

JOURNAL OF INFORMATION SYSTEMS & OPERATIONS
MANAGEMENT

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FOREWORD

In 1991 the Romanian-American University was established in Bucharest, Romania, an institution entirely committed to promoting the values of American academic education on the background of the rich traditions of the Romanian education well-known abroad.

The initiator and founder of this university is Professor Ion Smedescu Ph.D., Rector of the Romanian American University, President of the Romanian American Foundation for the Promotion of Education and Culture, active member of the New York Academy of Sciences.

The university comprises six Faculties, whose number of students is more than 15.000:

- The Department of Studies for European Economic Integration;
- The Department of Management - Marketing;
- The Department of Domestic and International Commercial Financial - Banking Relations;
- The Department of Domestic and International Economy of Tourism;
- The Department of Computer Science for Business Management;
- The Law School.
- We also have approximately 2.000 students enrolled in graduate programs. Our main focuses are business and law.

The university has been accredited through Law nr. 274 as of May 15, 2002, and operates as a higher education institution enjoying its full rights, as well as facing its due responsibilities. The university is a statutory warrant for its students, as well as a guarantee of stability, promotion and increased performance of its academic body.

For more information: www.rau.ro

Starting with the academic year 2002-2003, the Ministry of Education and Research gave the Romanian-American University from Bucharest the approval to organize

Master's Degree programs. There are currently 9 ongoing Master's Degree programs organized by majors and coordinated by the respective departments in the University.

The students enrolled in the Computer Science in Economics MS program present the results of their research activity in the "INFORMATION SYSTEMS & OPERATIONS MANAGEMENT" workshop. Each of the five editions of this workshop, which took place during the semesters of each academic year, have been honored by students from abroad enrolled in the BRIE MA Program organized by the Academy of Economic Studies and in the "Computer Science" Program organized by the University "Politehnica" Bucharest. The first number of the "JOURNAL OF INFORMATION SYSTEMS & OPERATIONS MANAGEMENT" contains the representative papers selected from the five editions of this workshop.

We express our thanks to participants, to our colleagues from the Romanian- American University, Academy of Economic Studies and University "Politehnica" Bucharest, whose efforts, skills and understanding contributed to the welfare of the workshop. We would also like to thank the authors of these projects for presenting their research. In particular, we thank the chairmen of the different sections for their continuous support, our gratitude to Professor Ion Ivan and Professor Ion Bucur, two of the initiators of this project. We also like to thank our Assistant Professor Gabriel Eugen Garais and Assistant Professor Mariana Coancă for their diligence in preparing the final version of the projects.

Bucharest, November, 2007

Professor Virgil Chichernea, Phd
Romanian –American University
Dean of the Department of
Computer Science for Business Management

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University “Politehnica” of Bucharest

Accounting formulas implementation in C++ applications

**Marius Popa
Melos AHMETI
Imer HALITI
Besim KAMBERAJ
MA Students BRIE**

Abstract

In this paper are presented some concepts regarding the accounting, especially the financial accounting. Also, there are presented some examples on inventory activities and the way in which these are implemented in C++ applications, using various data structures. There are presented some considerations regarding the software using in accounting.

The Effectiveness Of Bytecode Decompilation

Robert Enyedi
MA Students BRIE
renyedi@yahoo.com

Abstract

High-level bytecodes used by object-oriented managed execution environments make it easy to decompile them. This paper studies the reasons that make bytecode decompilers such efficient and presents basic obfuscation techniques as an efficient protection against binary code reverse engineering.

International Portfolio Investment

Doina Chichernea

MBA – Toledo , Ohio, SUA

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Abstract

The focus of this paper is to analyze the feasibility of international portfolio diversification for a potential US investor with a moderate risk aversion. The first section includes the benefits of international portfolio investment with a special emphasis on the diversification aspect. The changes in correlations over different periods are discussed and the investments time horizon importance is stressed. The second section presents the additional costs incurred by maintaining an internationally diversified portfolio, including the risks and constraints involved. The conclusion contains a set of recommendations for a potential investor interested in internationally diversifying his portfolio.

Programming Systems

Kamen BOZOV
BRIE Giurgiu

Abstract

The emphasis in open programming lies on two things: interaction, and being dynamic. For example, a Web browser supporting plug-ins to extend its functionality (for instance to handle new content types) at run-time is open, a Web server allowing new handlers for specific resources to be added and replaced dynamically is open, and a compute server that allows clients to submit arbitrary program fragments as compute requests is open.

E-Commerce Project Management Implementation

**Phd. Ion Ivan, Saha Priyatosh, Asist. Cristian
Toma**

Abstract

The term eBusiness and eCommerce have many definition in IT fields. One of them is that the *eBusiness* is the integration of a company's business including products, procedures, and services over the Internet [ANIT00]. Ussualy and in practice a company turns its business into an eBusiness when it integrates the marketing, sales, accounting, manufacturing, and operations with web site activities. An eBusiness uses the Internet as a resource for all business activities.

Entity Complexity of Informatics Application Interface Type

Ion IVAN

Marius POPA

Economic Informatics Department

Academy of Economic Studies Bucharest, Romania

Saha PRIYATOSH

PhD student, Bangladesh

Abstract: It is defined the informatics application interface concept and it is presented the role of this one in software using. There are pointed out the interface characteristics and the factors which lead to their efficiency. The software interfaces are classified on the base of many criteria. There are defined evaluation indicators for interface complexity that build the picture regarding operation facility of informatics application and their adaptation to new problem requirements.

