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ROMANIA**

„KNOWLEDGE HORIZONS – ECONOMICS”

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OF THE ROMANIAN SOCIETY”**
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Abstracts	6
<i>Characteristics of Open Grid Services Architecture</i>	
• Marian Pompiliu CRISTESCU	8
<i>Criteria For Identifying And Evaluating The Conformity of The Cluster’s Activity</i>	
• Aurelia DUCA, Corina GRIBINCEA	15
<i>IT Influence On Business Millenium III</i>	
• Marian Pompiliu CRISTESCU	25
<i>Projections of Taxes And Fees in Establishing The Financial Indicators Regarding The Sustenability And Viability of The “Iulita’s Roses Garden” Investment</i>	
• Mariana Rodica TIRLEA, Iulita BIRCA	36
<i>Method of Evaluation And Certification of Economical Software Reliability</i>	
• Marian Pompiliu CRISTESCU	47
<i>Approach, Understanding And Importance of The Concept of “Quality” And Its Components For The Production And Distribution of Goods</i>	
• Alexandru BURDA	56
<i>Multilateral Compensation of Non-Cash Interbanking Payments on Paper</i>	
• Ion Gr. IONESCU, Oana ION-BOCANETE	61
<i>State Fiscal Control: The Experience of Developed Economies</i>	
• Daniel ISAC	69
<i>European Experience in Tackling Tax Evasion Schemes</i>	
• LILIANA ISAC	75
<i>The Reengineering Process of The Economic Software Reliability</i>	
• Marian Pompiliu CRISTESCU	82
<i>Comparative Study of Cyberterrorism in East Asia And North Africa</i>	
• Florentina Stefania NEAGU, Anca SAVU	93

ABSTRACTS
KNOWLEDGE HORIZONS - ECONOMICS, Volume 11, Issue 1 / 2019

❖ **Characteristics of Open Grid Services Architecture**

Marian Pompiliu CRISTESCU

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Abstract: This paper presents the OGSA - Open Grid Services Architecture, describes the basic SOA standard of distributed Grid architectures, highlighting the architecture of the OGSA standard. There are issues related to the mobility and security of the OGSA framework, as well as the evolution of technologies involved in applying the OGSA standard to P2P environments. Grid services are described as an extension of Web service technology. In addition, the transition from the OGSF standard to the WSRF standard, is the successive implementations of the OGSA framework, is described. This also addresses the OGSA environment security issues for distributed architectures, discussing recent initiatives to create a specific and tailored OGSA environment for Web applications and security requirements specific to this transition.

Key words: application, architecture, security, standard, Web service
JEL Codes: O31, O32, O33

❖ **Criteria For Identifying And Evaluating The Conformity of The Cluster's Activity**

Aurelia DUCA¹, Corina GRIBINCEA²

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Abstract: In the article are analyzed two types of cluster diagnostics, the basic approach to certain concepts of "tourism cluster", which reflects the different features of clusters in terms of legislative aspects, funding methods for cluster management, the ideal model for making statistical measurements, or the economic aspects used to describe and better understand the driving forces of competitiveness and growth, and thus the methods of identifying cluster. The authors identified main causes of the cluster formation in the tourist-recreational sphere and their characteristic features. The authors propose the application of a system approach, which assumes a cloud of tourists' clusters is a unified, integral, systematic education, provided by multiplicity of interoperable elements or subsystems; because the presence of tourist cluster systems allows for the development of the regional economy. At the same time, one of the most important issues is the analysis of the mechanisms of organization that cause the emergence of new, integrative properties in an integrated system. The result of integration processes taking place in the economy is the formation of synergistic interaction in cluster systems.

Key words: clusters, tourism, cluster approach, regional development
JEL Codes: C38, C39

❖ **IT Influence On Business Millenium III**

Marian Pompiliu CRISTESCU

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Abstract: The paper presents the way in which modern enterprises work, compared to traditional ones. We are now talking about "smart" business and how they have changed the business world. The concept of computer system is also presented as part of the informational system, indispensable for carrying out an activity. Additionally, it is intended to provide IT solutions to business entrepreneurs to streamline their business and achieve good results in a short time.

Key words: Smart business, information systems, entrepreneurship, virtual environment, organization / entity
JEL Codes: M41, C88

❖ **Projections of Taxes And Fees in Establishing The Financial Indicators Regarding The Sustainability And Viability of The "Iulita's Roses Garden" Investment**

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² Scientific Researcher, National Institute of Economic Research, Chisinau, Republic of Moldova

Abstract: The "Iulita's Roses Garden" project is a project geared to meeting the development criteria in the rural area. Its impact is on short and long term,

materialized in: financial aspects, institutional aspects and issues related to local policies. Financial aspects of the financing arrangements are envisaged and will be achieved after the end of the non-reimbursable financing. Aspects of institutional nature are those that aim at the functionality of the structures that allow the implementation of the activities at the end of this project. With regard to rural local policies, the project will have an impact on methodologies and on improving the outcomes.

