

Technical University of Košice
Faculty of Economics



ANNUAL REPORT
2015



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1 FOREWORD

Ladies and gentlemen,
the year 2015 brought significant changes to the Faculty of Economics of the Technical University in Košice. New management, which was elected, brought new ideas and new activities, new attitudes and points of view to everyday life and work aiming at supporting acceleration of research and educational development of the Faculty. Projects funded through FP7 program finished and new challenges provided by Horizon 2020 were undertaken. New calls for scientific and educational projects' proposals within various financing schemes and programs have one common characteristic, higher both quality and quantity of proposals leading to higher competition and lower rate of acceptance. Despite this, we can say, that year 2015 was another successful one in the life of the Faculty of Economics.



This Annual Report is an overview of research and other related activities at the Faculty of Economics of the Technical University in Košice during the calendar year 2015. The report provides a description of ongoing research projects and activities at the Faculty of Economics related to the research priorities of the Faculty. Furthermore, information on cooperation activities of the Faculty illustrating an international dimension of research and education is provided. Information on the PhD study, including information on PhD theses, also provides indication on the research activities at the Faculty. Finally, short CVs of the staff members and a list of selected publications published during the year 2015 complete the picture of our

research and educational activities.

The Faculty of Economics is putting great emphasis on international cooperation in the area of research and education, fostering links with institutions in private and public sectors and thus responding to their needs and to the needs of society in general. The effort put into research and internationalisation is reflected also in the evaluation of the Faculty by external agencies. The higher education institutions in Slovakia are annually ranked by the Academic Ranking and Rating Agency (www.arra.sk). In 2015, the Faculty of Economics of the

Technical University of Košice ranked the first place among the faculties in the category of economics, the fifth time in a sequence.

The Annual Report is aimed especially at universities, private and public institutions abroad as well as in the Slovak Republic, interested in collaboration in the area of research and education, as well as in consultancy and advisory services. The Report also targets university graduates who would be interested in PhD study at our Faculty. All readers, whether interested in cooperation with the Faculty or simply willing to provide some feedback on the activities mentioned in this Annual Report, are kindly invited to contact us.

Michal Šoltés

Dean

2 BACKGROUND

The Faculty of Economics was established in 1992 within the process of transformation of the Technical University into a “full-fledged” university covering also non-technical disciplines, but mainly as a response to transformation of the Slovak economy into a market driven one, which led to the growth of the whole financial sector and to an increased demand for new types of financial services. This process has significantly increased the demand for experts in the fields of finance, investments, and banking. The Faculty is following recent trends in development towards Knowledge economy and Information society, focussing also on the application of electronic services in economy and society. Issues of regional development are as well in the centre of interest of the Faculty staff members.

Mission of the Faculty: To develop knowledge and provide high-quality, professional education in the field of economic sciences. To contribute to the development of society and shaping of the regional economy through the provision of research and consultancy activity, continuing education and services for the local and regional communities.



Fig. 1: The Faculty of Economics, Technical University of Košice

Our Vision: The Faculty of Economics strives to be a sought-after faculty providing education in the spirit of democracy and humanism, leading students to tolerance and the capacity of critical and creative thinking, establishing conditions for free-ranging scientific research and dissemination of original and mediated knowledge, as well as systematically involving itself in international cooperation, so that it can take its rightful place among the highest-quality faculties of economics in the unified Europe.

In order to fulfil this mission, the Faculty fosters the spirit of democracy, tolerance and humanism, and supports critical and creative thinking among students. Innovation, quality, accountability, critical thinking and freedom of speech are the values which are shared by the Faculty staff.



Fig. 2: The Technical University of Košice

3 FACULTY MANAGEMENT

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4 DEPARTMENTS

The Faculty of Economics has five departments.

4.1 Department of Economic Theories

The Department staff members are doing research in the area of macroeconomic analysis, regional development, quality assessment and business environment and environmental economics. The projects carried out by the department are of interdisciplinary nature.

The courses offered by the Department provide students with knowledge of basic and advanced economic theories with application to actual economic problems. The Department aims to educate students in economics and to contribute to the advancement of the discipline through research and education. The major areas covered by the department are

- on Bachelor level: Micro- and Macroeconomics, National Economy, World Economy, International Economics, History of Money, History of Economic Thinking, Economic Policy.
- on Master level: Monetary Macroanalysis, Crises Management, European Integration. International Trade Forms

The Department also provides courses in social sciences such as Politology, Economic Sociology or Psychology, Social Communication and Diplomatic Protocol.

Head of the Department: Assoc. Prof. Rajmund Mirdala, PhD
E-mail: rajmund.mirdala@tuke.sk

4.2 Department of Finance

Research activities of the Department are focused on the problems of effective allocation of financial resources and their use in economic regions and all entities of private, public, and non-profit sectors performing economic activities. Research at the Department is also focused on the analysis of small and medium-sized enterprises (SMEs) with emphasis on their financing in connection with the EU enlargement, the financing of local municipalities, fiscal reforms applied in the Slovak Republic and information sources for financial analysis and accounting.

The Department's teaching activities include Corporate Finance, International Finance, Taxes and Tax Systems, Finance and Currency, Financial Markets, Accounting and Auditing, Public Finance, Economic Policy and Financial

Derivatives. The curriculum is a dynamic, keeping up with current trends and innovation in the area of finances. The Department is involved in several research projects.

Head of the Department: Prof. Vladimir Gazda, PhD

E-mail: Vladimir.Gazda@tuke.sk

4.3 Department of Banking and Investment

The Department's research activities are focused on analysis of foreign direct investments, banking, actuarial science, business process measuring, e-business, trust building, applications of information technologies in SMEs and public sector (eBusiness, eProcurement, eGovernment etc.) and datamining application in socio-economic problems. The Department staffs are involved in several international research projects aimed at socio-economic analysis of applications of information and communication technologies (ICTs) including e-business, as well as in national research projects focused on banking, eBusiness – performance measuring, decision support systems, risk management, sectoral analysis and measuring competitiveness. Educational projects cover areas of e-learning, training and advisory services in e-business management.

The Department offers courses in Banking, Bank Operations, Fundamentals of Investment, Portfolio Management, Financial Derivatives, Actuarial Science, Risk and Uncertainty in Finance, Technical Analysis, Financial Decisions and eCommerce.

Head of the Department: Assoc. Prof. Radoslav Delina, PhD

E-mail: Radoslav.Delina@tuke.sk

4.4 Department of Regional Science and Management

The Department of Regional Science and Management provides educational, research and expertise activities focused on Regional Development and Public Administration; Management and Marketing, Enterprise and Entrepreneurship, Innovation and Creative Industries.

The Department is involved in several international and national research projects in the area of Regional Sciences, Public Administration, Management, Marketing, Enterprise and Entrepreneurship, Innovation, Clusters, Creative Economy, Local economic impacts and Resilience of regions. The Department participates also in several international educational projects mainly in the area of e-learning, distance learning, life-long education, transfer of innovation and partnerships in adults learning. These activities enhance the quality of the

educational process and enable implementation of modern learning technologies and methods.

The Department supports student activities, e.g. student debate club and organises the Central European Conference on Regional Science.

The Department offers courses in Management, Human Resource Management, Strategy and Management of Small and Medium Enterprises, Public Administration Management, Managerial Skills Development, Business Economics, Marketing, Financial Institution Marketing, Marketing Research, Business Law, Labour Law and Social Security, Financial Law, Administrative Law, Sustainable Development, Programme and Project Preparation, Project Management, Regional Economy and Policy, Public Economics, Public Administration Theory, Strategic Management and Planning, Regional and Municipal Marketing, Urbanistics and Regional Planning, Innovation and Cluster Policy, Spatial Economics, Regional Labour Market, Economics and Analysis of Municipal Companies, Local Development, Demographics and Forecasting, Municipal Politics, European Regional Policy, Argumentation and Academic Debate, Managerial Games.

Head of the Department: Assoc. Prof. Peter Džupka, PhD

E-mail: Peter.Dzupka@tuke.sk

4.5 Department of Applied Mathematics and Business Informatics

The Department's research activities are focused on the topic of the Information Society in the context of its impact on citizens, education and businesses, as well as the policy aspects and regulatory framework of electronic communication networks. Information sharing on web-based platforms and electronic financial services, e.g. implementation of e-banking and mobile payment systems are investigated as well.

Courses offered by the Department are directed mainly towards application of mathematical and statistical methods in economic and financial applications, namely Mathematics, Graph Theory, Statistical Methods, Informatics, Economic Information Systems, and Electronic Services in Banking.

Head of the Department: Assoc. Prof. Jozef Bucko, PhD

E-mail: Jozef.Bucko@tuke.sk

5 RESEARCH PRIORITIES

The Faculty management has identified four main research areas with the following priorities:

1. Finance, Banking, Investment
 - Analysis of financial markets and investment tools;
 - Effective allocation of financial resources;
 - Tasks and issues of financial investment and control;
 - Analysis of investments and foreign direct investments (FDI);
 - Analysis of the financial status of small and medium-size enterprises (SMEs);
 - Financial and accounting theory.

2. Business Informatics
 - Measuring economic efficiency of information and communication technology (ICT) applications;
 - Socio-economic analysis of ICT applications;
 - e-Business, e-Procurement, e-Banking, e-Government, and e-Health;
 - Information Society development, benchmarking etc.;
 - Trends and indicators of Knowledge Economy and Information Society development, knowledge management and knowledge technologies, innovation (especially innovation related to application of ICT);
 - Information and network trust and security;
 - Methodology and methods of economics and business process modelling.

3. Regional Science and Public Administration
 - Decision-making processes at public administration;
 - Fiscal decentralization and regional governance;
 - Programming and EU structural policy;
 - Efficiency and Equity in Public Finance;
 - Location factors and regional development;
 - Strategic planning, Regional innovation strategies;
 - Innovations and Clusters;
 - Regional and city marketing and management;
 - Business environment analysis;
 - Creative Economy;
 - Resilience of regions;

- Local economic impact studies.

In research and development activities the Faculty cooperates with the Institute of Regional and Community Development of the Technical University of Košice (<http://www.tuke.sk/IRKR/>).

