The "Lucian Blaga" University of Sibiu

The LBUS Library

and

University of Bayreuth Library, Germany
Evangelical Academy Transylvania,
Romance Studies Department, Faculty of Letters and Arts, LBUS
Computer Science and Electrical and Electronics Engineering Department, Engineering Faculty, LBUS
VISMA Sibiu
ABR (Romanian Library Association)

The 9TH INTERNATIONAL CONFERENCE in ROMANIA

on

Information Science and Information Literacy

CONFERENCE ABSTRACTS & PROGRAM

April 19th - 20th 2018
Sibiu, Romania

The 9th International Conference in Romania on

"*Information Science* and *Information Literacy*" (CD-ROM) **=**

Rector of the University

Prof.univ.dr.ing. Ioan BONDREA

Honorary President of the Conference

Prof.univ.dr.ing. Constantin OPREAN

University "Lucian Blaga" of Sibiu

Foreword

*The 9th **International Conference in Romania on Information Science and Information Literacy**, Sibiu 2018, 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:
The „Lucian Blaga" University of Sibiu
together with:
University of Bayreuth Library, Germany
Evangelical Academy Transylvania,
VISMA Sibiu,
and ABR (Romanian Library Association).

Guests:

Célia SOUSA VIEIRA, Instituto Universitário da Maia (ISMAI) - Portugal
Célia Vieira is an assistant professor at Instituto Universitário da Maia (ISMAI), a researcher at CIAC (Center for Research in Arts and Communication) and director of the Center of research for Intermediality studies and technologies of ISMAI. She has specialized in the field of comparative literature, with the PhD thesis Theory of the Iberian Naturalist Novel and its French Orientation, and has several publications in the fields of comparative and intermediality studies, narratology, Portuguese literature and digital humanities. She is part of the international research group Labex Naturalisme Monde, from ITEM-CNRS.

Arja Ellen Mäntykangas, lecturer, PhD, Swedish school of Library and Information Science

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

Andrea WOLFF-WÖLK, Library Director – Phillips Universität Marburg

Chairman**: Dr Gudrun-Liane ITTU**
Graduated from the University of Bucharest, Faculty of Philosophy, Sociology Department (1978) and worked until 1991 as an industrial sociologist in several plants in Sibiu County and in Sibiu.
In 1991 she became a museologist at the Art Gallery of the Brukenthal-Museum, and during the academic year 1994-95 she was a grand holder of the MA program of the Central European University in Prague, Department of Art history and Philosophy of Art.
From 1997 to 2003 she was PhD candidate at the "Lucian Blaga" University of Sibiu, her thesis dealing with the cultural life of the German minority between 1945 and 1989.
In 1999 she became researcher, later senior researcher, at the Institute for Social Sciences and the Humanities of the Romanian Academy, Sibiu branch, where she worked until 2015 when she retired. Her main fields of interest are 19th and 20th century fine arts, the European vanguard movement as well as art and culture of the German minority in Romania.
Dr. Gudrun-Liane Ittu is author of 7 books and co-author of 3. She has also contributed about 100 articles and scholarly papers to journals from Romania and abroad. Since 2016 she conducts research at the Library of the "Lucian Blaga" University Sibiu.

TOPICS AND FOCUS

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

Main Theme:
"The Libraries & Information Science"

Actual Subjects:

Open Science in the Libraries
- Open Access Publication
- Research Data Management
- Information Science / Open Access
- Worldcat