Keywords: complexity, interface, entity.

eBusiness Master Programs Overview

**Professor Floarea Năstase PhD.
and
MA Students BRIE
Senior Lecturer Răzvan Zota PhD.
Assistant Lecturer Radu Constantinescu**

Abstract

In the new Information Society of this new millennium the use of Information and Communication Technology (ICT) is essential for the individual's education and training. A major buzzword nowadays, e-business represents the new trend of the business. In order to become or to remain competitive as a business in the industry or in another field of activity, all the businesses have to become "e". The e-Business Master Program from ASE Bucharest is an interdisciplinary initiative aimed to bring new perspectives to graduated young people and also to other categories of persons interested to discover the challenges of the new net-economy.

Management of Tutorial Software Quality Programs

Professor Ion Ivan Phd.
Academy of Economic Studies Bucharest, Romania
Email: ionivan@ase.ro

Abstract

The paper presents the requirements for rising the quality of educational processes. There are defined the context in which the activities of our course are unreel. It is supposed a series of measures for changing the human factor role toward efficiency and creativity.

E-Voting Solution for Romanian Parliament

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Daniel Platon

MA Student in Economic Informatics

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Abstract

Every year hundreds of millions of people vote in a variety of settings in many countries around the world. People vote in public elections to choose government leaders and also in private elections to determine the course of action for groups that people are organized in such as non-governmental organizations, unions, associations and corporations (shareholders). Voting is a widely spread, rather democratic, way of making decisions. More and more governments and private organizations realize that the use of new technologies such as the Internet can have beneficial impacts on elections - i.e. higher voter turnout and lower costs of conducting elections. The rules governing elections tend to be highly specialized to meet the specific needs of each type of organization. Most elections, however, require integrity, privacy and authentication.

IMPLEMENTATION INFORMATION SYSTEMS FOR THE SMALL AND MEDIUM ENTREPRISES – GENERAL SCHEMATICS

**Prof. univ. dr. Virgil CHICHERNEA
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Abstract

This paper presents mainly the project making techniques needed for integrating information systems into SMEs and tries to identify the appropriate software resources. As for the project making techniques, the paper presents elements for the analysis of the existing information system, the structure of the future system, a flexible scenario for implementing an IT system, steps to follow for generating a solution, methods of management and estimation of the project's economic efficiency.

Knowledge Representation and WordNets

Alexandra Gabriela Tudorache –

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*PhD Student Academy of Economic Studies of Bucharest & University
Tor Vergata of Rome*

Abstract

Knowledge itself is a representation of “real facts”.

Knowledge is a logical model that presents facts from “the real world” which can be expressed in a formal language. Representation means the construction of a model of some part of reality.

Knowledge representation is contingent to both cognitive science and artificial intelligence. In cognitive science it expresses the way people store and process the information. In the AI field the goal is to store knowledge in such way that permits intelligent programs to represent information as nearly as possible to human intelligence.

Knowledge Representation is referred to the formal representation of knowledge intended to be processed and stored by computers and to draw conclusions from this knowledge.

Examples of applications are expert systems, machine translation systems, computer-aided maintenance systems and information retrieval systems (including database front-ends).

DENIAL OF SERVICE ATTACKS

Alexandru Enaceanu, acid@rau.ro

Abstract

This paper describes the most common types of DoS, including the latest one, named Distributed Reflection Denial of Service.

The operation of the Internet's TCP protocol is followed by complete explanation on how several types of DoS work.

Bandwidth and CPU load are very important aspects on how the resources are delivered by the servers. Therefore an attack that produces load on any of the two resources – bandwidth and processing power – can cause valid traffic not to obtain useful service, because of the malicious attack.

The crucial fact is that the world is changing rapidly and the world's Internet of today and tomorrow is not the Internet of yesterday. Therefore we must be one step behind (if not forward) any attacker, in order to be prepared and make our servers stay live on the Internet.

Keywords : DoS, Denial of Service, hijack, DRDoS, Internet attack, vulnerability, TCP/IP, TCP, crack, sniff, routing, router

Steganalysis: The Investigation of Hidden Information

Alexandru Tabusca
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Abstract

The goal of steganography is to avoid drawing suspicion to the transmission of a hidden message. If suspicion is raised, then this goal is defeated. Discovering and rendering useless such covert messages is a new art form known as steganalysis. In this paper, we provide an overview of some characteristics in information hiding methods that direct the steganalyst to the existence of a hidden message and identify where to look for hidden information.

Distributed Application as a new application Standard

~ Types of distributed applications and possible uses for construction companies ~

Asist. Univ.drd. Gabriel Eugen GARAIS

Abstract

The constant growth in IT field more precisely the Internet, determines the need of new technologies and applications which can provide new possibilities and accessibility to the contemporaneous information society.

The field of construction, isn't a domain that has not information systems but there is still one way to distribute information for this domain that isn't enough developed. The way to distribute processed information for this domain can be the Internet.

This paper describes the way to develop an application that easy the process of centralization, distribution, and analysis of information gathered from the construction site to the headquarters and then to the final users who signed the contract with the construction company to build the construction. The IT solution implies the use of new technologies for communicating and centralizing the information, that simplifies the way information travels between departments and finally to the end-user, with the benefit of the Internet and VPN.

Using Neural Networks In Software Metrics

Dr. Eng. Math. Ion I. Bucur
MSc. Eng. Nicolae Begnescu
University “Politehnica” of Bucharest
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Abstract

Software metrics provide effective methods for characterizing software. Metrics have traditionally been composed through the definition of an equation, but this approach is limited by the fact that all the interrelationships among all the parameters be fully understood. Derivation of a polynomial providing the desired characteristics is a substantial challenge.

In this paper instead of using conventional methods for obtaining software metrics, we will try to use a neural network for that purpose. Experiments performed in the past on two widely known metrics, McCabe and Halstead, indicate that this approach is feasible.