4. Healthcare Economics

- Macroeconomic and microeconomic analysis of the healthcare market;
- Economic efficiency of the health system;
- Health and social policy in Slovakia;
- Multi-dimensional analysis of the health status of marginalized and segregated communities;
- Analysis of the health behavior of the population of marginalized and segregated communities and its impact on the health of the slovak population;
- Economic quantification of efficiency and effectiveness of prevention programs in the surveyed area of Slovakia;
- Comprehensive analysis of the state and evolution of life expectancy of inhabitants of Slovakia and abroad and its determinants;
- Scientific extraction causes of death and groups of causes of death and quantification of their impact on the evolution of life expectancy among slovak population, creation of a forecasting platform;
- Mortality in regions of Slovakia and its socio-economic determinants;
- Aging of the slovak population and its impact on health and social policy of the slovak republic;
- Information and communication technologies in healthcare;
- Medical technology and economic aspects of their use in Slovakia;
- Strategic management of the health system in Slovakia;
- Development of economic metrics concepts for strategic framework of slovak healthcare system;
- Long-term health care and social policy.



Fig. 3: Meeting of the Meeting of the Faculty Academic Senate

6 RESEARCH PROJECTS

The Faculty of Economics, in cooperation with other universities, companies, financial institutions, public administration, regional and local governments, non-governmental organisations and organisations supporting regional development, participates in national and international research projects.

The research projects are funded from the following sources:

- EU R&D programmes, especially the 7th Framework Programme;
- Grant agencies in the Slovak Republic: the Scientific Grant Agency (VEGA), Agency for Support of Research and Development (APVV) etc.

6.1 International R&D Projects

<i>Project title:</i>	Enabling business-based Internet of Things and Services – An Interoperability platform for a real-world populated Internet of Things domain ebbits
<i>Acronym:</i>	ebbits
<i>Contract Number:</i>	FP7- ICT-2009-5-257852
<i>Supported by:</i>	European Commission, FP7, IST Programme
<i>Project type:</i>	Integrated project
<i>Coordinator:</i>	Ján Hreňo
<i>Associated Faculty:</i>	Peter Kostelník, Tomáš Sabol, Jozef Glova, Viliam Vajda
<i>Duration:</i>	2010 – 2015
<i>Website:</i>	http://www.ebbits-project.eu

Project objectives:

The ebbits project aims to develop architecture, technologies and processes, which allow businesses to semantically integrate the Internet of Things into mainstream enterprise systems and support interoperable real-world, on-line end-to-end business applications. It will provide semantic resolution to the Internet of Things and hence present a new bridge between backend enterprise applications, people, services and the physical world, using information generated by tags, sensors, and other devices and performing actions on the real-world.

The ebbits platform will support interoperable business applications with context-aware processing of data separated in time and space, information and

real-world events (addressing tags, sensor and actuators as services), people and workflows (operator and maintenance crews), optimisation using high level business rules (energy and cost performance criteria), end-to-end business processes (traceability, life-cycle management), or comprehensive consumer demands (product authentication, trustworthy information, and knowledge sharing).

The ebbits platform will be demonstrated in end-to-end business applications that feature connectivity to and on-line monitoring of a product in its entire lifecycle, i.e. from the early manufacturing stage to its end-of-life. The project will focus on two life-cycle stages: Manufacturing and consumption. In the manufacturing phase, the ebbits platform will support interoperability and interconnectivity between various subsystems in the production environment (manufacturing cells, manufacturing lines end entire manufacturing plants) and auxiliary non-manufacturing equipment such as energy control and energy monitoring equipment, regardless of geographical location and interface. It will support applications for physically optimising production flows, including logistics based on new, on-line optimisation schemes, which will include energy consumption and CO₂ emissions in the optimisation metrics. In the consumption phase, the ebbits platform will support continuous connectivity and on-line monitoring of consumer products regardless of geographical location. Comprehensive traceability of consumer products such as foodstuff and pharmaceuticals will be demonstrated based on widespread availability of wireless networks and smart home infrastructures.

In 2015, tools and models for semantic support of digital things management and semantic enhancement of event processing was developed for the ebbits platform. Energy efficient manufacturing and Food tracking domains were covered. Business plans for a platform deployment in selected pilot domains were prepared including legislative background analysis.

The ebbits project officially ended on 28th February 2015. The result is a widely deployable platform that allows enterprises to develop and deploy a new range of business applications by integrating the Internet of People, Things and Services into their systems. Results were demonstrated in two main scenarios: (1) full food traceability application integrating the enterprises (cow and pig farm, slaughterhouse, store, transfer and distribution company) on business level, pilot application enabled to track every single peace of meat with its full history; and (2) full effective manufacturing scenario including monitoring manufacturing cells and lines, optimizing whole assembly process in terms of energy and production flow efficiency. Ontology manager software source code was finalised. Partial ontologies used within demonstrations and demos were integrated into one final model connected to the IOT-A ontology. Ontology Manager was published as an

open source project towards the GitHub community. Project was evaluated as very good.

<i>Project title:</i>	Integrating Active, Flexible and Responsive Tertiary Prosumers into a Smart Distribution Grid
<i>Acronym:</i>	INERTIA
<i>Contract Number:</i>	FP7-318216
<i>Supported by:</i>	European Commission, FP7
<i>Local Coordinator:</i>	Marián Mach
<i>Associated Faculty:</i>	Marek Skokan, Peter Kostelník, Tomáš Sabol
<i>Duration:</i>	2012 – 2015
<i>Website:</i>	http://www.inertia-project.eu/inertia/

Project description:

INERTIA introduces the Internet of Things/Services principles to the Distribution Grid Control and Demand Side Management (DSM) Operations. It provides an overlay network for coordination and active grid control, running on top of the existing grid and consisting of distributed and autonomous intelligent Commercial Prosumer Hubs. This way, it addresses the present “structural inertia” of DG by introducing more active elements combined with the necessary control and distributed coordination mechanisms.

In 2015 the focus of the project was shifted to the implementation phase. The designed architecture has been implemented in a form of a set of cooperating components. To support the architecture, several models have been produced and extended, including models of selected distributed energy sources, Common Information Model, and a set of semantic models (e.g. location context model, device model, and occupant model).

The INERTIA project officially ended on 24 November 2015. Results were demonstrated in three main scenarios: (1) local control hub - monitoring and control of intelligent building under several different conditions taking into account the overall comfort of building occupants; (2) offering ancillary services to system operators - validation of different services that aggregators can provide to DSOs as part of their role in the deregulated energy market environment; and (3) utilizing portfolio flexibility for imbalance risk reduction services – balancing forecasted with actual demand of the portfolio side from a technical point of view. Project was evaluated as very good.

<i>Project title:</i>	Urban Sensing through User Generated Contents
<i>Acronym:</i>	Urban-Sensing
<i>Contract Number:</i>	FP7- 314887
<i>Supported by:</i>	European Commission, FP7
<i>Local Coordinator:</i>	Ján Paralič
<i>Associated Faculty:</i>	Peter Bednár, Peter Koncz, Jozef Wágner, Tomáš Sabol, Marián Mach, Ján Hreňo
<i>Duration:</i>	2012 – 2015
<i>Website:</i>	http://urban-sensing.eu/

Project description:

Urban Sensing project brought a new product concerning the urban design, city planning and urban management market: a platform extracting patterns of use and citizens' perceptions related or concerning city spaces, through robust analysis of User Generated Content (UGC) shared by the city users and inhabitants over social networks and digital media.

Traditional data collection methods - such as surveys, interviews and ethnographic observations have some limitations: high cost in terms of time and resources and limited size of the samples they can generally cover.

More recently, methods based on real-time data and web harvesting have been adopted, but focus on their spatial and temporal dimension is still lacking. Now it is time to experiment with new methods, which are made possible by the fact that an increasingly high number of citizens can produce and share geolocalized information about their everyday life experience on searchable social platforms such as Twitter, Facebook, Foursquare etc.

Applying text mining and conversation analysis to geolocalized UGC Urban Sensing provides meaningful indexes and dynamic maps depicting citizens' shared perceptions, emotions, hints and opinions regarding public services, urban spaces, time-based events, and the city as a whole. A set of visualisation tools provides interaction with this maps and indexes allowing an insight into understanding how public policies, spatial interventions, events and transformations are perceived within a city, and at the same time it gives hints to designers, developers and entrepreneurs adopting a more human-centred approach toward our cities' evolution.

In 2015 the third and final prototype of the Urban Sensing platform was implemented and tested by SME partners within the pilot applications. The project has been successfully completed and has got excellent assessment report. It was suggested to be "highlighted as a success/case story" and proposed for "high visibility/media attractive project".

Project title: **Monitoring Methodologies for Web-accessibility in the European Union**

Acronym:

Contract Number: **30-CE-0679566/00-74**

Supported by: European Commission

Local Coordinator: Radoslav Delina

Associated Faculty: Martin Kubačka

Duration: 2015

Project description:

During 2015 the Faculty, as a subcontractor to the company Funka from Sweden, contributed to the tender published by the European Commission (EC) in the field of web-accessibility situation in Slovakia with identification of best practice. Country report was incorporated into global European report and delivered to the European Commission.

Project title: **Ziping and Innovating the Development Planning of the Cross-Border SK-UA Territory**

Acronym: **ZIP**

Contract Number: CBC01010

Supported by: Norwegian Financial Mechanism / EEA Financial Mechanism

Local Coordinator: Oto Hudec

Associated Faculty: Peter Džupka, Monika Šiserová, Nataša Urbančíková, Tomáš Želinský

Duration: 2015 – 2017

Website:

Project description:

Goal of the project is to closely tie cooperation in the Slovak - Ukrainian cross-border region in the sphere of planning of development activities through a joint innovative planning process so as to face socio-economic and environmental threats to the project target region on one hand, and utilizing its potential for local economic development on the other. The project target region, either its Slovak or Ukrainian part, is politically geographically economically, and infrastructurally marginalized and its possibilities for development based on statewide goals are significantly limited. That is why it is necessary to focus on a new approach of planning of local development by identification and mobilization of their own internal cross-border potential (especially in the areas of human resources, social

capital and capacity for innovation), as well as to harmonize relevant development goals.

Project activities includes creation of the Project Expert Working Group, survey of the current situation in the project target region in the sphere of development planning, analysis of the possibilities of their closer integration (zipping), or eventual elimination of contradictions, preparation of the local development cross-border strategy, preparation of the concrete common cross-border project proposals, and development and promotion of recommendations for regional and local self government.