Libraries & Information Science
- 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. Ioan BONDREA, *Rector of the "Lucian Blaga" University of Sibiu*
- Prof.univ.dr.ing. Constantin OPREAN, Honorary President of the conference
- Prof.dr. Werner SCHAAL - University Philipps Marburg, Germany
- Prof.univ.dr. Andrei TERIAN, *"Lucian Blaga" University of Sibiu*
- Prof.univ.dr. Daniel VOLOVICI, *"Lucian Blaga" University of Sibiu, Computer Science and Automatic Control Department (CSAC)*
- Conf.dr. Dragoş VARGA, *"Lucian Blaga" University of Sibiu*
- Dipl.Biol. Ralf BRUGBAUER, *University of Bayreuth Library (Bavaria), Germany*
- Lect.univ.dr. Cristina ALBU, *University of Bucharest, Romania*
- Conf.dr.ing. Macarie BREAZU, *"Lucian Blaga" University of Sibiu, CSAC*
- Conf.univ.dr. Eva-Nicoleta BURDUŞEL, *"Lucian Blaga" University of Sibiu*
- Prof.univ.dr. Ioana Narcisa CREŢU, *"Lucian Blaga" University of Sibiu*
- Conf.dr.ing. Radu CREŢULESCU, *"Lucian Blaga" University of Sibiu, CSAC*
- Dr. Olimpia CURTA, *Central University Library, Cluj-Napoca, Romania*
- Dr. Eva-Maria DICKHAUT, *University Philipps Marburg, Germany*
- Prof.univ.dr. Agnes ERICH, *Library of the "Valahia" University of Târgovişte*
- Lect.univ.dr. Constantin ITTU, *Library of the "Lucian Blaga" University of Sibiu*
- Dr. Gudrun-Liane ITTU, *Library of the "Lucian Blaga" University of Sibiu*
- Prof.univ.dr. Octavia-Luciana MADGE, *University of Bucharest, Romania*
- Conf.dr.ing. Daniel MORARIU, *"Lucian Blaga" University of Sibiu, CSAC*
- Roger PÂRVU, *Project coordinator, Evangelische Akademie Siebenburger, Romania*
- S.l.dr.ing. Antoniu PITIC, *"Lucian Blaga" University of Sibiu, Computer Science Dept.*
- Prof.univ.dr. Dana SIMIAN - *Lucian Blaga University of Sibiu, Sciences Faculty*
- Lect.univ.dr. Rodica VOLOVICI, *Library of the "Lucian Blaga" University of Sibiu*
- Dr. Andrea WOLFF-WöLK, *University Philipps Marburg - Library, Germany.*

Organizing Committee:

- Lect.dr. Rodica VOLOVICI, *Conference Coordinator, Library of the "Lucian Blaga" University of Sibiu, România*
- Prof.univ.dr. Daniel VOLOVICI, *Scientific Coordinator, LBUS, Computer Science and Automatic Control Department*
- Sorin ROTARIU, *Manager VISMA Sibiu*
- Roger PÂRVU, *Project coordinator, Evangelische Akademie Siebenbürgen*
- Ioan-Irinel VIŞA, *IT coordinator, Library of the LBUS*
- Elena MĂRGINEAN, *Library of the LBUS*
- Camelia VOLOSCIUC, *Library of the LBUS*
- Cristina PÂRVU, *Library of the LBUS*
- Liliana OPRESCU, *Library of the LBUS*
- Riana BUCŞĂ, *Library of the LBUS*
- Radu PAŞTIU, *IT staff, Library of the LBUS*.

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The 9th International Conference in Romania on
Information Science and Information Literacy
April 19th – 20th, 2018, Sibiu

Program of the Conference

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Thursday, April 19th - **Evangelical Academy Transylvania, Livezii str., no.55, Sibiu**

8[00] - 9[00] Welcome the participants, Registration & Coffee

9[00] **Official Opening of Plenary Session**

Welcoming speech of the "Lucian Blaga" University of Sibiu and Evangelical Academy Transylvania representatives.

9[15] -10 **Keynote presentation**

Célia SOUSA VIEIRA, Instituto Universitário da Maia (ISMAI) - Portugal –
"Digital epistolary libraries: the digital edition of Emile Zola's correspondence"

Chairman**: Dr Gudrun-Liane ITTU**

Paper presentations

10-11 **Arja Ellen Mäntykangas** (lecturer, PhD, Swedish school of Library and Information Science) - Challenge in creating a theoretical framework for library management in Finland, Romania and Sweden

Pisarenko Liudmila Mikhailovna, Osipov Alexander Vladimirovich ("P.M. Masherov" Vitebsk State University , Republic of Belarus) - The main directions for creating a repository in the institution of higher education of the Republic of Belarus

Lyubchenko O.A. (Education establishment «Vitebsk State P.M. Masherov University», Republic of Belarus) - Formation of information competence in the conditions of library educational environment