INQUIRY OVER BIOMETRIC PASSPORTS

MA Student : Ionela Camelia Cioacă

Abstract

The **biometric passport** is the new type of passports, which from October 2006 are required for entry to the US by the VWP (see also later on the section *Types of biometric passports*). The passports must contain an RFID-chip, which holds digitized information about the passport's owner. The individual government decides much of the specific digital information, but certain demands are made by the US and the ICAO standard.

ABOUT THE COMPLEXITY OF LIVING SYSTEMS MODELS

Dobrescu Radu – professor, UPB
radud@isis.pub.ro

Abstract

In this paper we attempt an overview of the philosophical implications of complex systems thought, and investigate how this alternative viewpoint affects our attempts to design and utilise models for living systems. We classify the types of complex system that relate to self-organisation. The overall requirements for self-organising modeling are considered and some alternative ways of looking at some specific problems that may arise are explored. As a novelty, the paper proposes various ways of moving forward in the area of practical model design.

Firewall Management

Prep. drd. Radu Constantinescu

Academy of Economics Studies, Bucharest

ABSTRACT

Network connectivity can be both a blessing and a curse. On the one hand, network connectivity can enable users to share files, exchange e-mail, and pool physical resources. Yet network connectivity can also be a risky endeavor, if the connectivity grants access to would-be intruders. The Internet is a perfect case in point. Designed for a trusted environment, many contemporary exploits are based upon vulnerabilities inherent to the protocol itself. In light of this trend, many organizations are implementing firewalls to protect their internal network from the untrusted Internet.

The Informatics Audit - basic concepts -

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Dr. Gheorghe NOȘCA

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The Association for Development through Science
and Education, Bucharest

Dr. Marius POPA

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Academy of Economics Studies, Bucharest

Abstract

The demand for qualitative and reliable information in order to support decision-making is continuously increasing. On the other hand, the cost of software production and maintenance is raising dramatically as a consequence of the increasing complexity of software systems and the need for better designed and user friendly programs. The huge amount of data the organizations face needs human, financial, and material resources to collect, check, analyze and use it. All these aspects impose to develop activities in order to obtain better outcomes with less resources. The Informatics Audit is one of such kind of activities. This paper presents some Informatics Audit basic concepts

ROBUST STABILITY APPLICATION

Gh. Petrescu, V. Lungu, V. Ispas,
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Computer Science Department

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Abstract

In this paper it is presented the study of the robust control applied in thermal treatment kilns and is given an example of applying of extremely systems in industry. The technological process has tow main components: the oven wall with incandescent material and heat-treat devices. The differential equation describing the heating devices transfer phenomena, which occurs, by discretisation will obtain the corresponding differential equation. The implicit discretisation scheme used has the advantage of a stable solution.

WORKSHOP I. (1-2 March. 2004)

ROMANIAN AMERICAN UNIVERSITY
MASTER OF ECONOMIC INFORMATICS

ACADEMY OF ECONOMIC STUDIES
MASTER BRIE



INFORMATION SYSTEMS & OPERATIONS MANAGEMENT



WORKSHOP ISOM - No1.
MARCH 1 - 2, 2004

ISBN: 973-3499-40-2

Monday – March 1st, 2004

Opening Plenary Session

Prof. Univ. Dr. Ion Smedescu,

President of Romanian – American University

Prof. Univ. Dr. Dumitru Tudorache,

Director of MA

Prof. Univ. Dr. Virgil Chichernea

Dean of Management Information System Department

Moderator: Prof. Univ. Dr. Virgil Chichernea

Dean of Management Information System Department

DSS Module: DECISION SUPPORT SYSTEMS

Prof. Univ. Dr. Virgil Chichernea

MRP, ERP AND BUSINESS EFFICIENCY

Mihai Vâlcea – MA Student

How To Build A Search Engine For Our Site Using Php And Mysql

Alexandra Tudorache – MA Student

THE ROMANIAN IT EDUCATIONAL SYSTEM

Razvan Bologa, Ana Ramona Lupu

- MA Students BRIE

MANAGING A STUDENT GRADEBOOK - ONLINE SYSTEM

Assistant Lecturer Gabriel Eugen Garais

– MA Student

DATABASE NORMALIZATION

Despa Gabriel Francisc – MA Student

USING PERT METHOD IN PROJECT MANAGEMENT
Radu Cristian – MA Student

DATABASE MANAGEMENT SYSTEMS FOR SMALL COMPANIES
Gheorghiu Paul – MA Student

EBUSINESS MASTER PROGRAMS OVERVIEW
Professor Floarea Năstase PhD.
Senior Lecturer Răzvan Zota PhD.
Assistant Lecturer Radu Constantinescu
- MA Students BRIE

HOW TO PARSE AN XML FILE USING PHP
Assistant Lecturer Alexandru Enăceanu
– MA Student

WML TO XHTML MIGRATION
Cristian Codorean – MA Student

.NET XML WEB SERVICES PROVISIONING
Mihai – Andrei STROE – MA Student

DATA SECURITY IN E-COMMERCE APPLICATIONS
Alexandra Tudorache, Calin Lencu,
Valentin Padure – MA Student

INTERNATIONAL AIRPORTS HOME PAGES
COMPARATIVE ANALISYS
Vitikan Aurel Silvestru – MA Student

OPERATING SYSTEMS FOR PARALLEL PROCESSING

Assistant Alecu Felician - MA Students BRIE

HOW TO BUILD A SEARCH ENGINE FOR YOUR WEBSITE USING PERL

Draghici M. Serban – MA Student

Tuesday – March 2nd, 2004

MANAGEMENT OF TUTORIAL SOFTWARE QUALITY PROGRAMS

Prof. Univ. Dr. Ion Ivan

THE NEW JAVA2 ENTERPRISE EDITION PLATFORM – WHY?