Key words: project, development, financing, European financing, total revenues, total expenditures, taxes, fees, impact on local policies
JEL Codes: F30, F39, H20, H25, H29

❖ **Method of Evaluation And Certification of Economical Software Reliability**

Marian Pompiliu CRISTESCU

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Abstract: This paper present the efficient development of propagation algorithms followed by the availability to easily employ certain commercial software systems, as well as the increase of the collaborative applications number have turned the Bayesian Belief Networks (BBNs) into attractive models for various fields researchers, as it has been used since the beginning of the 1990s. After two decades of studies, Bayesian Belief Networks were successful in developing models for fields like: artificial intelligence, medical diagnosis and computer networks analysis.

Key words: economical software systems, software reliability, software components, Bayesian Belief Networks
JEL Codes: O31, O32, O33

❖ **Approach, Understanding And Importance of The Concept of "Quality" And Its Components For The Production And Distribution of Goods**

Alexandru BURDA

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Abstract: Quality is primarily a concept across various social issues of which the most important is the need or the utility value of a good. Therefore, the way quality it is understood, conceptually and practically by itself and its components, by those who produce and sell goods, has a significant impact on how society relates to the concepts of standard of living respectively welfare. That is why, even if possession can be a good way of meeting higher needs, developing and selling goods firstly on the principle of utility, can contribute to the sustainable development of a welfare society.

Key words: utility, quality, goods, manufacturing, distribution
JEL Codes: A14

❖ **Multilateral Compensation of Non-Cash Interbanking Payments on Paper**

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Abstract: The paying activity, regardless of its form, is part of a separate chapter, which we consider to be very interesting, because it always leads to something constructive, because it always leads to something constructive, because it induces satisfying some needs, finalizing some steps, have found the solution but also (sometimes) the redemption of mistakes. Every man or business representative, when making a payment has some particular feelings, because the feeling of resource shrinking appears, and the human being is sensitive by nature to such facts. At the same time, payments are very serious, and the higher the amounts spent, the more they reach the most distant places on the planet, the more it involve the intervention of several different factors of management, financial accounting, banking, tax authorities, IT, etc.

Key words: Compensation settlement, fund, client payment
JEL Codes: G23

❖ **State Fiscal Control: The Experience of Developed Economies**

Daniel ISAC

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Abstract: This article comes with a vision of the author on the tax control is an integral part of the financial control, as the object of tax control is economic, distributive relations regarding the formation of financial resources of the state. The priorities of the tax policy, in general, are the need to stimulate positive structural changes in the economy, consistently reducing the total tax burden, as well as qualitative improvement of the tax administration. Use of foreign experience is expedient and will allow to maintain a high level of budgetary incomes and to strengthen the awareness of citizens and organizations of the necessity of financial maintenance functioning of the state by paying taxes, fees, and other mandatory payments.

Key words: Fiscal control, developed economies, tax evasion, tax authorities

JEL Codes: H26, H87, E62, O23

❖ **European Experience in Tackling Tax Evasion Schemes**

Liliana ISAC

PhD Student, State University of Chisinau, Republic of Moldova

Abstract: Tax evasion is a serious problem for any state, the consequences of which are reflected in the social and economic situation of the country. Tax evasion is not a feature of one economy, this practice is common in many countries of the world. The countries of the European Union are losing billions due to tax evasion. Tax evasion occurs both at national and international level and is one of the most widespread economic crimes. To prevent the tax evasion, the state needs to take measures primarily to stabilize the economic situation, this measure is one of the most important factors for both: the development of small business and the exit of small enterprises from the shadow sector.

Key words: Tax evasion, Fiscal system, developed European economies, tax authorities

JEL Codes: H26

❖ **The Reengineering Process of The Economic Software Reliability**

Marian Pompiliu CRISTESCU

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Abstract: In the study of software, reliability is important to know the difference between error, defect and defection. This three terms are often confounds and, are often used with the same sense but they have different meanings. Usually, a defect occurs when system behavior moves off from the demands. The defect can be studied also by prism of failure operations, so is defined as an incomplete operation. The defect is the cause of lot of defections because the variety of inputs makes that the programs system behave in a different way. Defect cause the defection. Because software depreciates in other way than hardware, the software reliability stay constant in time if we don't operate changes in the source code or at the environment conditions level, inclusive at the user behavior. However, if every time when a defection was rectified, and the defect that was the main cause is eliminate, then reliability will increase in ratio with time. This is a usual situation for the probation phase.

Key words: software reliability, software cost, error, failure

JEL Codes: O31, O32, O33

❖ **Comparative Study of Cyberterrorism in East Asia And North Africa**

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Abstract: The two regions resemble the fact that both are threatened by non-state entities, hacker attacks target institutions and companies, in order to influence a political decision or to obtain money by decrypting the data. In East Asia, China and South Korea have well-established legislation on cyber security, and with regard to North Africa, regional and continental leadership is Egypt that has developed cyber-incidence prevention systems in recent years and is also a cyber security provider at the region level. Over the past two years, cyber threats have grown globally, affecting shipping, air transportation, production lines and critical infrastructure.

Key words: Cyberterrorism, hackers, legislation, malware, nuclear threat

JEL Codes: F5, F52