

## ABSTRACTS IN ENGLISH

**Barbara Pawłowska**

### THE INFLUENCE OF BANK TAXATION ON FINANCIAL INSTITUTIONS VERSUS PARTIAL AND GENERAL BALANCE

[**keywords:** financial institution, bank tax, efficiency]

**Abstract**

On January 15, 2016 Poland adopted an act of law on tax on certain financial institutions. The aim was to obtain additional sources of financing for budget expenditure. In this context, an attempt was made to assess the tax burden of financial institutions and present possible implications for financial system and economy as a whole. The consequences of introduction of the bank tax in Poland was examined. The main thesis is that the bank tax will not bring the expected benefits in long term and can contribute to tax optimization strategies.

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**Roman Lusawa**

### ECONOMY OF COMMON GOOD. A NEW APPROACH, OR NEW “FASHIONABLE NONSENSE”?

[**keywords:** economy of common good, economy in happiness, energetic economy]

**Abstract**

The article presents the assumptions, being created under the influence of economic crisis, of the economic development of the alternative economy, called by the authors of the economy of the common good.

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**Jarosław Wenancjusz Przybytniowski**

**ECONOMIC KNOWLEDGE VERSUS THE AWARENESS  
AND COMPETENCES OF THE YOUNG**

[**keywords:** economic knowledge, objective knowledge, economic awareness, subjective knowledge]

**Abstract**

In the article it is concluded that financial education substantially increases economic knowledge in building young generation's awareness and competences and therefore dissemination of the knowledge. The aim of this article is to identify the importance of economic knowledge in building young generation's awareness and competences. The structure of the article was subjunctive to the hypothesis – there is a relation between economic knowledge and the growth of young generation's awareness and competences in achieving financial steadiness. The problem will be implemented with the analysis of level of economic knowledge of university students from Świętokrzyskie voivodeship. The applied research tool is an anonymous survey directed to stationary and non-stationary students of graduate and post-graduate studies.

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**Monika Filipiuk**

**FINANCIAL SUPPORT FOR REVITALIZATION  
FROM THE EU FUNDS AS A CHANCE FOR DEGRADED  
AREAS IN POLAND**

[**keywords:** revitalization, urban decay, social exclusion, EU budget]

**Abstract**

The aim of this article is the introduction of areas experiencing urban decay and possibilities of founding from EU budget in 2014-2020 financial perspective, as well as evaluation of ongoing revitalization efforts. The analysis of revitalization projects conducted by some regions/voivodeships, that are financed from Regional Operational Programmes, shows positive economic, social and environmental effects. Revitalization efforts allow to take advantage of regions specific

properties and reinforce its local potential. The social aspect of revitalization is immensely important as it shows decrease of unemployment and poverty and increase of life quality of local communities.

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**Michał Gendek**

NEW OR NOT? COMMENTS ON THE RULES OF LIABILITY  
OF PROCURATORS IN CONNECTION WITH THE  
AMENDMENT OF THE BANKRUPTCY LAW

[**keywords:** bankruptcy law, liability of procurators, legal interpretations]

**Abstract**

The article is polemical and refers to the effects of the amendment of several acts of law regulating the liability of the procurators. The biggest doubts arise from the provisions of art. 21 of the bankruptcy act (effective since January 1, 2016), which, without explicitly pointing out procurators, makes them, in the opinion of many lawyers, responsible for the obligations of the company on the same terms as members of the management board of a company. In the author's opinion, these changes do not justify the agreement with the abovementioned interpretation.

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**Magdalena Wysocka, Radosław Drożdżyński,  
Ryszard Walkowiak**

THE EFFECTIVENESS OF PROGRAMMES  
OF PROFESSIONAL ACTIVATION IN WARMIA AND MAZURY  
VOIVODESHIP

[**keywords:** unemployed, work market, effectiveness, occupational stimulation]

**Abstract**

The purpose of the research was to assess the effectiveness of professional activation programmes for the unemployed in Warmia and Mazury voivodeship in 2008-2013. It was assumed that effective programmes were those projects which

ended with regular employment at the level not less than 80% among programme participants. The following conclusion may be drawn from gathered data – the effectiveness of the programmes carried in the voivodeship is moderate as only every second participant was employed after the project ended. It turned out that the most effective programmes were those called ”intervention works” with result of 60% the unemployed found work.