Cristina ALBU (Library Director, University POLITEHNICA of Bucharest) - Trends in reducing the distance between academic library and its users by applying innovative management tools

Robert CORAVU * , Mihai CONSTANTINESCU ** (*PhD-Lecturer ; **PhDc - University of Bucharest, Faculty of Letters) - A Study in Gold: Top Romanian Academic Journals and Their Open Access Policies

11-11^{15} Coffee break

11^{15}-13^{30} **Ana Maria ROMAN-NEGOI** (Ph.d., "1 Decembrie 1918" University of Alba Iulia, Department of History, Archeology and Museology) - Efforts for the digitization of the books in Romania (2008-2018). Challenges and achievements

Octavia-Luciana MADGE (Associate Professor, PhD, University of Bucharest, Faculty of Letters, Department of Information and Documentation Sciences) - Information and Learning in Digital Environments

Cristina Ioana ROIU (Romanian Academy Library, Bucharest) –1. "A key point of GLAMs" strategy in the 21st Century - Building Communities
2.- Building communities and measuring the impact of cultural activities in Europeana's Way (Workshop)

Florentin BOTA, Dana SIMIAN ("Babeş-Bolyai" University , "Lucian Blaga" University of Sibiu) - "Using intelligent systems to promote e-libraries on social media"

Dana SIMIAN, Darius HAŢEGAN ("Lucian Blaga" University of Sibiu, Romania) - The use of mobile applications in the libraries activity

Dana SIMIAN, Petrică BOTA, Robert SĂNDICĂ ("Lucian Blaga" University of Sibiu) - Digital augmentation of a photo library

Nicolaie CONSTANTINESCU (kosson.ro, Information architect) - - Open Science and research data management – Workshop

13^{30}-15 Lunch break

15-17 **Daniel VOLOVICI** ("Lucian Blaga" University of Sibiu) – The Wisdom of Crowds: dialectical bootstrapping with applications for acquiring knowledge

Radu G. CREŢULESCU, Daniel I. MORARIU, Macarie BREAZU ("Lucian Blaga" University of Sibiu) – Improving the Web search using search engines query modifiers

Claudia Cîrcioroabă, Mihai Stancu, Daniel I. MORARIU ("Lucian Blaga" University of Sibiu)- Anomaly detection on the real production traffic

Ioana Narcisa CREŢU*, Cristina PÂRVU** (***Prof.univ Dr.; ** Assist.univ.drd.**) - Library communication in the spotlight – How to efficiently engage the users in a positive dialogue

András Bándi (The Library of the Cultural Dialogue Center "Friedrich Teutsch", Sibiu) - "Historische Bücherkataloge im Zentralarchiv der Evangelischen Kirche A. B. in Rumänien - Das Miles-Fragment"

Gudrun-Liane ITTU, Constantin ITTU (Dr., Library of the Lucian Blaga University of Sibiu) - Photography of an Epoch: Sibiu Studios 1854-1948

Constantin ITTU*, Iuliana Govoreanu Constantinescu **(*Dr.; Librarian -
19 Library of the Lucian Blaga University of Sibiu) - "Open the Book": Devotional Gesture Regarding the Old Romanian Orthodox Prayer Books.

Dinner

Friday, April 20th

9³⁰ -11³⁰   **Paper presentations**
Andrea WOLFF-WÖLK, Riana BUCŞĂ (Library Director - Phillips Universität Marburg; Lucian Blaga University of Sibiu) - "Books take a long journey" / "Bucher machen eine weite reise" – Partnership of the two University Libraries of Sibiu and Marburg promoted in the German press

Ana GRAMA BRESCAN (Dr., Transylvanian Association for Romanian Culture and Literature of Romanian People - ASTRA) - The Archbishopric of Vasile Moga (1810-1845). Documentary contributions to a possible actualization of the research regarding Moga's Period

Rodica VOLOVICI, Elena MĂRGINEAN, Liliana OPRESCU, Ioan VIŞA - (The Library of the "Lucian Blaga" University of Sibiu) - Considerations on Service Quality in a Modern Library and on the Impact on Supporting Education and Research. Case Study - the LBUS Library