6.2 National R&D Projects

<i>Project title:</i>	Economic Behaviour of Children from Marginalised Roma Communities
<i>Supported by:</i>	Slovak Research and Development Agency
<i>Contract Number:</i>	APVV-0125-12
<i>Coordinator:</i>	Tomáš Želinský
<i>Associated Faculty:</i>	Marek Gróf, Matúš Kubák, Slávka Mačáková, Andrej Belák
<i>Duration:</i>	2013–2017

Project description:

Economic theory generally considers adults (but not children) as economic agents. Children play a very important role in economic decisions and consumption of households. The most important research question regarding children's behaviour is to what extent behaviour of children is innate and spontaneous or taught and enforced by their parents. Poor people are a specific group of economic agents, in which "culture of poverty" can be created. Certain studies indicate that poor and non-poor behave differently and have different preferences – poor are in general more impatient than non-poor. The main goal of the research projects is to uncover to what extent social preferences and economic decision-making patterns of poor people (from marginalised Roma communities) are transferred from parents (and grand parents) to their children. Scientific level of the project will be assured by using modern research methods of experimental economics (artefactual field experiment / lab experiment in the field) aimed at experimental measurement of social preferences and time discounting. Methods of experimental economics became an important tool for testing (and replacing) standard assumptions on

decision processes of economic subjects. The first phase of data collection was finished in 2015. Data on time preferences, risk preferences, fairness, willingness to contribute and social identity were collected. The first results are expected to be presented at international conferences and published in 2016.

<i>Project title:</i>	Paradigms of the Future Changes in the 21st Century (Geopolitical, Economic and Cultural Aspects)
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA2/0004/12
<i>Coordinator:</i>	Vincent Šoltés
<i>Associated Faculty:</i>	Michal Šoltés, Tomáš Želinský, Soňa Svocáková, Ján Buleca, Beáta Csanková
<i>Duration:</i>	2012 – 2015

Project description:

Key processes and paradigms of the post-crisis development in the 21st century will be defined on the basis of seven selected aspects: models of the present society, questions of the future society, income stratification and inequalities in the world, global consumption, technologies and future development of society, sustainable development of society, controlled society. Preliminary results have been presented at international and national conferences and published in academic journals (including journals indexed in Web of Science and Scopus).

<i>Project title:</i>	Economic Crisis and Economic and Monetary Union Member Countries in perspective of the Theory of Optimum Currency Area
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0892/13
<i>Coordinator:</i>	Rajmund Mirdala
<i>Duration:</i>	2013-2015
<i>Associated Faculty:</i>	Manuela Raisová, Ľudmila Bartóková, Julia Ďurčová, Olga Nosáľová, Marianna Siničáková, Aneta Svrčeková, Marián Šestina, Anna Ruščáková, Jozefína Semančíková.
<i>Duration:</i>	2013-2015

Project description:

Economic crisis affected economic growth of Economic and Monetary Union (EMU) member countries. It also took place for discussion about role of Euro currency. As a result it is questionable whether current economic problems result from not optimal local policy actions of member countries or they are pure result of not optimal EMU itself. Main objective of the project is to analyze origins of differing economic crisis casualties in EMU member countries, emphasizing role of optimum currency area conditions fulfilment, reflecting current state of art. Big attention is focused on fiscal policy and its growing anticyclical potential resulting from process of monetary integration that is weakened by effects of debt crises, consolidating actions of national governments and at the same time by the fiscal federalism or unification trends in European Union (EU). By observing wide aspects and casualties of economic crises in EMU member countries we should be able to estimate stabilization potential of national fiscal policies.

<i>Project title:</i>	The level of clusters' financing in the European countries and the potential opportunities to increase their support in Slovakia
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0506/13
<i>Coordinator:</i>	Peter Burger
<i>Associated Faculty:</i>	Nataša Urbančíková, Iveta Korobaničová, Viliam Kováč, Slávka Klasová, Janka Pálffyová
<i>Duration:</i>	2013 – 2015

Project description:

Successful clusters are most often found in countries and regions with strong support of science, research and innovation. Slovakia is one of the few countries in the European Union that does not have an approved independent cluster strategy. This fact reflects the smaller interest in supporting clusters in Slovakia. The aim of the project is to design a proposal for clusters' support in Slovakia, based on the current clusters' support in the European countries and customized to the financial possibilities of Slovakia. Achieving this goal is not only important in relation to the implementation of the strategy Europe 2020, to which Slovakia is committed, but also to gradually increase the innovation performance of Slovakia and its regions. In order to design such a proposal, it is necessary to prepare not only a detailed analysis of the current financing of clusters in the

European countries, but mainly to make a primary research in cooperation with representatives of the clusters in Europe.

<i>Project title:</i>	Analysis of the fundamental information impact on the spot prices of major currencies
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0795/13
<i>Coordinator:</i>	Viliam Vajda
<i>Associated Faculty:</i>	Renáta Pitoňáková, Mojmír Prídavok, Michaela Urbanovičová, Marek Gróf, Pavel Kisela, Miroslav Szpyrc, Viera Kysel'ová, Jozef Heteš, Jozef Glova, Damián Pastor
<i>Duration:</i>	2013-2015

Project description:

The aim of the project is to analyze and determine the impact of the quantifiable and periodically announced fundamental information on development of the spot prices of selected currency pairs. To achieve this goal it is important to collect and analyze freely available and paid fundamental data and develop a set of fundamentals with significant impact on major currency pairs. Analysis of the impact will be carried out using data mining and econometric software. It will be analyzed and quantified the price movement, after the announcement of fundamental news and the potential synergies will be monitored, in case that news are announced in about the same time period. Trading strategy based on technical analysis indicators will be developed and tested and evaluated its effectiveness. The strategy will be optimized by using results of analysis of the fundamentals and the strategies will be compared. In this way the empirical validation of the theoretical impact formulated in the analysis will be performed.

<i>Project title:</i>	Determinants of efficient purchasing supported by electronic solutions
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0855/14
<i>Coordinator:</i>	Radoslav Delina
<i>Associated Faculty:</i>	Mojmír Prídavok, Miroslava Packová, František Janke
<i>Duration:</i>	2014 -2015

Project description:

The project focuses on behaviour of suppliers in electronic procurement processes and on the factors which influences their efficiency. Within the research the analysis of real procurement data, identification of electronic reverse auction setting parameters, and identification of non-standard situations, which influences the efficiency of the whole electronic selection procedure will be examined. A conceptual model of these parameters was proposed and tested. Based on these analyses, the set of decision rules and decision model for better decision making in procurement was generated. The research continues on research conducted within european research project in the domain of technologies for Digital Business Ecosystems. Research results are the inputs to the further research cooperation with relevant commercial and public actors.

<i>Project title:</i>	Analysis of differences in innovation performance of spin-off and start up firms in Slovakia
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA1/0548/14
<i>Coordinator:</i>	Peter Džupka
<i>Associated Faculty:</i>	Slávka Klasová
<i>Duration:</i>	2014-2015

Project description:

Focus of the project is to analyze the main differences in innovation performance between "spin-off" companies and "start-up" companies, and to identify the needs of these firms in different stages of their development. Currently in Slovakia new science and technology parks are going to be build through the various public programs. Many of these parks are establishing nearby the universities as major infrastructure projects - buildings and equipment. This infrastructure is designed to support the creation of spin-off companies from the university environment. According to the available literature spin-offs differ significantly from start-up companies that originate outside the university environment without any support, influence, or interference with other institutions. Development phase of these companies, their needs and support tools are also different from other companies emerging independent environment. When analyzing the spin-off and start-up companies geographical proximity and supporting basic research infrastructure is important. Therefore, the vast majority of spin-off and start-up companies are created in the centers of large cities. For this reason, the project is geographically focused on two major economic a research centers in Slovakia - Bratislava and Košice, which corresponds to the composition of the research team. The main

objective of the project is to identify the key differences in innovation performance of spin-off and start up companies and to analyze the differences in needs of these companies at different stages of their development.

<i>Project title:</i>	Multidimensional economic and financial evaluation of the implementation process and the use of one day health care and quantification of the financial impact on the health system in the Slovak Republic
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0929/14
<i>Coordinator:</i>	Beáta Gavurová
<i>Associated Faculty:</i>	Eva Modráková, Ľudmila Pavliková, Monika Harčariková, Jozef Glova, Bibiána Nováková, Tatiana Vagašová
<i>Duration:</i>	2014-2015

Project description:

Measuring the performance of public health systems in the EU Member States is known on a very low level. In our country there is an enormous challenge to find an effective way to provide high quality health care (HC) and take into account current available resources. If we add the demographic projections of population aging, it can be concluded in the future the increasing prevalence of demand for HC and its cost. A recent survey conducted in 19 countries showed significant differences in the percentage of realized performance of day surgery. The range is varied from less than 10%, to the extent of more than 80%. For Slovak doctors are benefits from realization overnight HC (OHC) performance in high efficiency and rationalization of work, not only saving money of health insurances. Penetrations of these sources are contradictory responses regarding the economy and effectiveness of deployment and use of OHC performance. OHC development in SR is closely associated with the process of reducing beds. Slovakia is one of the OECD countries with the lowest efficiency of HC, while the number of beds per 1000 inhabitants is above the average of OECD. It is necessary to search for optimal methodologies to measure and evaluate the effectiveness of deployment and use of OHC in Slovakia.

<i>Project title:</i>	Income Stratification and Polarization Perspective of Slovakia until 2030
<i>Contract Number:</i>	2/0026/15
<i>Coordinator:</i>	Iveta Pauhofová
<i>Associated Faculty:</i>	Tomáš Želinský, Daniela Petriková, Tatiana Soroková, Alena Tartal'ová
<i>Duration:</i>	2015-2018

Project description:

Research of income stratification allows to identify space for consumption as a contribution to economic growth in domestic demand. Crisis after 2008 caused an increase in income inequalities not only among the EU countries, but also within the countries. The goal of the project is to identify income stratification of the population and the context of its development: from the perspective of development of macroeconomic framework for identification of options space for consumption (the contribution of domestic demand to economic growth), with regard to the labor market, long-term unemployment.

<i>Project title:</i>	Proposal of the dimensional models of the management effectiveness of ICT and information systems in health facilities in Slovakia and the economic-financial quantification of their effects on the health system in Slovakia
<i>Contract Number:</i>	1/0986/15
<i>Coordinator:</i>	Vincent Šoltés
<i>Associated Faculty:</i>	Beáta Gavurová Jozef Glova, Michal Šoltés, Tatiana Vagašová, Bibiana Nováková, Janka Milkovičová
<i>Duration:</i>	2015-2016

Project description:

Between the health needs of citizens and the financial resources of health system are significant disparities. Basic determinants are the growth of health needs caused by increased life expectancy and constantly increasing demands of citizens to health services. The costs of providing health services can be reduced by the correct implementation of the project eHealth, as evidenced by its cost-benefit analysis from a successful realisation abroad. The aim of the project is to specify the models for assessment of economic benefits from using ICT/IS in the health facilities in Slovakia and quantify the economic effects of the application of dimensional models of the management of the economy ICT/IS on the health

system in Slovakia in the context of eHealth. The focus of the project on the management of economy ICT/IS in the health facilities in Slovakia is justified by the urgent issue of the informatization of health system, assessing its effectiveness, as well as effectiveness the whole health system.