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**Joanna Bańbuła**

## CONTEMPORARY ROLE AND SOCIAL SIGNIFICANCE OF SPORTS EVENTS

[**keywords:** sports spectacle - leisure time management - sports product]

### **Abstract**

This article deals with the main purpose of analyzing the contemporary role of the sports spectacle described as a sports and tourism product. An important aspect of the article is to emphasize the role of the audience in creating a sports spectacle. The research methodology was used to achieve the objectives: content analysis based on sports management and marketing literature as well as the genesis and development of sports events. Sporting events play an important role in the cultures of modern societies, being one of the key forms of leisure. They create a platform for mental recreation which is a kind of escape from reality for the viewer and a place of rest.

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**Ricardo Eito-Brun**

THE INTEGRATION OF INNOVATION MANAGEMENT  
IN IT ORGANIZATIONAL INFRASTRUCTURE:  
A METHODOLOGICAL FRAMEWORK

**[keywords:** Innovation Management; SPEM; Software Engineering; Process models]

**Abstract**

Studies on innovation management are often focused on large companies and organizations. On the other side, small companies or VSE (Very Small Entities), constitute a significant part of the entrepreneurial landscape, and contribute – in a great extent – to the economic outputs of society and to the creation of employment. This is also valid for the system and software engineering business areas. Larger systems being built and deployed across Europe are usually built with the participation of small enterprises or research centres whose contributions have a key role in the resulting systems. Although these companies are sensitive to the importance of systematic innovation, most of the innovation models are targeted to large or medium enterprises and do not consider the specific characteristics of the system and software engineering industries. In this particular business area, innovation must consider two separate dimensions: a) the opportunities to innovate that system and software development companies may offer to their customers and prospects, and b) the application of techniques to innovate in the software development processes, to achieve better performance and leverage process capabilities and company productivity. Both dimensions require a systematic integration of the innovation management processes with the managerial and engineering processes of the organizations.

This paper proposes an extension of the process model described in the ISO/IEC 29110 standard to enable innovation management processes and activities addressed to VSE. The innovation activities and tools incorporated into the resulting model are based on existing innovation models and have been selected through interviews and surveys completed on different software development companies. SPEM (System and Software Process Engineering Metamodel) has been used as a process design framework to encode the resulting model and formally integrate innovation, managerial and engineering processes for VSE.

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**Eliza Grębowicz**

RECOMMENDATIONS FOR DETERMINING  
A PROFESSIONAL STARTING STRATEGY IN GERMANY  
FOR GRADUATES OF IT STUDIES

[**keywords:** graduate, IT, ITC, IT professional, career start, strategy, Germany, earnings, recommendations]

**Abstract**

In addition to general recommendations for choosing a career start strategy, there are market characteristics, such as expected earnings, taking into account various aspects such as industry, company size, level of education of a graduate or region of employment. The following article shows the results of current research in this field in Germany for beginning IT professionals to enable them to choose a career start strategy.

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**Ema Halavach, Mirosław Zalech**

THREATS AND RISKS FOR INTERNATIONAL TOURISM  
ASSESSED BY CLIENTS OF TOURISTS COMPANIES

[**keywords:** risk, threats, safety, international tourism]

**Abstract**

Tourism is perceived as one of the most perspective sectors in economy of many countries. Currently its development is affected by various factors (political, economic, natural, technologic etc.) raising fears among potential clients. Contemporary tourists choose more and more diverse destinations, which leads to increase of threats and risks in touristic sector and also pointing out destinations which may bring extremely dangerous situations for travellers.

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**Janusz Zalewski, Fernando Gonzales,  
Dahai Guo, Elias Kirche, Walter Rodrigez**

INTERNET OF THINGS AND ITS POTENTIAL  
IMPACT ON BUSINESS

[**keywords:** Internet of Things, system configurations, cloud computing, business models]

**Abstract**

This paper discusses the emergence of the Internet of Things (IoT), its major technical characteristics, including sensors and device connectivity, merging with the cloud, as well as its impact on creating new business models. IoT's configurations are presented, with examples of basic technical solutions, and benefits for the economy are discussed. In addition, several challenges and risks involved with the introduction of this technology are outlined, such as security, privacy and legal issues. The paper's emphasis is on discussing the background of the technology, so the depth of discussing technical aspects and addressing the research issues is limited.

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**Nina Rizun, Yurii Taranenko**

DEVELOPMENT OF THE ALGORITHM OF POLISH  
LANGUAGE  
FILM REVIEWS PREPROCESSING

[**keywords:** Preprocessing; Polish language; Tokenization; Lemmatization; Vector Space Model]

**Abstract:**

The algorithm and the software for conducting the procedure of Preprocessing of the reviews of films in the Polish language were developed. This algorithm contains the following steps: Text Adaptation Procedure; Procedure of Tokenization; Procedure of Transforming Words into the Byte Format; Part-of-Speech Tagging; Stemming / Lemmatization Procedure; Presentation of Documents in

the Vector Form (Vector Space Model) Procedure; Forming the Documents Models Database Procedure. The experiments of this algorithm conduction on the test sampling of reviews analysis was performed and the main conclusion was formulated.