Mihaela Antofie, Rodica Volovici, Constantin Ittu, Gudrun Liane Ittu, Elena Marginean, Camelia Volosciuc, Liliana Oprescu, Cristina Parvu, Ioan Vişa ("Lucian Blaga" University of Sibiu) - The cultural project "The picture of an epoch: 1854-1948. Photographic studios in Sibiu". Presenting the results

Section : Libraries & Information Science

Challenge in creating a theoretical framework for library management in Finland, Romania and Sweden

Arja Mäntykangas

lecturer, PhD, Swedish school of Library and Information Science

In this paper the challenge of creating a theoretical framework for library management in different countries, namely in Finland, Romania and Sweden, is described and discussed. Management as an academic discipline is diagnostic and interdisciplinary to its nature but how can a researcher overcome the aspect of different cultures in different countries that are expected to be? In this presentation the author presents a framework used in a recent study of those three countries (Mäntykangas 2017). The framework is compared with building blocks and is based on the idea of the managers´ responsibilities on different levels where the highest level is the contributions to the society.

Keywords: library management, different countries, Finland, Sweden, Romania

The main directions for creating a repository in the institution of higher education of the Republic of Belarus

Pisarenko Liudmila Mikhailovna, Osipov Alexander Vladimirovich

"P.M. Masherov" Vitebsk State University , Republic of Belarus

The issues of creating an institutional repository in the institution of higher education of the Republic of Belarus are considered. The experience of the scientific library of the VSU named after P.M. Masherov has been consecrated in providing open access to the organization's publications.

Keywords: institution of higher education, VSU named after P.M. Masherov, institutional repository, open electronic archive, repository rating, university library, Republic of Belarus, Digital Library

Formation of information competence in the conditions of library educational environment

Lyubchenko O.A.

Education establishment «Vitebsk State P.M. Masherov University», Repudlic of Belarus

In the formation of information competence, the primary role is played by a «specially designed educational environment based on the interaction of the library and the educational institution». Therefore, each library has the opportunity to prepare an information-competent personality, even without resorting to the development of all sorts of new teaching methods for the formation information competence, but improving its educational environment, taking into account the need to raise this level. And, despite the fact that the process of creating an environment that will nourish information competence longer than the development of a new teaching methodology, the results will be more ambitious, since the environmental methodology is synergistic.

Keywords: information competence, library educational environment, educational resources, information requirements, scientific research.

Information and Learning in Digital Environments

Octavia-Luciana MADGE

Associate Professor, PhD, University of Bucharest, Faculty of Letters, Department of Information and Documentation Sciences, octavialucianamadge@yahoo.com

The way in which processes such as learning, teaching, research, and documentation are organized and carried out, but also their objectives and evaluating criteria have experienced significant changes over time. The main institutions wherein such activities take place, be it schools, universities, libraries or other types of structures, have also undergone substantial transformations. For an analysis of the latest developments in this field, this paper addresses the way in which universities and libraries have integrated new technologies and applications based on the samewithin their activity to facilitate and improve the learning and information processes. Many higher education institutions have sought to incorporate digital games into the educational process, starting from the idea that such process would provide a better involvement of students in the learning process. In some cases, there was even substantial support for creating gaming-based environments. These are allegedly useful for the problem solving process and the development of communication skills. They would also teach students to learn independently, to cope with new challenges and also to perform much better in the retrieval of information. In the field of information literacy and library training, a

rethinking of teaching methods has occurred in order to develop students' digital information skills and to facilitate their learning experience.

Efforts for the digitization of the books in Romania (2008-2018). Challenges and achievements

Ana Maria ROMAN-NEGOI

Ph.d., "1 Decembrie 1918" University of Alba Iulia, Department of History, Archeology and Museology, http://diam.uab.ro

The books modelled in time consciousness and mentalities, presenting a continuously increasing cultural, social and national function. In the same time, the books have economical function, due to the fact that the editing formulas, the costs, the destinations and the priority of the contents are aspects with a rapid dynamics. The 21st century is the time when the effort of the Romanian historical research makes visible efforts to synchronise with the tendencies of the EU research, through researches concretised in working instruments, destined to support the resize and the fluidisation of the knowledge, integrating it into a dynamic scientific circuit. These efforts, either belonging to a singular researcher or to a collective of researchers, target at the present time ambitious aims related not only to the scientific investigation of the books, but also to the development of strategies meant to ensure the rapid access to information. Thus, the digitization of the cultural and scientific values as preservation of the identity and support for future researches represents only one cultural strategy, in full progress in Romania.