**Assistant Lecturer Alexandru Tăbusca
– MA Student**

TESTING CRITERIA OF THE WEB APPLICATIONS PERFORMANCES

Cristian Toader – MA Student

THE DIGITAL SIGNATURE

Dumitrache Gabriel – MA Student

3D COMPUTER GRAPHICS SPACE AND OBJECT REPRESENTATION MODELS

Smochină Cristian – MA Student

XML DATA STRUCTURES AND OBJECT REPRESENTATION MODEL

**Ph. D. Ion Ivan,
Amitroaie Laurentiu, George Vaicar
- MA Students BRIE**

DATA STRUCTURES OF TREES TYPE

Liviu Mijache - MA Students BRIE

DATA STRUCTURES USED IN REAL APPLICATIONS

Asist.univ. Cristian Toma - MA Students BRIE

ACCOUNTING FORMULAS IMPLEMENTATION IN C++
APPLICATIONS

Marius Popa, Melos AHMETI, Imer HALITI,

Besim KAMBERAJ - MA Students BRIE

STRATEGIC MANAGEMENT

Prof.dr.dr.dr.h.c. Constantin Bratianu

E-VOTING SOLUTION FOR ROMANIAN PARLIAMENT

Liviu Dunaev, Daniel Platon – MA Students

DATA MANAGEMENT AND CONTROL

Dan Puzdreac – MA Student

OPTIMIZING RESOURCES OF THE NATIONAL
ADMINISTRATION OF ROADS FROM ROMANIA

Assistant Lecturer Bogdan Ion Valentin Poenaru

– MA Student

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FOR 2004. THE IMPORTANCE OF E- SIGNING

Rotaru Irina – MA Student

ROMANIAN IT LAW AND PRESENT SITUATION OF
ELECTRONIC COMMERCE IN ROMANIA

Stanescu Adrian – MA Student

PROJECTS UNFOLDING

Doru Ungureanu - MA Students BRIE

DIGITAL ECONOMY AND DIGITAL DIVIDE

Assistant Lecturer Lorena Bătăgan

- MA Students BRIE

THE EFFECTIVENESS OF BYTECODE
DECOMPILATION

Robert Enyedi - MA Students BRIE

WORKSHOP II. (29-30 Nov. 2004)

ROMANIAN AMERICAN UNIVERSITY
MASTER OF ECONOMIC INFORMATICS

ACADEMY OF ECONOMIC STUDIES
MASTER BRIE



INFORMATION SYSTEMS & OPERATIONS MANAGEMENT



WORKSHOP ISOM - No2.
NOVEMBER 29 - 30, 2004

ISBN: 973-99331-0-6

Monday – November 29th, 2004

Moderator: Prof. Univ. Dr. Virgil Chichernea
Dean of Management Information System Department

**IMPLEMENTATION INFORMATION SYSTEMS FOR THE
SMALL AND MEDIUM ENTREPRISES**

Prof. Univ. Dr. Virgil Chichernea

HOME NETWORKS TRENDS AND FUNDAMENTALS

Alexandru Enăceanu – MA Student

An Overview of Data Warehousing and OLAP Technology

Gabriel Dumitrache– MA Student

Backup Large SQL Databases

Stanescu Adrian – MA Student

OLAP and Business Intelligence competency

Mihai VÂLCEA – MA Student

Virtual Tours

Assistant Lecturer Gabriel Eugen Garais

– MA Student

Biometric Authentication

Alexandra Tudorache – MA Student

Emails Validation Using PHP

Bogdan Ion Valentin Poenaru – MA Student

Client-Server development with MS Access

Despa Gabriel Francisc – MA Student

Generating Advanced Web Page Statistics using PHP
Draghici M. Serban – MA Student

SOFTWARE MAINTENANCE
Radu Cristian – MA Student

Practical Measurements for Software Testing
Dan Puzdreac – MA Student

DATA BASE SECURITY IN INTERNATIONAL
AIRPORTS
Vitikan Aurel Silvestru – MA Student

Data Security Using Hashing
Valentin Pădure – MA Student

The Role of Information Security
in the Information Society
Cristian Toader – MA Student

International Portfolio Investment
Doina Chichernea - MBA – Toledo , Ohio, SUA

Tuesday – November 30th, 2004

Moderator: Prof. Univ. Dr. Ion Ivan

Aggregation of IT Applications
Prof. Ion IVAN, Ph.D
Alexandru Bogdan GHIBA

Applications of Grid Processing
Felician Alecu, Assistant Lecturer, ASE
Teodora Alecu, PhD student, ASE Bucharest

Programming Systems
Kamen BOZOV - MA Student BRIE

The Way to Rich GUI clients
Robert Enyedi - MA Student BRIE

Service Oriented Architectures
for Enterprise Applications
Cristian IONIȚĂ - MA Student BRIE

Designing a Framework for Easy Extensible Enterprise
Application
Liviu Mijache - MA Student BRIE
Marius DUMITRACHE - MA Student BRIE

Directions for
IT&C Project Management Quality
Prof. Ion IVAN, Ph.D
Cristian Vlad - MA Student BRIE

USING CODE REVIEW TO IMPROVE SOFTWARE
QUALITY
Iulian RĂDULESCU - MA Student BRIE
Data Acquisition in Informatics Society
Prof. Ion IVAN, Ph.D
Assistant Lecturer Adrian POCOVNICU

