EDUCATION

A New Valence for the Managerial Model in Romanian Libraries: Application of Knowledge Management

Dr. Octavia-Luciana MADGE

University of Bucharest, Faculty of Letters,
Library and Information Science Department

For being successful in a globalized knowledge-based economy, contemporary libraries must redesign their management systems and become knowledge driven organizations. Some libraries have already turned into learning and knowledge centres, others invest now in implementing solutions for managing better their knowledge resources, but these initiatives should consider how librarians create, acquire, share and use knowledge effectively.

In this context, the paper presents the elements of a model designed for implementing knowledge management in Romanian libraries and based on a research conducted recently in these institutions. The approach for developing such a model had as a starting point the understanding that application of knowledge management principles can contribute to the development and transformation of libraries into knowledge-based and long-term successful organizations.

Keywords: libraries, knowledge management, managerial model, Romania

Tools for lifelong learning using Information Literacy

Lenuța URSACHI, Elena SCUTELNICU

Dunărea de Jos University of Galați

Every day, the information society is evolving, growing and surprising, offering a great potential for all of us. New trends and concepts, advanced tools and technologies invade our information space encroaching on our mind.

From the financial point of view, Open Source Software (OSS) has become a great opportunity for the less privileged communities. The access to the

information has been amazingly enhanced by Open Access (OA) revolution. The flow of information, through Internet WEB 2.0 tools, convinced the libraries to adapt and offer new services to the beneficiaries.

These challenges could not pass unnoticed by the librarians from “Dunarea de Jos” University. Their attention has been focused on read/write environment or digital technologies. Firstly, the tools - in terms of Open Source and WEB 2.0 - have been applied in order to bring and promote new library services to the users. In the next phase, students and academic community will be involved both as creators and consumers of knowledge too.

The main goal of the present study is to emphasize how “Dunarea de Jos” University Library of Galati has integrated Open Access, Open Source and WEB 2.0 tools to empower its services. Few solutions for improving, extending and including the library services into WEB 2.0 arena have been adopted and implemented in our institution. The research describes the models of OA, OSS and WEB 2.0 tools which are briefly discussed and eloquently illustrated.

The main conclusion of the investigation should be a better strategy of the promotion and incorporation of digital technologies in the academic, but not only, libraries. The openness and creativity on further developments, cooperation in the communication spectrum and active participation represent substantial reasons for the improvement of the interaction's efficiency developed between users and libraries.

Keywords: *Open Access, Open Source Software, WEB 2.0 tools, academic libraries*

Research Methodology for Humanities

Agnes ERICH

Valahia University of Târgoviște

In this paper I'll try to describe the objectives for Humanities Research Methodology course that we support at “Valahia” University of Targoviste, Faculty of Humanities. I will also highlight the skills which the master students will obtain at the end of the course. The aim of the paper is to demonstrate the necessity of this discipline in the university curriculum.

Keywords: *humanities research, higher education, university curriculum*

Bibliographic Research, a Sine-Qua-Non Condition of an Efficient Information Culture

Cristina POPESCU

University of Bucharest, Faculty of Letters

In our high-speed era, information sources are unlimited, the user being the only one capable to filter them. He is the one to decide what type of information is necessary for him, when it is needed, in what format and to what means he has to resort in order to obtain it. Bibliographic resources, both traditional and on the WEB, are numerous, from various domains and answer the most detailed searches. Not only experts, but also readers or “surfers” on the Internet can find numerous data, books, art works, audio registrations, as the Internet space presupposes diversity, complexity, ever enriched resources.

Thus, the actual information climate is under constant change, the ways of being informed undergoing multiple transformations from the point of view of means used, that is classic (such as books, journals) or the most recent, non-traditional ones (the Internet). Non-traditional information resources present the advantage that, by one accessing of a motor search on the Internet there can be identified multiple sites to answer the information needs of a user. Moreover, data bases offer access to pertinent and varied information, conferring a value plus to any research achieved.