<i>Project title:</i>	Barriers and utilization possibilities of Pre-Commercial Procurement (PCP) approach in innovation public procurement in Slovak Republic
<i>Contract Number:</i>	VEGA-1/0922/15
<i>Coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Radoslav Delina, František Janke, Martin Kubačka, Martin Dujčák, Miroslava Packová
<i>Duration:</i>	2015-2016

Project description:

Project focuses on analysis of potential of Pre-Commercial Procurement approach in Innovation Public Procurement processes. Based on survey of current state in EU, interview with european experts in this domain as well as questionnaire survey, the support framework for PCP processes for Slovak condition will be delivered. This base support framework of PCP will include proposal of development concept, proposal of supportive e-services and model of adoption of PCP in Slovakia, with the aim to support the efficiency of innovation and R&D public procurement processes. Results will be presented in journals' publications, on international conferences, as well as through published monography containing report about current state and proposals for PCP support for benefit of public bodies representatives.

<i>Project title:</i>	Development of banking sector and economic growth: Evidence from new EU countries after 10 years of membership
<i>Contract Number:</i>	VEGA -1/ 1/0446/15
<i>Coordinator:</i>	Kristína Kočíšová
<i>Associated Faculty:</i>	Renáta Pitoňáková, Alena Mojsejová, Ivana Špirengová, Jozef Heteš
<i>Duration:</i>	2015-2017

Project description:

In 2004 Slovakia with 9 countries became a member of EU. The proposed project fills the gap in current empirical literature on development of these banking sectors. Research will be carried out in several areas. Firstly, will be examined structure of banking sectors where banks of new EU member states operate. Will be used recent theoretical models and gained new knowledge on competition, stability, performance and banks efficiency and determinants that influenced development of credit and deposit market for last 10 years. Secondly, new theoretical framework for measuring bank efficiency in incorporation of credit risk in form of non-performing loans based on the use of parametric and non-parametric methods will be created.

<i>Project title:</i>	Correction Mechanisms of External and Internal Imbalances in the Eurozone Member Countries Based on Symmetric Macroeconomic Policies
<i>Contract Number:</i>	VEGA - 1/0994/15
<i>Coordinator:</i>	Marianna Siničáková
<i>Associated Faculty:</i>	Rajmund Mirdala, Veronika Šulíková, Manuela Raisová, Ľudmila Bartóková, Marián Šestina, Martin Kameník, Ľubica Štiblarová, Anna Ruščáková, Jozefína Semančíková
<i>Duration:</i>	2015-2017

Project description:

Several European countries were touched by significant decline of competitiveness during last decade. Current account imbalances stemming from asymmetric macroeconomic effects in the euro area and worsen financing of current account deficits in South European countries due to financial crisis revealed weaknesses of European monetary union architecture. Solutions based on expenditure reductions in debtor countries without application of expansionary policy in creditor countries led to aggravation of recession and escalation of debt crisis in peripheral euro area countries. The aim of the project will be to suggest an efficient mechanism of symmetric macroeconomic policies to reduce external and internal imbalances in the European monetary union member states.

<i>Project title:</i>	Redefining regional development - moving towards resilient regions
<i>Contract Number:</i>	VEGA - 1/0454/15
<i>Coordinator:</i>	Oto Hudec

Associated Faculty: Nataša Urbančíková, Iveta Korobaničová, Gabriela Koľveková, Peter Džupka, Miriam Šebová
Duration: 2015-2017

Project description:

Economic integration in Europe has changed the map of economic relations with far-reaching consequences for the EU. The economic crisis has unfortunately revealed that this process is not stable, and still contains a number of serious unresolved problems that threaten the stability of the European economy as a whole. Imbalance and instability are often mentioned as one of the important factors of the crisis itself, not only within the EU but also globally. Strong emphasis is placed on regional resilience. The project is focused on the preparation and application of the concept of regional resilience, which is redefining the standard view on regional growth and development. Concept allows to explain the trajectory of regional development on the basis of resistance to incoming external and internal changes. The project examines the nature and extent of shocks, effects on the regional economy in Slovak conditions. It examines the resistance response flexibility and adaptation of regional economies to shocks.

Project title: **Approaches for fiscal imbalance solution in terms of the EU and in the context of the systemic crisis.**
Contract Number: VEGA - 1/0967/15
Coordinator: Lucia Mihóková
Associated Faculty: Andrea Tkáčová, Martina Bobriková, Radoslav Tušan, Monika Harčariková, Slavomíra Martinková
Duration: 2015-2017

Project description:

The current crisis called as systemic has affected all countries, regardless of their economic maturity. Consequences of the crisis, have a negative impact on both the real and the financial economy. Particular attention is paid to the substantial deepening of current deficit oriented fiscal management trends. Fiscal deterioration, acceleration of public debt and the lack of fiscal space to implement counter cyclical measures intensified the long-term concerns about the sustainability of countries' public finances. Professional literature, empirical studies, whether taken measures of EU countries show a non-systematic measure implemented when addressing the everdeepening fiscal imbalances. The result of

the project will be: to identify options of fiscal imbalance solution in SR in the context of already achieved positive and a negative partial results of the EU, as well as the newly adopted measures—quantified by prediction models and assessing the impact of debtmonetization to the stability of financial market.

<i>Project title:</i>	Universities and economic development of regions
<i>Supported by:</i>	Slovak Research and Development Agency
<i>Contract Number:</i>	APVV-014-0512
<i>Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Nataša Urbančíková, Miriam Šebová, Peter Džupka
<i>Duration:</i>	2015–2018

Project description:

Universities are considered to be the driving force of economic development and their impact is concentrated mainly in the regions where they are located. The project focuses on the study of the economic importance of universities for the development of regions from four different perspectives. The short-term regional economic impact which will be quantified using an I-O analysis will be examined. The long-term impact of universities on business development and human capital in the host region will be researched as well. Specifically, the impact of universities on the development of innovative business through the creation of university spin-off companies will be pointed out. Project also addresses the efficiency and effectiveness of regional development policies through support of universities.

6.3 Project proposals submitted and accepted for funding

During the year 2015 the Faculty staff members have been working on new project proposals which have been submitted within the calls for proposals published either by the European Commission or national research agencies. The following projects will start in 2016:

<i>Project title:</i>	The Efficiency of Digital Single Market Development determined by the changes in transparency level, information asymmetry and socio-economic characteristics of market subjects.
<i>Supported by:</i>	Slovak Ministry of Education

Contract Number: VEGA 1/0807/16
Coordinator: Radoslav Delina
Duration: 2016 -2017

Project title: **Economic Implications and Perspectives of the Participation of the Slovak Republic in the Process of Production Activities Fragmentation within Global Value Chains**

Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0961/16
Coordinator: Rajmund Mirdala
Duration: 2016-2018

Project title: **Financial health of companies and its importance in the context of supplier-customer relations**

Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0978/16
Coordinator: František Janke
Duration: 2016-2017

Project title: **Digital Identity in the Slovak Republic and its economic importance**

Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0495/16
Coordinator: Martin Vejačka
Duration: 2016-2017

Project title: **Measurement of Intangible Assets and Associated Reporting Practices**

Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0607/16
Coordinator: Alena Andrejovská
Duration: 2016-2017

Project title: **Indebtedness of local municipalities of Slovakia, the Czech Republic and Hungary and its impact on financing of public services**

Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0559/16

Coordinator: Marián Gál
Duration: 2016-2018

Project title: **Depth data analysis and modeling of processes in the network economy system as a part of bussines intelligence**
Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0519/16
Coordinator: Jozef Bucko
Duration: 2016-2019

6.4 Research Activities of Students

Students of the Faculty participate in research activities. Annually, a competition of students' research works (ŠVOČ) is organised. The winners at the Faculty level are nominated to national and international ŠVOČ competitions.

ŠVOČ at the faculty level were held in December 2015 with the following results:
1st place: Dávid Mantič: Institutional factors of success in start-up and spin-off companies;
2nd place: Miriama Tarhaničová & Žofia Sinčáková: Current problems of the automotive industry in the national and international context;
3rd place: Peter Dančovský: Comparison of the population by level of educational attainment in terms of time and its impact on selected demographic indicators.

Two faculty students were awarded in regional competition of the best diploma thesis within the tax field, organised by the Slovak Chamber of Tax Advisors on May 26, 2015. The second and third places were won by students presenting their papers:

2nd place: Bc. Eva Durbáková: Development and Analysis of Taxes on Corporate Income in EU countries using the Method of Cluster Analysis
3rd place: JUDr. Peter Huba, PhD: Evasion of Value Added Tax

7 STUDY PROGRAMMES

The Faculty of Economics offers accredited study programmes in the field of Finance, Banking and Investment and Economy and Management of Public Administration. The study programme in Business Informatics is offered in cooperation with the Faculty of Electrical Engineering and Informatics of the Technical University of Košice.



Fig. 4: Promotional event (“The Day of Open Doors”) for pupils of secondary schools interested in study at the Faculty of Economics

Study Programmes:

Finance, Banking and Investment: Professional profile of the graduates corresponds to the requirements of financial institutions (e.g. banks, insurance, audit and investment companies) and enables them to apply for managerial positions in public and private sectors. The Faculty offers degrees on: a) Bachelor level (on average three years of study); and b) Master level (another two years of study). PhD study programme is offered in the scientific branch Finance.

Economy and Management of Public Administration: The programme is designed to prepare students for professional and managerial positions in public agencies, governmental departments and administrative entities and non-profit organisations offering knowledge in economics, regional science and public administration. Bachelor and Master study is provided in the study Programme Economics and Management of Public Administration. The corresponding PhD study programme has been renamed to Spatial and Regional Economics.

Business Informatics: The study programme (at Bachelor and Master level) has been prepared in cooperation with and is offered by the Faculty of Electrical Engineering and Informatics of the Technical University of Košice. The study is focusing on economic, managerial and organisational aspects of the design, development, deployment and use of information and communication technologies.

In the academic year 2015/2016 (registered till October 31, 2015) 717 full-time Slovak students, 28 international students, 180 Slovak and 1 international student part-time bachelor and master-level students and 33 internal and 22 external PhD students studied at the the Faculty.