Important roles in this matter have the Directives and the Recommendations of the European Union, who initiated and supported a common policy for the entire European space, including through projects financed directly by the European Commission, e.g. Europeana Digital Library in 2008. The Romanian specialised institutions answered to these directives and recommendations so, starting with 2008, there is in Romania an institutionalised effort for the preservation and valuing of the Romanian patrimony through digitization. The present study aims, at a decade distance from the beginning of the institutionalised efforts for the digitalization of the patrimony, an analysis of the concrete achievements and of the Romanian stage in the digitization of the cultural patrimony, especially the digitization of the books.

A Study in Gold: Top Romanian Academic Journals and Their Open Access Policies

Robert CORAVU*, Mihai CONSTANTINESCU**

*PhD - Lecturer, **PhDc, University of Bucharest, Faculty of Letters

The study aims to offer an image of the Romanian Open Access journals indexed in Web of Science and Scopus. After the identification of the Romanian journals included in these bibliometric databases, some characteristics, such as their inclusion in DOAJ and/or ROAD, the use of Creative Commons licenses and the application of processing/submission charges are presented. The conclusions of this analysis offer a perspective on the Open Access movement and its influence on Romanian scientific publishers.

Keywords: Open Access, bibliometric databases, scientific journals, Romania

Open Science and research data management (workshop)

Nicolaie CONSTANTINESCU

Information architect , kosson.ro

There are many efforts put in realizing an important jump towards a new industrial model named generically "The Fourth Industrial Revolution". European Union aims to accomplish a Digital Single Market based on a Digitisation of the European Industry. Part of this initiative is realizing the European Cloud and a fair amount of the capabilities will be dedicated to Open Science. The communities of library practicioners will be pressed to find sollutions to management of the research resources let that be simple ones like peer-reviewed works, or compound resources having also datesets in a resource aggregate. This subject of Open Sciences aims to engage the participants in close connection to the skills requirements begining from the policies, up to valorisation of the research outputs. An accent will be set on the existing information frameworks and the necessary practice norms.

Keywords: Open Science, European Union, Digital Single Market, Digitization

The use of mobile applications in the libraries activity

Dana SIMIAN, Darius HAȚEGAN

Prof.dr., University „Lucian Blaga" of Sibiu, Faculty of Science

Nowadays, the use of computers in library activities management became a necessity. There are many applications addressed to libraries management but most of them are dedicated only to some particular activities like books inventory or management of useful information for customers. Most of these applications are desktop applications.
On the other hand, a major trend of our day is to spend as little time as possible for each activity. Here we can include shopping, renting books and others.

The aim of this paper is to propose a mobile app designed for improving the management of library activities offering in the same time to customers the possibility of easier access from distance to library services.
We conducted a survey of different applications to manage activities in different areas involving a customer relationship. This survey has revealed many useful features. We've combined many of these features in a new way and created an easy-to-use application. One feature is the ability to create a wish list. Another nice feature is to share the list of books read with friends on social media.

We named our mobile application "Library Management System". The focus of the application, in the first version, is to offer a booking system, on smartphones, for favourite books . Assuming that the reader wants some books but does not have enough time to wait at the library, he can reserve preferred books and after that he can see the details about booking date or when he should return the book to the library. Starting with this, we aim to create a link our application to the electronic inventory of different libraries, allowing readers to see if a book is available in a library.

Our project is divided into two applications, one for librarians and one for readers. The one created for librarians is used to manage book inventory (add / remove books), to prepare rental orders, and to make other settings for the customer application. The client application allows the reader to view books by category, create a rental order, and have a rental history. As a future development, we want to give our users the opportunity to see more information about the book (for example, the book summary), expand the returning term of books, and so on.