Keywords: *research, bibliography, Internet*

Electronic services study and university libraries in supporting research and e-learning university library

Adriana Simona DANCIU

The Library of the Constantin Brâncuși University of Târgu-Jiu

Academic libraries have become new actors in the process of distance learning among other factors of education and research. Due to the new storage media and new channels for transmitting information, university libraries complete the formation of the universities. Libraries are reshaping its services; we speak about electronic references, full text data access, Web resources, that are integral part of university education in the electronic environment.

Concomitantly, e-learning quality assurance becomes a mechanism through which the academic result and performances are improved all the time.

Keywords: *e-learning, quality models in e-learning*

The Brukenthal National Museum Library and some of its 19th century calendars and journals

Dr. Constantin ITTU
Brukenthal National Museum Sibiu

The Library of the National Brukenthal Museum from Sibiu is an 18th century cultural institution, one of the most important libraries in Romania. Its founder was Baron Samuel von Brukenthal, Governor of Transylvania (1777-1787). The collections consist on old books in foreign languages (mainly in German and Latin), as well as old Romanian writings. An important part represents also the collection of periodicals from the 19th century, and books from the same period of time.

From the very beginning, the Brukenthal Library was regarded as the main research centre of Southern Transylvania. Nowadays reality proves that it remained one of the leading cultural Romanian institutions of our country. Researchers from Romania and abroad carry out research work in the library and the results of this activity are mainly published in the periodicals of the museum, as well as in books printed abroad, of course, in foreign languages, especially in German.

I would like to focus my attention of the 19th century periodicals collection of the Brukenthal Library, a collection which includes old German calendars and scientific journals, all of them being relevant for humanities and social science in a multicultural and multilingual framework. It is already known that Sibiu town (as well as its surroundings) has a multiethnic population, especially of Romanians and Germans.

Keywords: *Brukenthal Library, 19th century periodicals, german calendars*

Section III: DIGITAL LIBRARIES

Digital Library for doctoral schools

Doina OSTAFE

President of the ABR section - University Libraries

The paper presents the using of DSpace - open source digital library software - for making a digital library for doctoral schools in Timisoara. This digital library is part of the POSDRU 38347 project – “Local partnership for raising doctoral schools and valuing human potential for research in priority areas in that stage of Romania post accession to the EU”.

New values of University Library in the Digital Age

**Dr. Cristina ALBU, Librarian Carmen PREDESCU,
Librarian Gabriela VASILE**

University Politehnica of Bucharest, Central Library

Today we assist at a transition from the traditional library to a digital library. There have been numerous changes in the way that libraries organize information and how users seek, gain access to, and obtain library materials.

These changes have modified many traditional library services, introduced new terms, and created new library uses. In the Information Age, is needed a digital library because the emergence of digital technology and computer networks has provided a means whereby information can be stored, retrieved, disseminated and duplicated in a fast and efficient manner.

Starting from these aspects the paper focuses on evolving of digital library and development of information technology, on the purpose, challenge and new redesigning of library and librarian in the digital library environment.

Keywords: *digital library, information age, information resources, access, storage, digitisation.*

Contributions to Developing the Digital Library of the Lucian Blaga University of Sibiu

**Dr. Rodica Volovici, Camelia VOLOSCIUC, Elena MARGINEAN,
Stana MOTOC, Mihaela MANOLESCU, Ioan Vișa**
The Library of the Lucian Blaga University of Sibiu

As part of the global strategy, Europe 2020 for a smart, sustainable and inclusive growth, the European Commission adopted the Digital Agenda for Europe[1], a strategy to make the most of the potential offered by the rapid development of digital technologies. In this respect, the LBUS Library is contributing with two digitization projects and is monitoring their development. Participating in the Europeana Libraries project, together with other 25 of the most important professional organizations and research libraries in Europe, has been a valuable professional experience by closely knowing the way of organizing the heterogeneous team of 19 countries, by implementing and following the project, with the aim of achieving the goals, by enriching with over 5 million digital valuable objects, by undertaking the new metadata standard, by establishing a new type of project management, by disseminating the project.