E-Commerce Project Management Implementation
Prof. Ion IVAN, Ph.D,

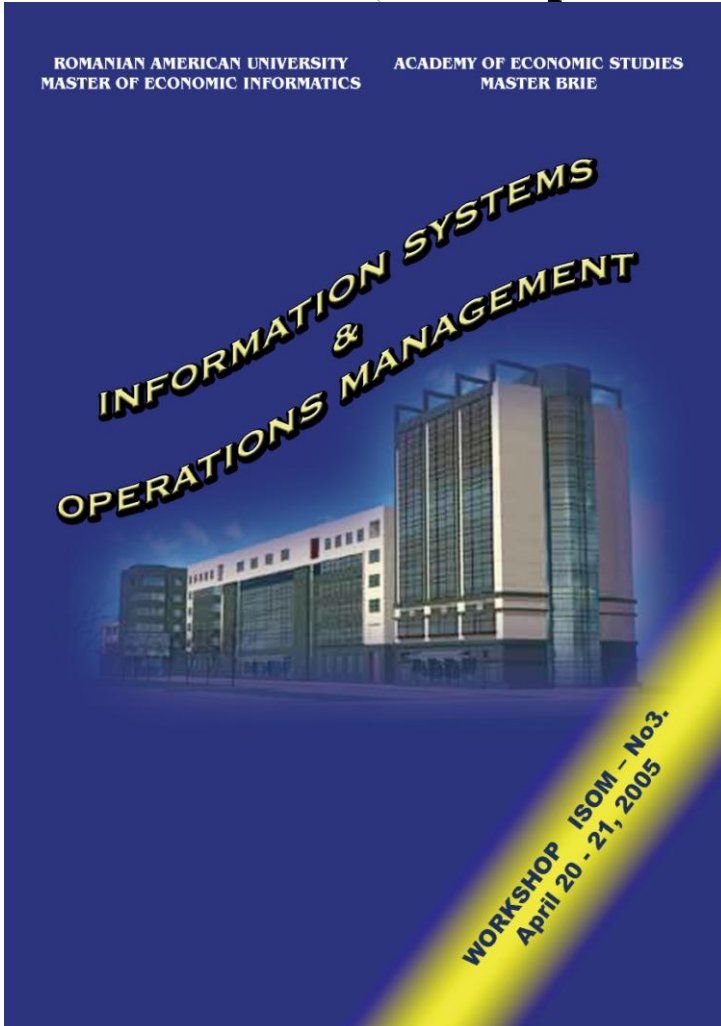
Saha Priyatosh - MA Student BRIE,
Assistant Lecturer Cristian Toma

Economic Modelbase Properties
Prof. Ion IVAN, Ph.D,
Assistant Lecturer Marius POPA,
Adrian VIȘOIU - MA Student BRIE

Specific Problems of KOMIS Audit
Prof. Ion IVAN, Ph.D,
Assistant Lecturer Catalin BOJA

The Informatics Audit Development Strategy
Prof. Ion IVAN, Ph.D,
Assistant Lecturer Catalin BOJA,
Assistant Lecturer Marius POPA

WORKSHOP III. (20-21 April 2005)



ISBN: 973-87166-8-3

Wednesday – April 20th, 2005

Implementation Information Systems For The Small And Medium Entreprises

Prof. Univ. Dr. Virgil Chichernea

Denial Of Service Attacks

Assistant Lecturer Alexandru Enaceanu – Ma Student

Computer Networks – Planning And Design

Claudia Marin – Ma Student

Erp And Crm Via Web

Despa Gabriel Francisc – Ma Student

Production Management System

Vlădulescu Luisa Daniela – Ma Student

Translation From Php 4 To Php 5

Bogdan Poenaru – Ma Student

Steganalysis: The Investigation Of Hidden Information

Assistant Lecturer Alexandru Tabusca – Ma Student

Communication, History And Future

Toader Cristian – Ma Student

6 Questions To Ask When Evaluating A Data Quality Solution

Assistant Lecturer Vladulescu Claudiu Silvian – Ma Student

Distributed Application As A Growing New Application

Standard

Assistant Lecturer Gabriel Eugen Garais – Ma Student

Oracle Database 10g: A Revolution In Database Technology

Assistant Lecturer Chetrariu Doru – Ma Student

Data Security Using Cryptographic Algorithms

Valentin Pădure – Ma Student

Spyware on the Internet

Pitigoi Gheorghe Cristian – Ma Student

Encrypting and decrypting data using Java2SE and Java
Cryptography Extension

Daniel Doboga – Ma Student

ELECTRONIC MOBILE COMMERCE

Parjan Alexandru – Ma Student

DEVELOPING MOBILE APPLICATIONS USING JAVA 2
MICRO EDITION (J2ME)

