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*References:*26 *Tables:*4 *Figures:* 5
Category: Original Scientific Paper
Title: ROBUST AUTOMATIC VISUAL METHOD FOR DETERMINING FACIAL ANGLES FROM PROFILE VIEW IMAGES
Author(s): Shanmugasundaram Singaravelan¹, Dhanushkodi Murugan²
Affiliation: PSR Engineering College, Sivakasi, India¹; Manonmaniam Sundaranar University, Tirunelveli, India²
Keywords: Radon Transform, linear discriminant analysis, locality preserving projection, Combined Features, RCGLPF
Abstract: A analysis of human facial images has become increasingly important due to its numerous applications. In this regards, extracting facial parameter is vital and various studies have been done in this field. Hence in our proposed work, first time up to our knowledge, a robust automatic method is introduced for determining facial angles from profile view images using radon transform. Radon transform is a kind of linear integration along a specific direction and angles play an important role to do this transform. The global features were rather considered by constructing a linear discriminant analysis (LDA) and also local features were rather considered by locality preserving projection (LPP). Our proposed combined algorithm has not only good precision, but also efficient performance and robust with noisy, scale and rotated image environments. In this work, several experiments have been conducted to analyze the robustness of our proposed Radon Combined Global and Local Preserving Features (RCGLPF) algorithm along with other existing conventional algorithms.

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*References:*31 *Tables:*0 *Figures:* 1
Category: Original Scientific Paper
Title: INFLUENCE OF THE BUDGETARY LAW ON STATE MANAGEMENT IN THE CONDITIONS OF THE DEVELOPMENT OF THE DIGITAL ECONOMY
Author(s): Imeda A. Tsindeliani, Olga N. Gorbunova, Tatiana A. Vershilo, Vitaly V. Kikavets, Oksana A. Palozyan, Kirill A. Pisenko, Elena S. Matyanova
Affiliation: Russian State University of Justice, Moscow, Russia
Keywords: Financial Law; Budget Law; State Administration; Digital Economy; Budget Control; Models of State Intervention in the Economy; Budgetary Regulation of Public Procurement; Budget Legislation; Budget-Related Innovations
Abstract: The subjects of this study are the effectiveness of budget innovations in the field budgetary rule making and the role of the government in shaping fiscal policy in a digital economy. The article makes a case for new approaches to budget

formation, for the enhanced use of budgetary levers to boost socio-economic development in the context of global digitalization. In order to make the influence of social informatization on economic development more effective, the economy has to move to a flat (network) management model. The problems of budget control are analyzed.

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Category: Preliminary Communication
Title: PROBLEMS OF ADAPTATION OF A MAN TO THE CONDITIONS OF INFORMATION SOCIETY
Author(s): Oleg Gennadievich Danilyan, Alexander Petrovich Dzeban, Yury Yurievich Kalinovskiy, Svetlana Borisovna Zhdanenko, Eduard Anatolievich Kalnytskyi
Affiliation: Yaroslav Mudryi National Law University, Kharkiv, Ukraine
Keywords: information society, adaptation, virtualization, information technology
Abstract: The authors ascertain the main features of adaptation of a man to the conditions of the information society. There was applied the whole complex of philosophical, general scientific and specific methods inherent in philosophical research in their interconnection and complementarity. The methodology of the research is based on the principles of systemic and structural-functional analysis. As a result of the study, it was ascertained that a man as the highest social value accumulates and fixes in the main forms of his life the interconnection of material and spiritual, which reflects in an integral form life as the objective reality, where his interconnected interests, moral values, ideals, his culture, religious preference and subjective understanding of the meaning of life are revealed. The spreading of information technology is accompanied by the virtualization of all spheres of human life. The main social problems of adaptation of a person to the changing conditions of the information society that are proposed to consider are as follows: the problem of linguistic communication, which forms the core of informatization, and the problem of information security of an individual. It is substantiated that new paradigms form new perceptions by a person of his/her place in relation to the information environment and, accordingly, a new awareness of oneself and his/her own rights and freedoms. Specificity of the modern information environment leads to the correction of existing natural and social mechanisms of a person's adaptation and the development of new ones. Information technologies, having become the core of the modern civilization, change not only the quality and content of the life of a modern human, they threaten to transform the very way of his/her existence in the world. The transition to the information society can have unpredictable consequences. Therefore, the problems of formation of information society, the development of adequate to the objective reality methods and means of its life are the collective concern of all mankind.