The experience gained we are sharing here, in order to stimulate the resources digitization process in the Romanian libraries, which is still at its beginnings.

***Keywords:** digital library, cultural heritage, digitization projects, Europeana*

Developing skills for information literacy through media libraries - educating the users

Cristina PÂRVU, Christiane BENKÖ, Riana BUCȘĂ
The Library of University “Lucian Blaga” of Sibiu

We live in a world governed by information, but we need the means to evaluate and choose the right information, means provided by literacy, seen as the ability to read, write and think, also, the ability to understand all forms of communication, like non-verbal communication or video and audio communication.

The role of libraries is to develop skills for users in order to give them the right instruments for achieving their academic goals; an important role in communicating to users are the media libraries, that imply a large range of supports for information: text, sound, image; also, in a media library, information can be

transformed and transmitted through various channels: audio recordings, video stripes, e-mails etc.

The nature of all human research resides in the ability to acquire information, to select, combine it in order of creating new worlds, new spaces, broadcasting one's own reality, but in direct or virtual connection to other users.

Keywords: *library role, media libraries, users education*

Libraries in digital age. The achievements of Szent István University Kosáry Domokos Library and Archives

Robert SINKA

Head of Library Information and E-learning Section,
Szent István University Kosáry Domokos Library and Archives, Hungary

Section IV: Information Sciences and Technologies

Word Sense Disambiguation for Text Mining

Daniel I. Morariu, Radu G. Crețulescu, Macarie Breazu

„Lucian Blaga” University of Sibiu, Engineering Faculty,
Computer and Electrical Engineering Department

In the field of WSD there were identified a range of linguistic phenomena such as preferential selection or domain information that are relevant in resolving the ambiguity of words. Using this information for document representation can improve the accuracy of text categorization algorithms.

Mining sense of the words will bring more information in Vector Space Model representation by adding groups of words that have meaning together.

In this paper present some general aspects regarding word sense disambiguation, the common used WSD methods and improvements in text categorization problem using WSD in document representation.

3D-Modelling Techniques for Historical Monuments

**Maria E. ȚIPLIC¹, Radu G. CREȚULESCU²,
Ovidiu CHICEA², Șerban SEBASTIAN**

¹The Institute of Social-Human Research

²“Lucian Blaga” University of Sibiu, Engineering Faculty,
Computer and Electrical Engineering Department

The goal of the virtual reconstruction of historical monuments respectively the Romanic churches then the animation of the model is to provide many possibilities in re-examining the building and to be observed from different angles, “flying” in time and space throughout the medieval monument, and to offer a better understanding of a sequence of the transformation and the changes of the monument during the centuries.

The authors present some common used techniques like 3D-scanning and 3D-modeling using CAD-software.

3D Library - A case study with children age 8 to 10

Alina PITIC, Ioana MOISIL, Rodica VOLOVICI
“Lucian Blaga” University of Sibiu

Software applications created for education have a long history and have evolved in line with the technological development, growing from simple pieces of program to fully fledged eLearning platforms. The fast development of some technologies like computer gaming, which are very attractive to children and teen, may present an opportunity. Using the children as active design participants, we developed a 3D desktop application. The application model the University Library in Sibiu. In this paper we will present some of the results obtained from using the latest version of the “3D-Library” application by a sample of 33 children aged 8 to 10.

Data Mining in Social networks

Asist.drd. **Antoni Gabriel PITIC**, Prof.dr.ing. **Daniel VOLOVICI**,
Andrei TARA, Conf.dr.ing. **Adi Cristina MITEA**
“Lucian Blaga” University of Sibiu, “Hermann Oberth” Faculty of Engineering

The increasing popularity of online Social Networks is proved by the large number of active users, the combined number of users exceeding one billion nowadays. In this paper we will take a look at some of the most important social networks (Facebook, Twitter, LinkedIn) and perform a technical analyze in context of harvesting information for data mining. We will focus on the major technical aspects that will affect the process of gathering data and API integration.