Alexandru Gheorghiu – Ma Student

Thursday – April 21st, 2005

The advantage of using databases on the Internet

Frantescu Nicoleta – MA Student

EFQM Business Excellence Model

Trandafir Camelia Mariana – MA Student

The Migration from HTML to XML

Assistant Lecturer Stanica Lavinia – MA Student

Communication, history and future

Toader Cristian – MA Student

Data shaping

Marcela Andrei – MA Student

Software Reliability Audit

Liviu Mijache - MA Student BRIE

Marius DUMITRACHE - MA Student BRIE

Classes Of Text Entities

Prof. Ion IVAN, PhD

Assistant Lecturer Marius POPA

Alexandru POPESCU - MA Student BRIE

Global Software Optimization

Prof. Ion IVAN, Ph.D,

Assistant Lecturer Catalin BOJA,

Parallel Bubble Sort

Assistant Lecturer Felician ALECU

Public Key Infrastructure Basics

Assistant Lecturer Radu CONSTANTINESCU

Scalability In Enterprise Applications

Cristian IONIȚĂ - MA Student BRIE

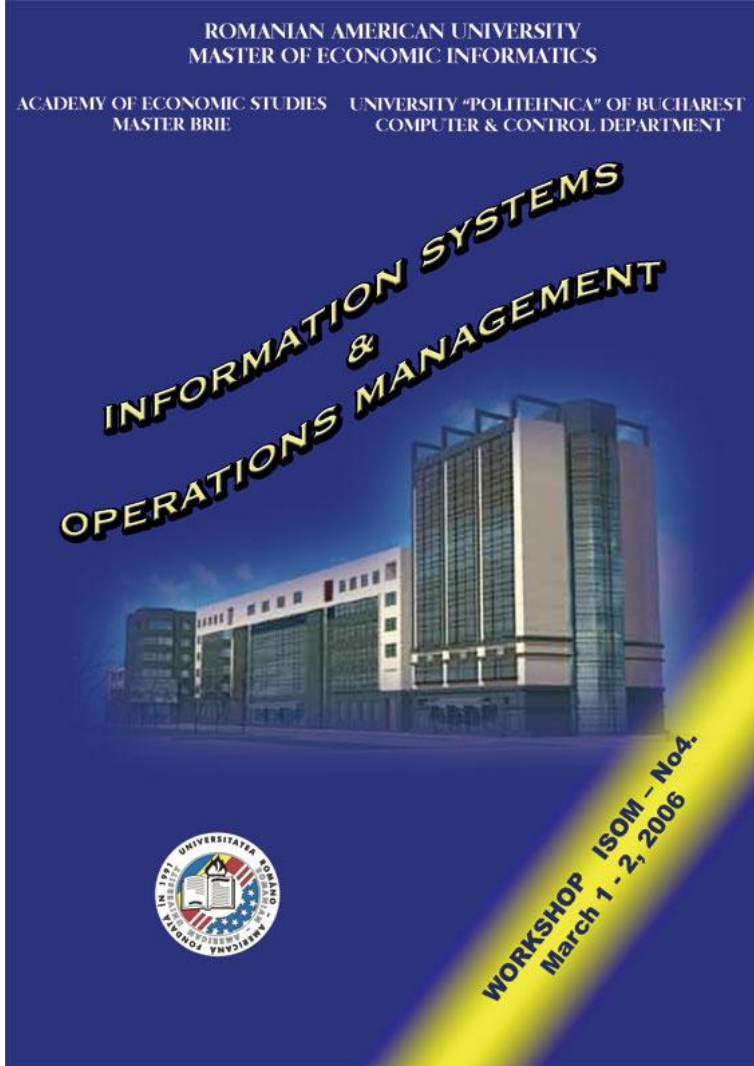
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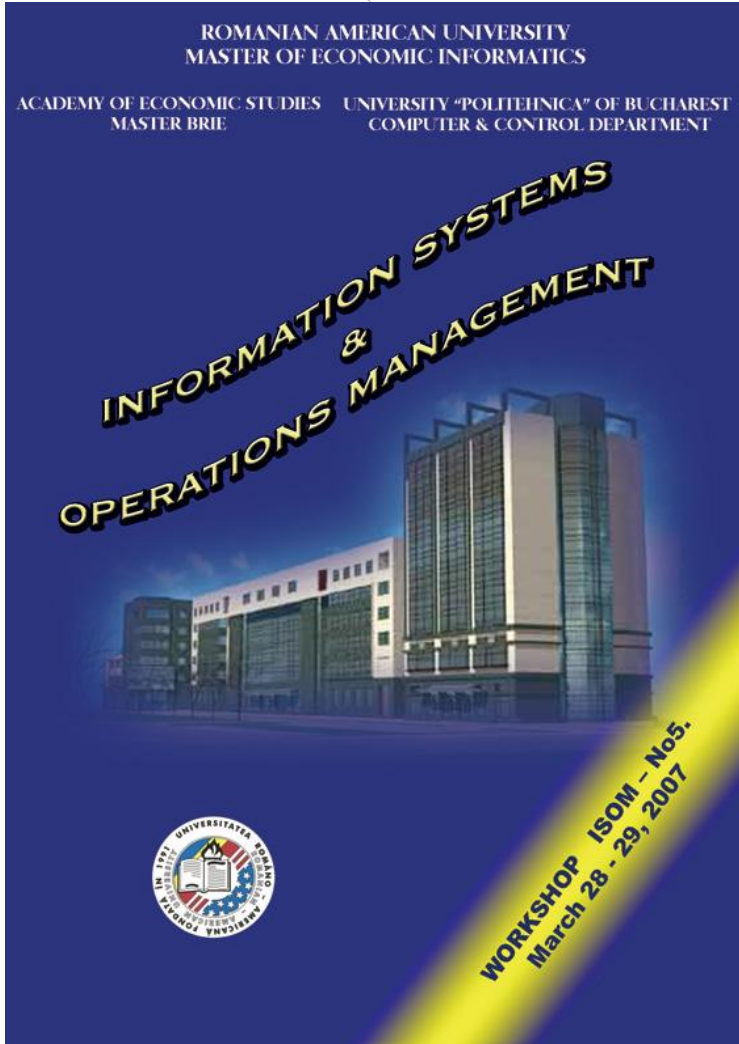
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INFORMATION SYSTEMS & OPERATIONS MANAGEMENT