Fig. 5: Final state exams (Master degree programme)

8 FURTHER PROFESSIONAL EDUCATION AND CONSULTATION SERVICES

Within the life-long education the Faculty of Economics offers further professional development courses. The course “Finance, Banking and Investment” with a nominal length of four semesters (288 hours of tuition) is focussed on the following target groups:

- University graduates who graduated in non-economic fields and currently are seeking for re-qualification or need training in economics to increase their chances of promotion or obtaining a better job;
- University graduates in economics wanting to update/upgrade their knowledge in the field of finance, banking and investment;
- Unemployed university graduates seeking re-qualification.

The course consists of the following modules: Banking, Financial Mathematics, Tax and Taxation, Financial Markets, Accounting, Corporate Finance, International Finance, Investment, Public Finance, Stock Exchange Market, Financial Derivatives, Actuarial Science, E-Commerce Assistant. The course is accredited by the National Accreditation Committee for Further Education. After successful completion of the course, the participants receive a certificate.

Accredited educational course “Entrepreneurial Competences” offered by the Faculty consists from the following modules:

- Sustainable Development and Business Opportunities;
- Entrepreneurial Creativity and Innovation Management;
- Entrepreneurship;
- Business Planning;
- Small Business Administration;
- Business English.

The Faculty offers also advisory and consultation services in the following areas:

- Financial management, profitability analysis, cost management, price calculation, capital budgeting;
- Finances analysis, financial performance measures;
- Investment tools, derivatives, risk management;
- Financial accounting, reporting, auditing;
- Strategic management and planning;

- e-Business, e-Banking, and e-Government applications;
- Trust building mechanism;
- Information system analysis and modelling;
- Regional and local strategies for innovation and human resource development;
- Actuary science, products.

9 EDUCATIONAL AND MOBILITY PROJECTS

9.1 International Educational and other Projects

<i>Project title:</i>	Head in the Clouds: Digital Learning to Overcome School Failure
<i>Acronym:</i>	CloudLearning
<i>Supported by:</i>	European Commission – Erasmus+
<i>Contract Number:</i>	2015-1-AT01-KA201-005024
<i>Local Coordinator:</i>	Tomáš Želinský
<i>Associated Faculty:</i>	Tomáš Sabol, Pavol Pekarčík
<i>Duration:</i>	2016-2018

Project description:

The project deals with the prevention of early school leaving, the development of basic and transversal skills and the enhancement of digital education in the context of minorities, mainly Roma. Educational disadvantages and exclusion lead to lacking integration in the labour market and exclusion from society in general, which is a vicious circle in minority communities this project wishes to break. In three location in Slovakia, Romania and Kosovo the partners will implement an innovative educational approach to tackle the issue with a number participating children and youth. In their afterschool and youth programmes they will use a SOLE-box and specifically designed learning materials to engage students and youth in their own learning process. SOLE stands for Self-organized Learning Environments and represents a widely recognized alternative educational method that supports an individual learning process according to a student's abilities, needs and interests.

The strategic partnership starts with a needs assessment to tailor the methods to the local context. The accordingly developed tools will be trained to teachers and youth workers, then implemented by the same and evaluated with the support of the partner SCIO. The team will observe changes in learning disparities, school attendance, school leaving, pursuit of careers and rise in transversal skills like digital competences. Based on the evaluation the SOLE-box and educational materials will be improved and again trained to teachers and youth workers. After the three years the partners working with the target groups directly will continue their implementation of the methods, tools and materials - learning with their children and youth in the clouds. The team of seven cross-sectoral partners

(universities, NGOs, Foundation, school and SME) will create a platform for interested stakeholders and to support follow-up projects reducing learning disparities between minorities and their peers.

<i>Project title:</i>	Strengthening Higher Education in the Sphere of Finance in Siberia and Far East of Russia
<i>Acronym:</i>	EduSFE
<i>Contract Number:</i>	543891-TEMPUS-1-2013-RU
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec
<i>Duration:</i>	2013-2016

Project description:

Project aims at modernization of higher education in Economics on Master-level in the remote Russian regions Siberia and the Far East. It contributes to reform of existing master curricula at five Russian HEI in the remote regions Siberia and Far East in accordance with EU educational standards and to increase the convergence of these master programmes with labour market demands. It also enhances the international orientation of these master programmes through five new double degree programmes between EU and Russian HEIs in line with the Bologna process. During the second project year the double degree diploma programmes between Russian universities and 5 EU universities has been signed. The upgrade of existing courses and training of teachers have been carried out.

<i>Project title:</i>	Higher Education and Companies FOSTERING ETHICAL Skills
<i>Acronym:</i>	HECOS FOR ETHICS
<i>Contract Number:</i>	014-1-IT01-KA200-002484
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec
<i>Duration:</i>	2014-2017

Project description:

HECOS FOR ETHICS strives to develop new methods and tools to assess, certify and spend learning products in EQ framework, enhancing outdoor training as a vehicle to let production and international cooperation sector meet and, at the same time, to foster the adoption of CSR by the production system.

The project will introduce modalities to certify acquired skills and incorporate them in the ethic skills area of EQF for managers. The approach of new contexts and methods to gain, meanwhile organizational skills and skills defined by the ethical describers of EQF for managers to assess them, is an innovation because the venue of the training can be transfred from training centers and schools to an operative venue, a theatre of developing projects, while enhancing values that are objects and topics of the ethical competencies area in EQF for managers.

<i>Project title:</i>	Strategic Partnership for Creativity and Entrepreneurship
<i>Acronym:</i>	SP4CE
<i>Contract Number:</i>	2014-1-PL01-KA200-003341
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec, Dana Pařová
<i>Duration:</i>	2014-2017

Project description:

There are problems with the lack of trainings increasing competence of students in areas needed by enterprises and lack of innovative solutions for student-teacher-enterprises collaboration in vocational and high education trainings. Project aims to preparation of multi-user platform for common approach and will provide a new Pedagogical and Organizational Model for communities and individuals to explore their innovative potentials by the use of ICT-tools proceeding the strengthening of their self-esteem. The results will contain the Knowledge Generating House as a site enhancing innovation on a social networking basis designed according to the Open Innovation concept.

<i>Title:</i>	Building a global multidisciplinary digital governance and policy modelling research and practice community
<i>Acronym:</i>	eGovPoliNet

Contract Number: FP7-288136
Supported by: European Commission, FP7
Project type: CSA
Coordinator: Jozef Glova
Associated Faculty: Tomáš Sabol
Duration: 2011 – 2014
Website: <http://www.policy-project.eu/>

Project description:

The project had the following objectives:

- •Establish a global multi-disciplinary digital participation, governance and policy modelling research and practice community
- •Achieve a lasting integration of currently fragmented research in the covered areas
- •Stimulate joint research and practice in the covered areas
- •Disseminate research and practice in the covered areas among stakeholders

The project set up an international community in ICT solutions for governance and policy modelling. The community shares and advances research and insights from practical cases. Capabilities, tools and methods brought forward by academia, ICT industry, highly specialised consulting firms, and policy operators and governance experts have been investigating and collecting in a knowledge base. Functions of the project towards community building, RTD monitoring and comparative analysis is conducted in an internet-based participatory manner. Regular webinars took place at the beginning of 2015 and Community building supported by a community portal for knowledge sharing, collaboration, and dissemination, finished. The project covered axes of technology, participative processes, governance, policy modelling, social simulation and visualisation. In 2015 community and constituency building activities finished, and the Knowledge Base was upgraded. The whole project was reviewed as excellent in front of the European Commission in Brussels.

Project title: **Opening Doors for Cross Border Clusters in Slovakia and Ukraine**
Acronym: **CLUSTERING**
Contract Number: HUSKROUA/1001/148
Supported by: Hungary-Slovakia-Romania-Ukraine ENPI CBC Programme 2007-2013

Local Coordinator: Oto Hudec
Associated Faculty: Nataša Urbančíková, Peter Burger
Duration: 2012 – 2015
Website: www.clustering-project.eu

Project description:

The project objective is to increase the capacity and to strengthen the economical potential of two cross border and convergence regions by supporting the development of new innovative cross border research-driven clusters and cluster initiatives in cooperation with associating research entities, universities, enterprises, business support organisations and regional authorities. Another objective of the project is to increase knowledge and strengthen professional capacities of regional key players in two cross border regions (Košice Region in Slovakia and Zakarpatska region of Ukraine) for development of cross-border cooperation, with emphasis on cross-border clusters and cluster initiatives.

In the first project year the training in regional development topics was carried out and analyses of two regions have been elaborated. During the third project year the publications were prepared. The portal on cluster initiatives support has been created.

<i>Project title:</i>	Cross-border Innovation Network for Technology transfer
<i>Acronym:</i>	CONTENT
<i>Contract Number:</i>	HUSKROUA/1101/194
<i>Supported by:</i>	ENPI Cross border project
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec, Iveta Korobaničová
<i>Duration:</i>	2013 – 2015

Project description:

The project was aimed to facilitate technology transfer in the Hungary-Slovakia-Romania-Ukraine cross-border region and ensure that the targeted partner Universities are in positions to offer new technologies which are on the changing needs of the cross-border regional enterprises. It enables to create the innovation cross-universities network at Hungarian, Slovak, Romanian, and Ukrainian partner Universities to establish an effective system for partnership with regional enterprises and start to transfer Universities technologies into the market. The training of the university staff in the area of technology transfer has been carried out altogether with dissemination conference and technology fair. The summer

schools enabled to increase knowledge on support of R&D and innovation processes.

9.2 National educational projects and Developmental activities

<i>Project Title:</i>	Package for Improvement and Innovation of Education at the Technical University of Košice
<i>Contract Number:</i>	ITMS 26110230070
<i>Supported by:</i>	ASFEU
<i>Faculty Coordinator:</i>	Vincent Šoltés
<i>Associated Faculty:</i>	Marianna Siničáková, Ľudmila Bartóková, Manuela Raisová, Júlia Ďurčová, Vladimír Gazda, Tomáš Želinský, Michal Šoltés, Michal Kočiš
<i>Duration:</i>	2013 – 2015

Project description:

The aim of the project at the Faculty of Economics was to enhance educational process in English and French language in cooperation with foreign partner universities, i.e. University of Huddersfield and University of Nice - Sophia Antipolis. The results of the project are e-learning textbooks and web-based e-learning courses in respective languages for the target student groups. The project enabled to finance two PhD students and to support quality of their research work.