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Language –of text: Croat. *– of Summary:* Croat.,Engl.
*References:*10 *Tables:*0 *Figures:* 0
Category: Preliminary Communication
Title: UNDERSTANDING OF FREEDOM AS A NATURAL RIGHT
Author(s): Zdravko Šordan
Affiliation: Institute of Theology, Belgrade, Serbia
Keywords: freedom, reformation movement, the movement, freedom, society, spirituality, change

Abstract: Creating of social movement is usually developed as a reaction to the actual state in society, so they are created as a consequence of spritual unpleasure and revolt because of deviant phenomena, as a willing for new indentity, internal unrest, spritual progres-toward movement, as a trying to reach higher goals; as a labor in order to get a theory be translated into practicing work. In sases when they are genuinely, motivated, they are created as "holly ecstasics".

But without these kind of ecstasics there is no spiritual phenomenon and there cannot be such a phenomenon. "Each person who dismiss an utopia puts a mankind in a trap of material rationalizing, also leaves a mankind on "Willing-for-power" manipulation".(A. Heller). These social movements, in other words, are developed as a consequence of unsatisfied needs, as a reaction to the spritual anemia and passive human behavior, so they want to reach higher and greater spiritual changes. Each kind of newborn life has its own rhythm of living which knows nothing about traditional social phenomena and which, in the same time, tries to reach harmony way of co-living.

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Category: Authors Review
Title: PUBLIC FINANCIAL LAW AND DIGITAL ECONOMY
Author(s): Imeda A. Tsendeliani
Affiliation: Department of Financial Law, Russian State University Justice, Moscow, Russia
Keywords: public finance; cryptocurrency; blockchain; financial system; financial right; financial law institutions; tax system; budget system; issue law; tax law; budget law; money; electronic cash

Abstract: Finance has become an active area of the application of these technologies. As a result, the emergence of new institutions and the modernization of the existing ones, based on new technological breakthrough of humanity, which undoubtedly affect already existing institutions, and which are subject to change under their influence. The aim of this paper is to define

the list of unresolved issues in the theory of the financial law that exist in relation to the nature of the technologies used and innovation ("fintech") in the field of the public finance and the means of legal regulation of the public finance.

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Category: Authors Review

Title: CONFLICT OF LAWS ISSUES RELATED TO SECURITIES TRANSACTIONS

Author(s): Oleksandr Vygovskyy

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Keywords: Securities, conflict of laws, issuer, securities' register, indirect holding system

Abstract: In this article we examine the conflict of laws issues of cross-border securities transactions. It deals with the problems of attributing *lex situs* to securities held under direct holding system and conflict of laws problems related to intermediated securities. We analyze possible variants of the conflict of laws rule for the securities and formulate our own attitude towards identification of the most efficient solutions of conflict of laws issues.

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Category: Professional Paper
Title: ARTIFICIAL INTELLIGENCE

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Keywords: Artificial intellegence, industrial revolution, future

Abstract: An short historical introduction on all of four industrial revolution are presented. The author displays seven segments of 4. industrial revolution because of their importance. The article describes some very important aspects of the artificial intelligence (AI) & their impact. Mentioned examples of complex relationship between machine – man (IBM Deep Blue and IBM Watson). Emphasized the importance of the Dartmouth Conference in Hanover, New Hampshire, 1956. The great opportunities presented by the example of the Atlas humanoid robot (Boston Dynamics – DARPA). Finally, there is an example of Japan that fights for primacy in this very interesting field.