In conclusion, we provide a mobile application to help librarians in the management of the digital books inventory and the customers in accessing library services and managing the renting books process. The use of our application will also diminishes the paper usage in the books management activities.
Keywords: mobile application, library management, digital books

Using intelligent systems to promote e-libraries on social media

Florentin BOTA*, Dana SIMIAN**

* "Babeş-Bolyai" University , ** "Lucian Blaga" University of Sibiu

This research presents an autonomous intelligent system which can be used to interactively promote libraries or other text-based organizations, based on machine learning technologies and user-generated data. The proposed system consists of three main phases: a learning phase where a Recurrent Neural Network is trained using a selected number of texts, a data-analysis phase where we search and classify users-generated content to model their preferences and a final phase, where the information is used to make targeted recommendations for the potential readers. User data can be provided on-line via social-media applications or off-line for large data sets which provide better results. Social media can be used to automatically promote the selected items to the corresponding users and even choose which users should be targeted for a better reach, based on their social network.

Keywords: Intelligent systems, e-libraries, social networks

Digital augmentation of a photo library

Dana SIMIAN, Petrică BOTA, Robert SĂNDICĂ

"Lucian Blaga" University of Sibiu, Faculty of Science

The aim of this paper is to present the design and development of a Mobile Augmented Reality based application, capable to offer a new way of viewing the photos and panoramas. The main idea is that the user can visualise a photo and interact with it.
Our app gives the user the possibility to use its own smartphone to enjoy the benefits of augmented reality when visualising a photo collection in a digital library.
The app uses recent IT technologies to increase the interest of readers in accessing the photos collections.
Different kinds of interactions will be possible: displaying information about the photo, displaying 3D objects on the photo and animating them.
The overall project intended benefits are to increased knowledge in the field of photography, to capture the multicultural views of European (early) photographers, and increase the value of the cultural heritage, making a lift from the 2D photo to a 3D scene through the new IT technologies.
The technology shouldn't replace elements of our live but rather enhance them. This was the starting idea of our project

Keywords: augmented reality, digital, photo, library

Library communication in the spotlight –
How to efficiently engage the users in a positive dialogue

Ioana-Narcisa CREȚU*, Cristina PÂRVU**

Lucian Blaga" University of Sibiu, *Prof.univ.dr. at Faculty for Social Sciences and Humanities; **Assist.univ.drd. at Faculty of Letters and Arts, Information and Documentation Science Department

Communication skills training draws attention to the power and the fragility of words in communication. Proper communication should avoid label words or words that evoke unwanted images. Efficiency in communication is to avoid spontaneous associations, negative words or traps, and parallel information transmitted with the message itself. The betrayal of words in communication is generated by ambiguity, generalization or abstraction. Using a transformative vocabulary allows focusing on the energy of positive words.

Keywords: library communication, transformative vocabulary

The Wisdom of Crowds: dialectical bootstrapping with applications for acquiring knowledge

Daniel VOLOVICI

Prof.dr.ing. , "Lucian Blaga" University of Sibiu, Engineering Faculty, Computer Science and Electrical and Electronics Engineering Department

The wisdom of crowds is a concept related to obtaining a combination of many individuals opinions and the belief that combined opinion is more valuable than the opinion of a single expert. In this paper, we will present the problems related to this idea in the context of the Computational Social Choice and Majority Judgement. We will try to present the conditions for that model to be more valuable than the opinion of one expert. And, in the end, we will present some possible applications in the field of learning machines to use the grammar of Romanian written texts.

Keywords: learning machine, wisdom of crowds, computational social.

Improving the Web search using search engines query modifiers

Radu G. CREȚULESCU, Daniel I. MORARIU, Macarie BREAZU
"Lucian Blaga" University of Sibiu, Engineering Faculty,
Computer Science, Electrical and Electronics Engineering Department

The amount of information stored in the Web is huge and without help from search engines it becomes almost impossible to find what you want. The search engines try to index as many web pages as possible. For example, the actual number of indexed web by the Google and Bing search engines is given by http://www.worldwidewebsize.com/. On April 3rd 2018 there were over 45.5 billion webpages indexed by Google and just over 4 billion web indexed by Bing. Even with the help of search engines, the number of addresses of pages returned by them for a simple query is quite large and we, as people, must look through those pages to find what we are really interested in. Finding the URLs in such huge data space is challenging and requires some special techniques for refining and reducing the number of returned addresses. In our paper we present some interrogation modifiers and search operators used by the Google search engine to reduce significantly number of the search results and to increase the quality of that results. The presented techniques and command for search engines can be used for finding similar web pages or even to find web pages to repeated information from another sources.