<i>Project Title:</i>	Package of Supplements of the Next Reform in the Field of Education at the Technical University of Košice
<i>Contract Number:</i>	ITMS 26110230093
<i>Supported by:</i>	ASFEU
<i>Faculty Coordinator:</i>	Vincent Šoltés
<i>Associated Faculty:</i>	Marianna Siničáková, Radoslav Delina, Mojmír Pridavok, Beáta Gavurová, František Janke, Peter Džupka, Rajmund Mirdala, Daniela Petříková, Jozef Glova, Renáta Pitoňáková, Oto Hudec, Nataša Urbančíková, Veronika Ďuricová, Peter Burger, Iveta Korobaničová, Miriam Šebová, Jozef Bucko, Martin Vejačka, Anna Bánociová, Marián Gál, Radoslav

Bajus, Alena Andrejovská, Lucia Mihóková, Ján Buleca

Duration: 2013 – 2015

Project description:

The aim of the project at the Faculty of Economics was to innovate study materials using multimedia instruments, e-learning textbooks and web-based e-learning courses for the target student groups. Several study materials were prepared in English language, too. The project enabled to finance two PhD students and to support quality of their research work.

<i>Project Title:</i>	University Science Park TECHNICOM for Innovative Applications with the Support of Knowledge Technologies
<i>Contract Number:</i>	ITMS 26220220182
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Project Goal:</i>	Building Up University Science Park
<i>Duration:</i>	2013 - 2015

The Faculty of Economics is involved in two Technicom project Activities

Activity 1.3: Creation and Deployment of services for sustainable operation of University Science Park Technicom

Local coordinator at the FoE: Viliam Vajda

Associated Faculty: Peter Džupka, Jozef Glova, Veronika Ďuricová, Marcel Rešovský, Lucia Mihóková, Martina Prochádzková, Michaela Urbanovičová

Activity Description:

The Activity Aim on the Faculty level is to develop and create a system for supporting services in the business accelerator together with deployment and implementation of pilot application of Acceleration program.

Planned outputs:

- Development and implementation of a set of services provided by Technicom for business acceleration
- Creation of guidelines for pilot application of Acceleration program

- Pilot Activity – 10 participants/teams

Activity 4.3: Applied methods of financial and economic decision making in the area of investment activities

Local coordinator at the FoE: Peter Džupka

Associated Faculty: Viliam Vajda, Vladimír Gazda, Emília Jakubíková, Radoslav Bajus, Anna Bánociová, Denis Horváth, Lucia Mihóková, Alena Mojsejová, Rajmund Mirdala, Júlia Ďurčová, Ľudmila Bartóková, František Janke, Beáta Gavurová

Activity Description:

The Activity Aim on the Faculty level is to prepare methodology for financial decision making (market applicability) of new building construction solutions, renewable energy technologies and energy-efficient technologies, together with quantifying impact of socioeconomic factors on current and expected value of investment activities with the development of methodology for efficient data analysis through statistical procedures and development of models in the area of electronic network services for trust building in global supply chains and business platforms.

Planned outputs:

- Methodology for financial decision making in construction area
- Methodology for forecasting construction inputs value
- Models for trust building in electronic environment

Project Title: **Preparation and Realisation of the Distance Learning Bachelor and Master Courses in the area of Finance, Banking and Investment and Public Administration and Regional Development**

Project manager: Dana Paľová, Dana.Palova@tuke.sk

Project implementation period: May 2003 – August 2015

The project aim: Implementation and delivery of distance on-line bachelor and master courses at the Faculty of Economics.

Project milestones:

- Retraining of teaching and administrative staff interested in the project,

- Preparation of on-line courses content for bachelor and master study programmes, Finance, Banking and Investment, Public Administration and Regional Development
- Implementation and realization of blended learning (a combination of the face-to-face study supplemented with a distance education component) using LMS Moodle.

The outcome of the project is improvement of the quality of part-time study at the Faculty.

Project Title: **Management System for Quality, Efficiency and Economic Effectiveness at the Faculty of Economics (QMS-EkF)**

Project manager: Radoslav Bajus, Radoslav.Bajus@tuke.sk

Aims:

- Quality management system in line with ISO 9001:2008.
- Management of quality, efficiency and effectiveness according to the EFQM excellence model for universities.

Expected outcomes:

- Implementation of the Quality Management System in accordance with STN EN ISO 9001:2008.
- Self-evaluation and performance management based on the European Foundation for Quality Management – EFQM Excellence Model.
- To achieve Performance Competitiveness based on the Six Sigma model as used in the European Union.

Activities carried out in 2015:

- Internal re-certification audit provided by TUV NORD Slovakia, s.r.o.

Project Title: **Preparation and Delivery of the Mathematics and Foreign Languages Courses**

Project manager: Libuša Révészová, Libusa.Reveszova@tuke.sk

Project implementation period: October 2015 – April 2016

The aim of the project: Preparation and delivery of courses on Mathematics and Foreign Languages for applicants for the study at the Faculty of Economics.

Project milestones and timetable:

Milestone	Title	Start date	End date
1	Preparation of materials for the 1 st period of the courses, delivery of teaching, evaluating feedback from the 1 st period of the courses	October 2015	January 2016
2	Preparation of materials for the 2 nd period of the courses, delivery of teaching, evaluating feedback from 2 nd period of the courses	February 2016	April 2016

Expected outcomes:

1. Providing a good preparation for entry exams for applicants for the study at the Faculty of Economics.
2. Promotion of the Faculty of Economics.

10 COOPERATION

10.1 Cooperation within Slovakia

Along with successful international cooperation, the Faculty has developed good links with banking and financial institutions in the region as well as with other potential employers of its graduates. Their representatives are members of the Science Board of the Faculty and members of the final state examination committees; they contribute to the educational programmes and are involved in the Faculty's research activities. The Faculty of Economics is a trustworthy partner in further education and other services provided to the financial and business sectors, as well as to public administration and local government bodies.

During the year 2015 the Faculty cooperated for example with the following institutions in Slovakia – SLSP, a.s.; Tatrabanka, a.s.; VÚB banka, a.s.; IRB.sk, s.r.o.; NTS, s.r.o.; DDP Stabilita, a.s.; T-Systems Slovakia, Institute of Health Policies of the Ministry of Health in the Slovak Republic, National Health Information Center, The Office of the Government Plenipotentiary for Roma Communities, CRIF – Slovak Credit Bureau, s. r. o., Development Agency of Presov Self-governing region; Office of Kosice Self-governing region; Agency for the Support of Regional Development, Košice.

10.2 International Cooperation

The Faculty has been involved in extensive international cooperation, which logically has led to the preparation and implementation of several joint international projects.

The Faculty is involved in the Erasmus+ programme supporting student mobility among universities in the EU member countries. Within the ERASMUS+ Programme the Faculty has concluded bilateral agreements for student and teacher exchange with the following partner universities:

- University of Wuppertal, Germany
- University of Applied Sciences, Frankfurt am Main, Germany
- Berlin School of Economics and Law, Germany
- University of Nice – Sophia Antipolis, France
- University of Strasbourg, France
- University of Versailles Saint-Quentin-en-Yvelines, France

- Ecole de Management de Normandie, Le Havre, France
- Catholic University of Lille, France
- Graduate School of Engineering, ECE Paris, France
- University of Milan – Bicocca, Italy
- University of Calabria, Italy
- Link Campus University, Rome, Italy
- University of Castilla La Mancha, Spain
- University of Valencia, Spain
- Politechnical University of Cartagena, Spain
- Business and Economics School, Lisbon, Portugal
- Lusófona University, Lisbon, Portugal
- University of Pardubice, Czech Republic
- VSB – Technical University of Ostrava, Faculty of Economics, Ostrava, Czech Republic
- Karol Adamiecki Academy of Economics, Katowice, Poland
- Polonia University, Czestochowa, Poland
- University of Rzeszow, Poland
- University of Wroclaw, Poland
- College of Management, Wroclaw, Poland
- Selcuk Universitesi Konya, Turkey
- Yildirim Beyazit University, Ankara, Turkey
- Afyon Kocatepe University, Afyonkarahisar, Turkey
- University of Karabuk, Turkey
- Istanbul Teknik Universitesi, Turkey
- Turgut Özal University, Ankara, Turkey
- Petru Maior University of Targu Mures, Romania
- University of Oradea, Romania
- University of Maribor, Slovenia
- Karl-Franzens University, Graz, Austria
- Budapest Business School, Hungary
- Budapest University of Technology and Economics, Hungary
- University of Miskolc, Hungary
- Vilnius Gediminas Technical University, Lithuania
- Technical University of Riga, Latvia
- University of Tartu, Estonia
- Tsenov Academy of Economics, Bulgaria

The Faculty has also established good working contacts with:

- Corvinus University of Budapest, Hungary
- ERENET – Entrepreneurship Research and Educational Network of Central European Universities
- Central European University, Budapest, Hungary
- Rzeszów University of Technology, Poland
- Higher Vocational State School in Sanok, Poland
- AGH University of Science and Technology, Faculty of Management, Krakow, Poland
- University of Zagreb, Faculty of Organisation and Informatics, Varazdin, Croatia
- Huddersfield University Business School, United Kingdom
- Joanneum Research, Institute of Technology and Regional Policy, Austria
- The CARTIF Foundation – Applied Research and Technological Innovation Centre, Valladolid, Spain
- Faculty of Economics, Technical University of Liberec, Czech Republic
- Faculty of Economics and Administration, University of Pardubice, Czech Republic
- School of Business Administration in Karviná, Silesian University in Opava, Czech Republic
- Faculty of Management and Economy, Tomáš Baťa University in Zlin, Czech Republic
- Fraunhofer Institute, Germany
- empirica GmbH, Bonn, Germany
- Fachhochschule Frankfurt am Main, University of Applied Sciences, Germany
- Danish Technological Institute, Copenhagen, Denmark
- In-Jet, Denmark
- C-Net, Sweden
- North University of Baia Mare, Romania
- Petru Maior University, Tîrgu Mureş, Romania
- Faculty of Economics Subotica, University of Novi Sad, Serbia
- Institute of Economic Sciences, Belgrade, Serbia
- Khabarovsk State Academy of Economics and Law, Russia
- University of Toyama, Japan
- National Academy of Science – Institute of Regional Researches, Lviv, Ukraine
- Donetsk National University (Vinnitsa), Ukraine
- Ternopil National Economic University, Ukraine

During the academic year 2014/2015 63 of our students participated in the exchange visits (59 of them in Erasmus+ programme), one student participated at the two diploma programme at the Huddersfield University Business School, Great Britain and three students participated in other exchange programmes. Six students successfully accomplished their Bachelor two degree programme at the University of Nice Sophia Antipolis France. Mobilities from other EU countries to Slovakia also took place. 15 Erasmus students from Spain, Italy, France, Germany, Romania, Turkey, and Poland studied at our Faculty. In the same academic year, visiting teachers from the partner universities in the Germany, France, Czech Republic, Poland, Turkey, Romania, and Hungary gave lectures at the Faculty.