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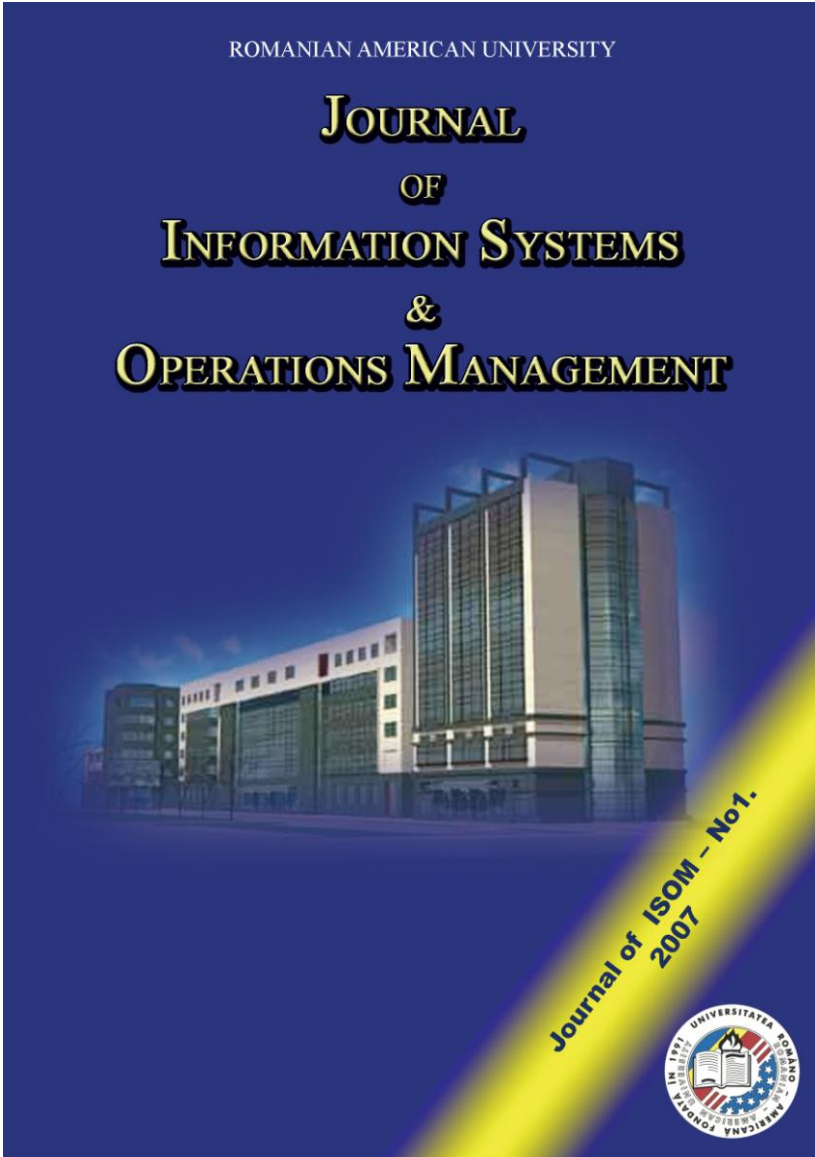
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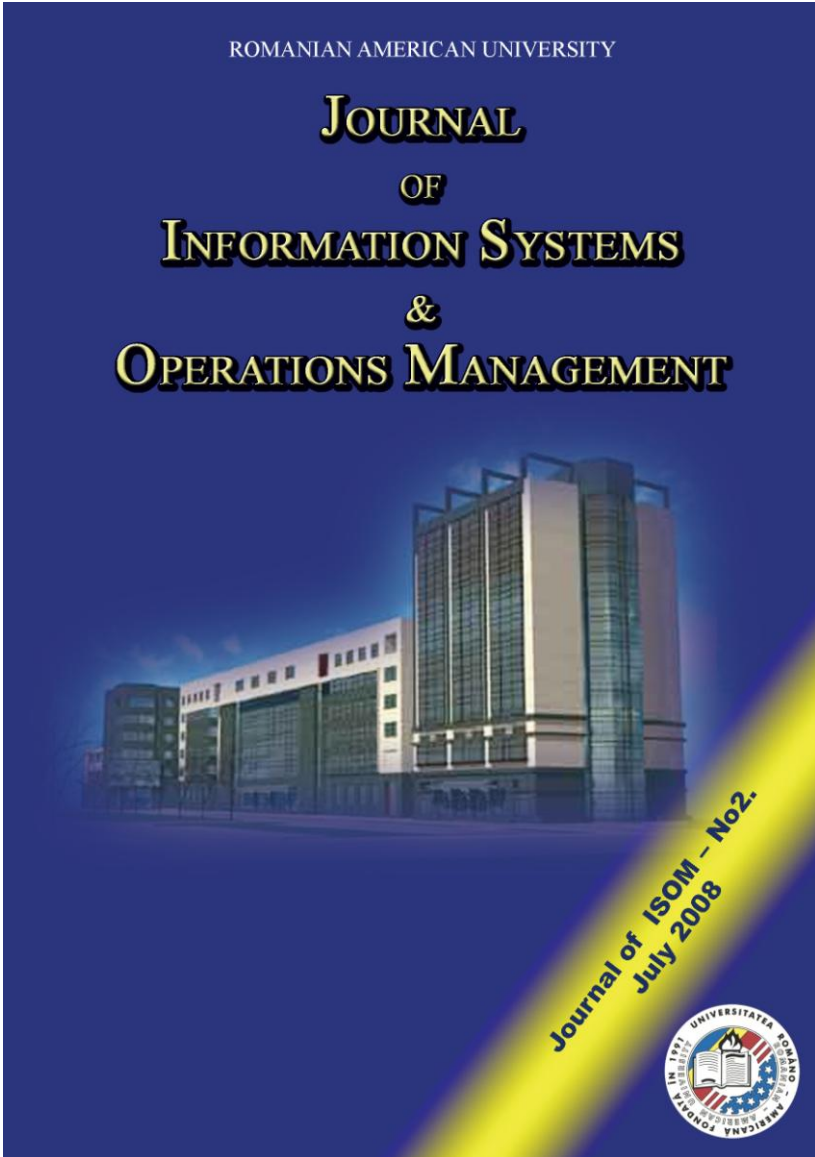