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**Piotr Adamczewski**

## DEVELOPMENT TRENDS IN THE FIELD OF ICT IN SMEs

[**keywords:** digital transformation, ICT, SMAC, SME]

### **Abstract**

An active sector of small and medium enterprises (SME) in Poland is a pre-requisite of a properly functioning market economy. This sector encompasses various companies. The ICT (*Information and Communication Technology*) can help even the odds. SMAC (social, mobile, analytics and cloud) is the concept that four technologies are currently driving business innovation. SMAC creates an ecosystem that allows a business to improve its operations and get closer to the customer with minimal overhead and maximum reach. We have conducted a questionnaire-based survey to identify how polish SMEs perceive this phenomenon of e-business systems in era of digital transformation. The article discusses the current state and trends of changes in the computerization of modern SME enterprises using the SMAC systems. This was done on the basis of the results of the author's own research conducted in the period of 2014-16 in selected 120 enterprises of Mazowieckie and Wielkopolskie voivodships and they were referred to general development trends in the times of digital transformation.

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**Mariia Rizun**

## SOFTWARE SOLUTIONS FOR KNOWLEDGE WORKERS

[**keywords:** knowledge management, knowledge worker, knowledge actions, knowledge worker tasks, knowledge worker roles, software tools, software solutions]

### **Abstract**

The importance of knowledge management in today's economy is justified in the paper. Knowledge workers and the software tools they apply are chosen as major subjects of the research. The paper contains the author's versions of the definitions of knowledge management and knowledge worker. The correlation of knowledge actions, knowledge worker roles and tasks is analyzed. This paper considers the existing software tools from the point of view of their application by knowledge workers. The most frequently used software tools are distinguished. Conclusions on the research are drawn and further steps of the research are described in the final part of the paper.

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**Rafał Tkaczyk, Mateusz Bonecki, Szymon Bohdanowicz,  
Maria Ganzha, Marcin Paprzycki**

## COMPLEX EVENT PROCESSING IN CYBER-PHYSICAL SYSTEMS: A PRAGMATIC PERSPECTIVE

[**keywords:** R&D projects, complex event processing, cyber-physical systems]

### **Abstract**

This paper discusses complex event processing solutions developed in two European R&D projects (ACCUS and DEWI). The focus of this work is a comparison of assumptions of complex event processing and cyber-physical systems with solutions actually applied in them.

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**Jan Rusinek**

PARAMETER DEPENDENT TASKS - III

[**keywords:** TeX, operational tasks, drawing algorithm, computerization of teaching process]

**Abstract**

The article presents original examples of automated method of creating multi-version mathematical tasks of similar content with different numeral parameters. The parameters are drawn in order to obtain the most useful ones for didactics.

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**Lech Jaczynowski**

REVIEW OF 'PHISHING FOR PHOOLS. THE ECONOMICS OF  
MANIPULATION AND DECEPTION'  
BY G. A. AKERLOF AND R. J. SHILLER

[**keywords:** market economy, behavioural economy, ethics of business, manipulation mechanisms]

**Abstract**

The book, written by two laureates of Nobel Memorial Prize in Economic Sciences, is a great study of cases of manipulation in various spheres of life. A reader shall be provided with plenty of knowledge of contemporary economy, economics and non-ethical practices.

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**Aleksandra Pawłowska**

INTERNATIONAL SCIENTIFIC CONFERENCE ORGANISED  
BY IAFE-NRI ENTITLED “STRATEGIES FOR THE  
AGRI-FOOD SECTOR AND RURAL AREAS  
– DILEMMAS OF DEVELOPMENT”

[**keywords:** Multi-Annual Program, Common Agricultural Policy, strategies for the agri-food sector, agricultural producers]

**Abstract**

On 19-21 June 2017 an international scientific conference entitled “Strategies for the agri-food sector and rural areas – dilemmas of development” was held in Licheń. The event was organised by the Institute of Agricultural and Food Economics - National Research Institute. The aim of the conference was to present the results of scientific research carried out within the new Multi-Annual Program 2015-2019 “The Polish and the EU agricultures 2020+. Challenges, chances, threats, proposals”. The conference was attended by ca. 120 participants including representatives of research institutes, universities, public administration, farm advisory agencies and economic and political experts.