Keywords: Search engines, Google Search operators, similar web pages

Anomaly detection on the real production traffic

Claudia Cîrcioroabă[1, Mihai Stancu[2, Daniel I. Morariu[3,
[1,3]"Lucian Blaga" University of Sibiu, Engineering Faculty, Computer Science and Electrical and Electronics Engineering Department, Românîa
[2]"Lucian Blaga" University of Sibiu, The Faculty of Economics, PhD Student, Românîa

Information about user activity which are collected by web servers is becoming bigger and bigger and the ability to monitor and protect this information becomes critical. Due to this large amount of information, automated detection of certain anomalies in them is very important in areas such as network communication problems, network intrusion detection, fraud and server monitoring. Anomalies are referred to the problem of finding patterns in data that do not match to the expected behavior, and anomaly detection is intended to detect those patterns that are different from the rest of the data. This article presents a series of methods taken from the statistical data analysis to modify data representation so that we can more easily detect anomalies. To analyze the proposed methods, we used datasets provided by Yahoo, which are labeled datasets. As learning

algorithm, the Fuzzy C-Means algorithm is used, which allows us to learn the gain confidence for each of the analyzed samples that belonging or not to the anomaly category. Representing data normalized as relative to their average generate the best results in detecting anomalies.

Keywords: Anomaly detection, Clustering, Fuzzy C-Means

Photography of an epoch 1854-1945. Sibiu photo studios

Gudrun-Liane ITTU, Constantin ITTU
Dr., Library of the "Lucian Blaga" University of Sibiu

The paper entitled "Photography of an Epoch 1854-1945. Sibiu photo studios" is aiming at presenting a project initiated by the Library of the "Lucian Blaga" University and co-financed by the Local Council and the City hall Sibiu through the Cultural Agenda 2017. The project of the library was part of a larger one "Values of traditional knowledge in supporting „Sibiu – gastronomic region 2019", which was carried out by several faculties of the University of Sibiu. Our intention was to study and promote through publications, exhibitions and a dedicated platform the rich photographic heritage of our city, which is almost unknown. The first permanent studio opened in 1854 and until the end of WWI there were active about 37, some of them ephemerides, while others functioned for tens of years. Numerous photographers became well known and enjoyed international recognition.
Keywords: 18th century photo studios, Sibiu, early photography

"Open the Book": Devotional Gesture Regarding the Old Romanian Orthodox Prayer Books

Constantin ITTU*, Iuliana GOVOREANU**
*Dr., Library of the "Lucian Blaga" University of Sibiu, **Theological Library

The paper is aiming at presenting the meaning as well as the symbolism of a devotional gesture regarding the old Romanian Orthodox Prayer books, namely open the book or, deschidera cărţii, în Romanian. In order to be fulfilled, the gesture or the parctice needs the presence of (at least) two characters, one being the priest, and the other one, either a religious believer or group of believers. Within this framework, the priest should be regarded as a consecrated person, and not as a magician. The third element of the ritual is the devotional prayer book, which has to be open by the religious believer, under the priest surveillance. The ritual is regarded as belonging to the Christian Orthodox Tradition, not as a pre-Christian ritual which survived through the ages.
Keywords: prayer book, Christianity, Orthodox tradition.

