JOURNAL OF INFORMATION SYSTEMS & OPERATIONS MANAGEMENT

Vol. 5 No. 2 December 2011



Statement of Purpose

JOURNAL OF INFORMATION SYSTEMS **OPERATION** The & MANAGEMENT (ISSN 1843-4711; IDB indexation: ProQuest, REPEC, QBE, **COPERNICUS**, published two times annually by the Romanian American University, is specialized in IT domains. The articles published apply to the scientists, researchers and users of IT (field), interested in enlarging the knowledge horizon with specialty notions, new work papers and reference studies, to apply in their own field. Thought the presentation of some scientific paper works and IT&C culture promotion, necessary for a functional market economy, the review intends to be a favorable space for debates and a challenge at the same time. Any study or opinion that can contribute to the development of the understanding degree of the IT&C as a science is welcome. JISOM encourages cross-disciplinary research work of Romanian and foreign scholars.

Author Information

The editors invite submissions of articles that deal with important issues in IT&C domains. All submitted manuscripts must be original work that is not under submission at another journal. A resubmission of a manuscript that was previously rejected by the JISOM will be immediately desk rejected. Manuscripts should not exceed 9,000 words and must conform to the JISOM's style requirements witch are guided by The Chicago Manual of Style (14th edition).

Information for authors

Manuscript format:

- Use single column B5 pages, i.e., 176×250 mm; Times New Roman, 11-point English font; single line between each typed line of the manuscript; and use the following settings for the margins: Different odd and even, Top 1,5cm, Bottom 2,2cm, Left 1,75cm, Right 1,8cm, Gutter 0cm, Header and footer from edge 1,25cm
- Begin the manuscript with:
 - The manuscript title, capitalized
 - The name(s) of the author(s)
 - The name of the institute and address
 - o Abstract
 - \circ Keywords 5 8

The original or technical works can be sent to be published either article form or short communications in English, including the authors' names and affiliations, telephone and e-mail address. The technical conditions for the articles to be presented can be found at http://JISOM.RAU.RO in the "Peer review section. All submissions should be sent to the journal Editor:

Virgil Chichernea, Ph.D. Romanian – American University Bulevardul Expozitiei nr.1, Sector 1, Bucuresti E-mail: Chichernea.virgil@profesor.rau.ro

JOURNAL OF INFORMATION SYSTEMS & OPERATIONS MANAGEMENT

GENERAL MANAGER Professor Ovidiu Folcut

EDITOR IN CHIEF Professor Virgil Chichernea

EDITORIAL BOARD

	DITORIAL DOARD
Academician Gheorghe Păun	Romanian Academy
Academician Mircea Stelian Petreso	
Professor Eduard Radaceanu	Romanian Technical Academy
Professor Ronald Carrier	James Madison University, U.S.A.
Professor Pauline Cushman	James Madison University, U.S.A.
Professor Allan Berg	University of Dallas, U.S.A.
Professor Kent Zimmerman	James Madison University, U.S.A.
Professor Traian Muntean	Universite de la Mediterranee, AIX –
	MARSEILLE II , FRANCE
Assoc. Professor Susan Kruc	James Madison University, U.S.A.
Associate Professor Mihaela Pau	J ,
Professor Cornelia Botezatu	Romanian American University
Professor Victor Munteanu	Romanian American University
Silviu Hotaran	General Manager, Microsoft, Romania
Professor Ion Ivan	Academy of Economic Studies
Professor Radu Şerban	Academy of Economic Studies
Professor Ion Smeureanu	Academy of Economic Studies
Professor Floarea Năstase	Academy of Economic Studies
Professor Sergiu Iliescu	University "Politehnica" Bucharest
Professor Mircea Cirnu	University "Politehnica" Bucharest
Professor Victor Patriciu	National Technical Defence University,
	Romania
Professor Stefan Ioan Nitchi	University "Babes- Bolyai" Cluj Napoca
Professor Lucia Rusu	University "Babes- Bolyai" Cluj Napoca
Assoc. Professor Ion Bucur	University "Politehnica" Bucharest
Associate Professor Costin Boian	ngiu University "Politehnica" Bucharest
Assoc. Professor Irina Fagarasanu	University "Politehnica" Bucharest
Assoc. Professor Viorel Marinescu	The Technical University of Civil Engineering
	Bucharest
Lect. dr. Alexandru Tabusca	Romanian American University

Senior Staff Text Processing: Lect.dr. Gabriel Eugen Garais Romanian American University Assist.lect.dr. Mariana Coancă Romanian American University Romanian American University