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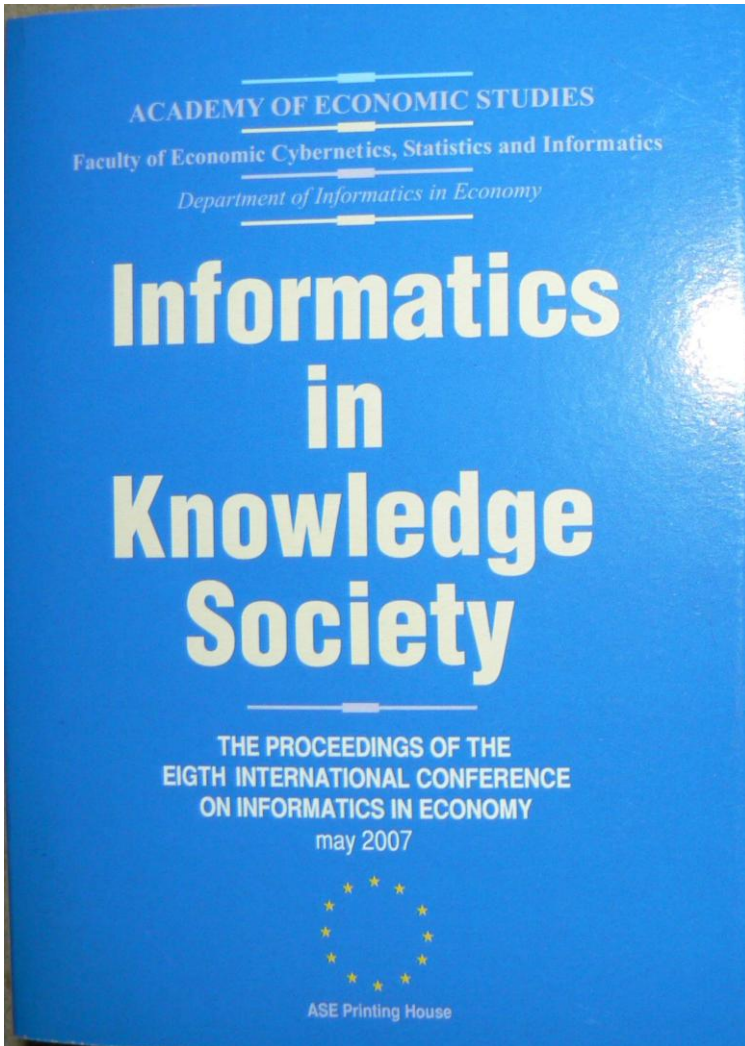
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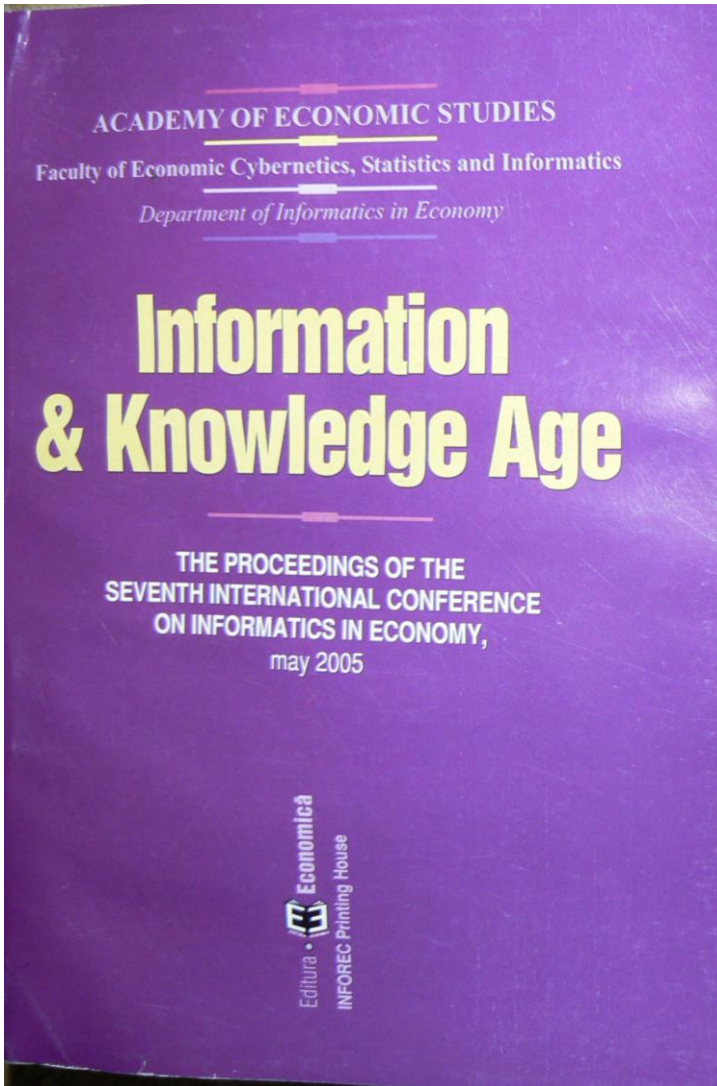
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