The Archbishopric of Vasile Moga (1810-1845).
Documentary contributions to a possible actualization of the research regarding Moga's Period

Ana GRAMA BRESCAN

PhD. In History, Transylvanian Association for Romanian Culture and Literature of Romanian People (ASTRA)

The present material aims at realising an excursion into theTransylvanian universe at the beginning of the 19th century, marked by the re-installation of the Romanian Orthodox hierachy due to the bishop Vasile Moga (1774-1845). The article focuses on the context and the machinations behind bishop V. Moga's consacration, the ecclesistical and architectural policy (bishop V. Moga being the first spiritual leader that has managed to get into the fortress of Sibiu through acquiring a new building), the educational guidelines (through the foundation of "the priests' school" and of "the teachers' school" from Sibiu as well as supporting some young students within the great European universities), the bishops' relations with the subordinated clergy (priests, protopopes, consistory assesors, theologians) and practice of promoting, the relation with the Greek-Catholic Church from Transylvania and also the relation with the scholar Gheorghe Lazar. Significant passages are dedicated to the comarative analysis of the personality and of the activity of the two great Transylvanian Orthodox leaders from the 19th century: Vasile Moga and Andrei Saguna.

Considerations on Service Quality in a Modern Library and on the Impact on Supporting Education and Research. Case Study - the LBUS Library

Rodica VOLOVICI, Elena MĂRGINEAN, Liliana OPRESCU, Ioan VIȘA

The Library of the "Lucian Blaga" University of Sibiu

To achieve high academic prestige and better funding, universities try to ensure the best conditions for research, and libraries play a fundamental part in ensuring the necessary support to the basic educational process and to the scientific and research activity. In its capacity of information and documentation centre, the library offers access to quality information, be it traditionally - through proper book purchasing, or by accessing recent scientific data bases. For modern libraries, is it a challenge to develop new quality services, by improving classic services through information technology. Quality assurance with a view to meeting users' demands is one key to success. This paper reveals the research on improved services offered by the LBUS Library.

Keywords: higher education, library services, quality assurance, library survey

"Books take a long journey" / "Bucher machen eine weite reise" – Partnership of the two University Libraries of Sibiu and Marburg promoted in the German press

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Within the framework of the partnership, between the "Lucian Blaga" University Sibiu and the Phillips University Marburg, the LBUS Library received in 2017 a donation of 1000 books.

An article about this partnership was published in the local press in Marburg, "Oberhessische Presse" from 3rd February 2018.

We are pleased to share this partnership possible due to the support of Mr. profesor Werner SCHAAL, former president of the University in Sibiu and Mrs. Andrea WOLFF-WÖLK, director of the University Library Marburg. Our thanks go to our friends in Marburg.

Keywords: universities partnership, Marburg, Sibiu

The cultural project "The picture of an epoch: 1854-1948. Photographic studios in Sibiu". Presenting the results

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"Lucian Blaga" University of Sibiu

Throughout 2017, within the cultural agenda of the Sibiu City Hall, the University's project: "Values of traditional knowledge in support of the European Gastronomic Region Sibiu 2019" was carried out. It was co-financed by the Sibiu Local Council and the City Hall of Sibiu, Contract no. 71065/4 sept 2017.

The library of "Lucian Blaga" University of Sibiu participated with its own project: " The picture of an epoch: 1854-1948. Photographic studios in Sibiu .Valorisation and digitization".

The activities took place at the ULBS Library, Str. Lucian Blaga no. 2A.

On November 28, 2018, the ULBS Cantina in Blvd. Victoriei nr.31 held the closing event of the project, where the activities were presented, the results obtained and a synthesis

of the information in the field, all in a report on the inventory of genetic resources for food and agriculture.

Within this program, Lucian Blaga University Library organized an exhibition on "The picture of an epoch: 1854-1948. Photographic studios in Sibiu", an integral part of the project of the Sibiu University.

Through this project, both those involved and those who were present at the events had the opportunity to discover and to know a local history treasure transposed into perishable images such as photographs, but not one that closes to the past, but which open up new perspectives for the future, with both interculturality research, between close or related fields, and multidisciplinarity, between seemingly non-related domains.

The event was carried out by the team involved in the project:
Library Project Coordinator: Dr. Rodica Maria Volovici
Documentary Coordinator: Dr. Constantin Ittu
Research-documentation: Dr. Gudrun-Liane Ittu
Metadata processing: Elena Mărginean,
Camelia Volosciuc,
Liliana Oprescu
Project Promotion & Public Relations: Drd. Cristina Pârvu
IT Coordinator: Eng. Ioan Vişa