Assist.drd. Dragos-Paul Pop

JISOM journal details 2011

No.	Item	Value
1	Category 2010	B +
2	CNCSIS Code	844
3	Complete title / IDB title	JOURNAL OF INFORMATION SYSTEMS & OPERATIONS MANAGEMENT
4	ISSN (print and/or electronic)	1843-4711
5	Frequency	SEMESTRIAL
6	Journal website (direct link to journal section)	http://JISOM.RAU.RO
7	IDB indexation (direct link to journal section / search interface)	ProQuest, REPEC, QBE, COPERNICUS http://journals.indexcopernicus.com/karta.php Index Copernicus Journals Master List (see first line of http://jisom.rau.ro)

Contact

First name and last name	Prof. dr. Virgil CHICHERNEA
Telephone	0729-140815 / 021-2029513
e-mail	Chichernea.virgil@profesor.rau.ro vchichernea@gmail.com

ISSN: 1843-4711

The Proceedings of Journal ISOM Vol.5 No. 2

CONTENTS

Editorial

- THE ROLE OF XML IN THE MODELING 227 PROCESS OF A VIRTUAL BUSINESS
- A GAMES THEORY PERCPTION ON 237 INTERSTATE COOPERATION: TRADE INCENTIVES IN THE BLACK SEA REGION AND THE IMPLICATIONS FOR ROMANIA
- THE INFLUENCE OF E-MANAGEMENT 248 APPLICATION UPOIN THE SMALL AND MEDIUM ENTERPRISES ORGANIZATIONAL CULTURE
 - SENSOR ARRAY ABLE TO DETECT AND 256 RECOGNISE CHEMICAL WARFARE AGENTS
- AN EHR DOCUMENT MODEL OF CHRONIC 264 PATIENTS
- USE OF SPECTRAL THEORY OF MATRICES 275 TO STUDY SEISMIC MOVEMENTS
- THE IMPACT OF COLLABORATIVE 284 SYSTEMS ON ACADEMIA, e-BUSINESS AND INFORMATION SOCIETY
 - LOAD DISTRIBUTION AND RESOURCE 292 SHARING
 - EUROPEAN AND INTERNATIONAL 300 APPROACH ON THE ACCOUNTING FOR INTANGIBLE ASSETS
- DOCUMENT MANAGEMENT IN CONTEXT 308 OF COLLABORATIVE SYSTEMS

Cristina Nemeş Marius Podean Lucia Rusu

Vasile Adrian Costea Carmen-Eugenia Viciu Tania-Georgia

Corneliu Gârjoabă

I. Bucur S. Serban A. Surpateanu N. Cupcea C. Viespe C. Grigoriu C. Toader N. Grigoriu

Lucia Rusu Simona Marțiș Marius Podean Răzvan Costin

Mircea Cîrnu Gabriela Cîrțală

Virgil Chichernea

Vasile Lungu Gheorghe Petrescu

Victor Munteanu Marilena Zuca Alice Țînță

Sergiu Jecan Costin Aurelian-Răzvan Maria Iulia Laba

George Măgureanu

Laura Savu

Sergiu Jecan Man Ionut

Dragos-Paul Pop

Alina Cojan

Bodislav Dumitru-Alexandru Cheptea Madalina

Joița Alin-Cristian

Georgiana Marin

Luminița Pătrașcu

Macoveiciuc Pastorel

Sergiu Jecan Țolea Eniko Claudiu Adrian Teșca

Cristina-Maria Titrade

Ana Maria Mihaela Iordache Ionela Catalina Tudorache Mihai Tiberiu Iordache

Mariana Coancă

- THE ELECTRONIC SIGNATURE. ITS 317 VALORIZATION AS A EVIDENTIARY MEANS IN NATIONAL OR INTERNATIONAL PENDING CASES JUDGED IN COURTS
 - SIGNCRYPTION ANALYZE 325
 - INTEGRATED TOURISM MANAGEMENT 335
- DESIGNING HTML HELPERS TO OPTIMIZE 345 WEB APPLICATION DEVELOPMENT
 - THE ANALYSIS OF FISCAL RISK 355
- FROM "PRE-ECONOMICS" TO THE 367 DEVELOPED INFORMATIONAL ECONOMY – A SCIENTIFIC REVIEW
 - DISADVANTAGES PRESENTED BY HTML 379 INLINE FRAMES IN INTEGRATION OF 3rd PARTY CONTENT
 - DATA MINING TECHNOLOGY 384
 - DISTRIBUTION OF DATA ON THE WEB 389
 - COMPUTER BASED ENVIRONMENT 395 CONTROLS
 - *GRAPHICAL INTERFACE FOR* 401 *COMMUNICATION BETWEEN STUDENTS*
 - ORACLE DATABASE SECURITY 408
- CLASSIFICATION OF EUROPEAN UNION 419 COUNTRIES FROM DATA MINING POINT OF VIEW, USING SAS ENTERPRISE GUIDE
 - LOAN TRANSLATION AS MEANS OF 428 EXPRESSING E-COMMERCE TERMINOLOGY