In the academic year 2015/2016 40 our students have already participated in exchange programme in winter semester and 18 students will participate in the summer semester.

Within two degree programmes, one student has been studying at the Coventry University, Great Britain and two students at the University of Nice Sophia Antipolis France in 2015/2016.

The Faculty continues the cooperation with the University of Nice Sophia Antipolis, France within two diplomas programme. French speaking students at our Faculty have the possibility to choose optional courses in French. In the third year of their studies, students have to enroll in the University of Nice Sophia Antipolis and study directly at this University for two semesters in order to receive a Bachelor degree from the University of Nice Sophia Antipolis. Up to now, 89 students have been awarded the Bachelor degree, 30 students Master 1 degree, 5 students Master 2 degree, and 2 students PhD degree.

The Ministry of Foreign Affairs of the Republic of France as well as the Embassy of the Republic of France in Slovakia, support the cooperation and student can receive attractive scholarships granted by the French government.

In 2015, similarly as in previous years, six students of the Faculty took part in internships in Wuppertal, Germany, the partner city of the Košice City. The internship took place in large German companies, e.g. Bayer, DuPont, Sparkasse, Rinke Treuhand, and Barmenia. The students had an excellent opportunity to improve their business skills at the workplace and to develop contacts for their future career. This internship was lead by Dr.h.c. Ernst-Andreas Ziegler, visiting lecturer at the Faculty of Economics and prof. Lambert T. Koch, rector at the University of Wuppertal.



Fig. 6: Students involved in the Double degree programme at the University of Nice (France)

10.3 Visitors to the Faculty

Within the framework of bilateral cooperation, the following representatives of partner institutions visited the Faculty of Economics in 2015:

- Ernst Andreas Ziegler, University of Wuppertal, Germany
- Petr Doucek, University of Economics, Prague, Czech Republic
- Renáta Nešporová, Business School Ostrava, Czech Republic
- Jiří Polách, Business School Ostrava, Czech Republic
- Lumír Kulháněk, VŠB - Technical University of Ostrava, Czech Republic
- Jitka Langhamrová, University of Economics, Prague, Czech Republic
- Tomáš Løster, University of Economics, Prague, Czech Republic
- Martin Kahanec, Central European University, Budapest, Hungary
- Patrick Musso, University of Nice Sophia Antipolis, France

- Marek Hlaváč, Harvard University, United States
- Hanna Sommer, Rzeszow University of Technology, Poland
- Justyna Stecko, Rzeszow University of Technology, Poland
- Grzegorz Michalski, Wroslaw University of Economics, Poland
- Andrzej Kryniczki, Polonia University, Czestochowa, Poland
- Liviu Ciucan-Rusu, Petru Maior University of Tirgu Mures, Romania
- Alessandro Figus, Campus Link University, Rome, Italy
- Nadia Cipullo, Campus Link University, Rome, Italy
- Erkan Demirbas, Turgut Özal University, Ankara, Turkey
- Osman Sahin, Turgut Özal University, Ankara, Turkey



Fig. 7: Visiting lecturer prof. Ziegler from University of Wuppertal (Germany) with students

10.4 Visits of the Faculty Staff to Foreign Institutions

Alena Andrejovská:

- VŠB - Technical University of Ostrava, Czech Republic

Anna Bánociová:

- VŠB - Technical University of Ostrava, Czech Republic

Ludmila Bartóková:

- L'Université Catholique de Lille, Lille, France

Ján Buleca:

- Vilnius Gediminas Technical University, Faculty of Business Management, Vilnius, Lithuania
- University of Versailles Saint-Quentin-en-Yvelines, France

Veronika Ďuricová:

- University Wuppertal, Germany

Radoslav Delina:

- European Commission, Brussels, Belgium
- NAR Marketing, Ostrava, Czech Republic
- University of Economics Prague, Prague, Czech Republic

Beáta Gavurová

- Faculty of Social and Economic Studies, Jan Evangelista Purkyně University in Ústí nad Labem
- Faculty of Informatics and Management, University of Hradec Králové
- Faculty of Economics and Administration, University of Pardubice
- The National Institute of Public Health, Praha

Ivana Gerhartová

- Berlin School of Economics and Law, Germany

Jozef Glova:

- The University of Koblenz and Landau, Koblenz, Germany
- Afyon Kocatepe University, Afyonkarahisar, Turkey

Marek Gróf:

- Afyon Kocatepe University, Afyonkarahisar, Turkey

Oto Hudec:

- Pardubice University, Czech Republic
- University of Applied Science, Vienna, Austria
- University of Maribor, Slovenia
- University of Stockholm, Sweden
- KSAEL, Chabarovsk, Russian Federation

Emília Jakubíková:

- University of Economics in Prague, Czech Republic

- Technical University of Liberec, Czech Republic
- Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic
- University of West Bohemia in Plzeň, Czech Republic

Lucia Mihóková:

- Faculty of Finance and Accounting, University of Economics in Prague, Czech Republic

Rajmund Mirdala:

- Universidad de Castilla-La Mancha, Spain
- University of Miskolc, Faculty of Economics, Hungary
- Czech National Bank, Czech republic
- Mendel University in Brno, Czech republic

Daniela Palaščáková:

- Ternopil National Economic University, Ternopil, Ukraine
- Poltava National Technical University, Poltava, Ukraine

Manuela Raisová:

- University of Lille, France Marcel Rešovský:
- School of Management, Le Havre, France
- University of Graz, Austria

Anna Ruščáková

- University of Graz, Austria

Jozefína Semančíková:

- Link Campus University, Rome, Italy

Marianna Siničáková:

- Link Campus University, Rome, Italy
- Polonia University, Czestochowa, Poland
- Budapest Business School, Hungary

Aneta Svrčeková:

- University of Milano Bicocca, Italy

Miriám Šebová:

- University of Calabria, Italy

Vincent Šoltés:

- Petru Maior University, Tirgu Mures, Romania

Michal Šoltés:

- Link Campus University, Rome, Italy
- Polonia University, Czestochowa, Poland
- University of Versailles Saint Quentin-en-Yveline, France
- Budapest Business School, Hungary

Veronika Šulíková:

- University of Nice Sophia Antipolis, France

- University of Bordeaux, France

Nataša Urbančíková:

- PIAP, Varsaw, Poland
- University of Oil and Gas, IvanoFrankivsk, Ukraine
- University of Miskolc, Hungary
- Turgut Özal University, Ankara, Turkey
- KSAEL, Chabarovsk, Russian federation
- TREBAG, Budapest
- University fo Applied Science, Vienna, Austria
- University of Maribor, Slovenia
- University fo Stockholm, Sweden

Viliam Vajda:

- European Commission, Brussels, Belgium
- Romanian Academy, Bucharest, Romania

Martin Vejačka:

- Croatian Society for Information and Communication Technology, Electronics and Microelectronics, Rijeka, Croatia

Tomáš Želinský

- The University of Melbourne, Melbourne, Australia
- Monash University, Melbourne, Australia
- University of Technology Sydney, Australia
- Tel Aviv University, Tel Aviv, Israel
- University of Heidelberg, Germany
- CERGE-EI (Center for Economic Research and Graduate Education - Economics Institute), Prague, Czech Republic
- Faculty of Social Sciences, Charles University in Prague, Czech Republic
- Faculty of Informatics and Statistics, University of Economics, Prague, Czech Republic
- Institute of Sociology of the Academy of Sciences of the Czech Republic

10.5 Membership in National and International Organisations, Boards and Committees

Anna Bánociová:

- Member of the Slovak Chamber of Tax Advisors
- Member of the Slovak Chamber of Auditors
- Member of the Slovak Chamber of Certified Accountants

- Judge in the Field of Economics and Business – Taxation

Jozef Bucko:

- Member of Union of Slovak Mathematicians and Physicists
- Member of Hereditarnia Club
- Member of the Programme Committee of IDIMT Conference

Ján Buleca:

- Member of the Association of Slovak Scientific and Technological Society
- Member of International Society for Engineering Education

Radoslav Delina:

- Financial expert of Ministry of Education for HORIZON2020
- Member of European RTD Evaluation Network (Ares(2013)437085-MS) under DG Research and Innovation of European Commission
- Member of H2020 MGA Working Group under DG Research and Innovation of European Commission
- Member of board of Logistics Centre Development Programme in Kosice selfgoverning region
- Member of General Assembly, Regional Slovak Chamber of Commerce and Industry in Kosice
- Member of expert group for Economy and Social Development Programme of Kosice city
- Member of expert group for Ministry of Education SR
- Member of Aladin University Network
- Member of the Programme Committee of IDIMT Conference
- Member of scientific board of several international scientific journals

Beáta Gavurová:

- Editor in chief in E+M Ekonomie a management journal,
- Member of the Scientific Committee ICIST - The 21st International Conference on Information and Software Technologies (ICIST 2015),
- Member of the Expert Group of the Office of the Government Plenipotentiary for Roma Communities,
- Member of The Slovak Association of Business Management (SAPRIA),
- Member of Slovak Statistical and Demographical Society (SSDS),
- Member of ESR – Education Science Research,
- Member of Slovak Public Health Association (SAVEZ),
- Member of editorial board “Information Technology Applications”,
- Member of editorial board “eXclusive e-JOURNAL”,
- Member of editorial board “MAD – Magazine of Aviation Development, Czech Technical University in Prague”,

Jozef Glova:

- Member and Assistant Professor of Robert Bosch Stiftung, Germany
- Member of Theodor Heuss-Kolleg, Germany

Oto Hudec:

- Vice-president of the Slovak section of the European Regional Science Association
- Regional Studies Association Representative for the Slovak Republic
- Member of the Editorial Board – European Urban and Regional Studies
- Member of the committee for PhD study at the University of Economics, Bratislava – Public Administration and Regional Development
- Member of the committee for PhD study at the Matej Bel University, Banská Bystrica – Public Economy and Services

Gabriela Koľveková

- Rosto Solidário, Portugal

Peter Kuzmišin:

- Member of the Editorial Board of the Journal of Regional Economy at the Institute of Regional Research of National Academy in Lviv, Ukraine

Erika Liptáková:

- Member of the Slovak Statistical and Demographical Society, Slovakia

Rajmund Mirdala:

- Member of the Editorial Advisory Board of the scientific journal - Journal of Applied Research in Finance/ (ISSN 2066-5482)
- Executive Editor of the scientific journal - Journal of Advanced Studies in Finance (ISSN 2068-8393)
- Member of the Editorial Board of the scientific journal - Journal of Reviews on Global Economics (ISSN 1929-7092)
- Member of the Editorial Board of the scientific journal - Advances in Management and Applied Economics (ISSN 1792-7552)
- Member of the Editorial Board of the scientific journal - Business & Entrepreneurship Journal (ISSN 2241-312X)
- Member of the Editorial Board of the scientific journal - Journal of Statistical and Econometric Methods (ISSN 2241-0376)
- Editor of the Economic Section of the scientific journal - International Journal of Human Sciences (ISSN 1303-5134)
- Associate Editor of the scientific journal - Journal of Research in Economics and International Finance (ISSN 2315-5671)
- Editor of the scientific journal - Journal of Finance and Accounting (ISSN 2333-8849)

- Member of the Editorial Advisory Board of the scientific journal - Journal of Advanced Research in Economics and International Business (ISSN 2344-3774)
- Member of the Editorial Board of the scientific journal - Research and Applications in Economics/ (ISSN 2332-3868)
- Member of the Editorial Board of the scientific journal - Economics
- Member of the Scientific Board of Association for Sustainable Education, Research and Science (ASERS) (Romania)
- Member of the Committee on the National Bank of Slovakia Governor Award for the best PhD. and Master Thesis
- Member of the Editorial Board of the scientific journal - Business & IT (ISSN 1805-3777)
- Member of the Editorial Board of the scientific journal - Journal of Applied Economic Sciences (ISSN 1843-6110)
- Member of the Editorial Board of the scientific journal - Journal of Economics (ISSN 0350-137X)
- Member of the Programme Board of the scientific journal - The Research Journal of Bielsko-Biala School of Finance and Law (ISSN 2084-1809)
- Member of the Editorial Board of the scientific journal - Eastern European Business and Economics Journal (ISSN 2256-0521)

Daniela Palaščáková:

- Member of the Editorial Board of the scientific journal - Scientific Horizon, Slovakia (ISSN 1337-9054).
- Member of the Editorial Board of the scientific journal - Economic and law paradigm of development of the modern society, Ukraine.

Ľudmila Pavliková

- Member of IGIP (International Society for Engineering Education)

Dana Paľová:

- Member of IGIP (International Society for Engineering Education)
- Member of Slovak Society for Business Informatics

Manuela Raisová:

- Member of IGIP (International Society for Engineering Education)
- Member of the Royal Economic Society

Libuša Révészová:

- Member of Union of Slovak Mathematicians and Physicists

Tomáš Sabol:

- Member of the Editorial Committee of the Journal of Theoretical and Applied Electronic Commerce Research

- Member of the Scientific Steering Committee of the “Information Society Developments in the New Member States and Candidate Countries” IPTS, European Commission, Seville, Spain

Marianna Siničáková:

- Member of the Editorial board, Journal of Women’s Entrepreneurship and Education, Serbia
- Member of the Editorial board, Journal of Economic Analysis, Serbia

Michal Šoltés:

- Member of the Editorial board, Creative Mathematics and Informatics, Romania
- Member of Editorial board, Acta Aerarii Publici, Slovakia
- Member of Conference Committee, Emerging Markets Queries in Finance and Business, Bucarest, Romania

Vincent Šoltés:

- Member of the Editorial board of the Journal of Theory, Methodology and Practice, Hungary
- Member of the Scientific board of the Journal of Economics and Management, the Czech Republic
- Member of Editorial board of the Carpathian Journal of Mathematics and Informatics, Romania
- Member of Editorial board of the Journal of Business Economics and Management, Lithuania
- Member of Editorial board of the Acta Montanistica Slovaca, Slovakia
- Member of Editorial board of the Economics And Informatics, Slovakia

Alena Tartaľová:

- Member of the Slovak Statistical and Demographical Society, Slovakia
- Member of Union of Slovak Mathematicians and Physicists

Nataša Urbančíková:

- Member of the Editorial board of Japan Social Innovation Journal

Tomáš Želinský:

- National representative to ECAS Board (European Courses in Advanced Statistics)
- Scientific Secretary of the Committee of the Slovak Statistical and Demographical Society, Slovakia
- Member of Global Development Network, India
- Member of R Foundation
- Member of American Economic Association, USA

11 HABILITATIONS AND INAUGURATIONS

Habilitation and Inauguration Procedures

The Faculty was awarded habilitation and inauguration rights, i.e. the right to award title of Associate professor and Full professor, respectively in 2012 by the Slovak Accreditation Committee. In 2015 the following habilitation and inauguration procedures took place:

Habilitation:

- **Kristína Kočíšová, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Methods of efficiency measurement in the banking sector. March 2015.
- **Peter Džupka, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Economic and Financial Evaluation of Culture in Slovakia. March 2015.

12 PHD STUDY

12.1 Internal PhD Students at the Faculty of Economics

In 2015 the following internal PhD students studied at the Faculty of Economics:

1. Beáta Csanková: The Possibility of Redistributing the Wealth in the World's Financial Architecture. Supervisor: Assoc. Prof. Iveta Pauhofová;
2. Jakub Danko: Macroeconomic Analysis of Financial Bonds in Dahlgren-Whitehead Health Determinants Model and its Modification in Terms of Marginalized and Segregated Communities in Slovakia. Supervisor: Prof. Vincent Šoltés;
3. Adriana Dúčová: Multidimensional assessment of financial performance of hospitals by experimental application of Balanced Scorecard. Supervisor: Assoc. Prof. Beata Gavurová;
4. Martin Dujčák: Model of Financial Literacy Management and Decision Support within Family Expenses. Supervisor: Assoc. Prof. Radoslav Delina;
5. Lucia Fabianová: Flexibility quantification in strategy decision making and investment projects evaluation. Supervisor: Prof. Tomáš Sabol;
6. Lukáš Kakalejčík: Digital Analysis and its Use in Application as the Part of Business Intelligence. Supervisor: Assoc. Prof. Jozef Bucko;
7. Martin Kameník: Internal Devaluation and Performance of Euro Zone. Supervisor: Assoc. Prof. Rajmund Mirdala;
8. Pavel Kisela: Selection Algorithm of Trading Strategies Based on Technical and Fundamental Analysis. Supervisor: Prof. Tomáš Sabol;
9. Štefan Kováč: External and Internal Factors in Spatial Distribution of Economic Activities. Supervisor: Assoc. Prof. Tomáš Želinský;
10. Michal Krajčík: Strategies on Hedge Fund Management. Supervisor: Assoc. Prof. Michal Šoltés;
11. Martin Kubačka: Market Networking Models. Supervisor: Assoc. Prof. Radoslav Delina;
12. Marek Lavčák: Institutional Factors of the Formation and Survival of Start-Ups and Spin-Offs. Supervisor: Prof. Oto Hudec;
13. Slavomíra Martinková: The Effect of Tax Licenses on the Amount of Income Tax Collected for the State Budget. Supervisor: Assoc. Prof. Anna Bánociová;

14. Silvia Mrázková: Business Valuation Focusing on the Identification of Intangible Assets. Supervisor: Assoc. Prof. Jozef Glova;
15. Bibiána Nováková: Proposal for the Quality of Life Measurement Models and their Application at Different Levels. Supervisor: Prof. Vincent Šoltés;
16. Janka Pálffyová: Innovation as a Determinant of Growth of Performance and Competitiveness of Companies. Supervisor: Assoc. Prof. Michal Šoltés;
17. Damián Pastor: Knowledge Management in Knowledge Economy, Valuation of Knowledge Assets. Supervisor: Prof. Tomáš Sabol;
18. Ivana Peržel'ová: Quantification of Morbidity and Mortality Regulation Possibility in Slovakia and their Impact of the Financing of the Health System in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
19. Lukáš Pinka: Construction of Health Metrics and Health Care for the Evaluation of Financial Performance in the Health System Supervisor: Prof. Vincent Šoltés;
20. Anna Ruščáková: Controversial Issues in Monetary Policy Supervisor: Assoc. Prof. Rajmund Mirdala;
21. Jozefína Semančíková: Cointegration of Exports and Imports and Macroeconomic Performance. Supervisor: Assoc. Prof. Rajmund Mirdala;
22. Nikola Šimková: Perspectives and Influence of Global E-markets on the Development and Status of SME. Supervisor: Assoc. Prof. Radoslav Delina;
23. Monika Šiserová: Resilience and vulnerability of regions. Supervisor: Prof. Oto Hudec;
24. Ivana Špirengová: Bank Finance and Competitive Ability of Economics. Supervisor: Assoc. Prof. Beáta Gavurová;
25. Ľubica Štiblárová: Business Cycles Synchronization in the Monetary Unions. Supervisor: Assoc. Prof. Marianna Siničáková;
26. Tomáš Štofa: Supervisor: Private Equity Investments – Future Scope in Slovak Republic and European Union. Assoc. Prof. Michal Šoltés;
27. Peter Tóth: Huff Model of the Spatial Allocation in the Graph Structures. Supervisor: Prof. Vladimír Gazda;
28. Tatiana Vagašová: Measuring the Effectiveness of the Health System in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
29. Martin Zoričák: Agent Based Model of the Tax Competition. Supervisor: Prof. Vladimír Gazda;
30. Martina Žudelová: Localisation Decisions from the Viewpoint of Behavioural Economics. Supervisor: Assoc. Prof. Tomáš Želinský;

31. Mhmed Omar Mohamad Abdulhafiz: Strategies of Liquid Assests Investment by Non-Profit Organizations. Supervisor: Assoc. Prof. Grzegorz Michalski
32. Abduljalil Salem Daw: The Impact Monetary and Exchange Rate Policies on Selected Central Banks in Macro-economic Indicators / History and present. Supervisor: Assoc. Prof. Václav Dufala;
33. Ahmidat Ahmed Khalil Masoud: Efficiency of Investment in Corporate Financial Liquidity. Supervisor: Assoc. Prof. Grzegorz Michalski.

12.2 External PhD Students at the Faculty of Economics

1. Abdhakim Mahfud: Financial Analyses by Using Financial Indicators. Supervisor: Prof. Vincent Šoltés;
2. Alghwezi Abdulah Rhomah: Comparing Real Estate in European Banking System and Eastern System Banking. Supervisor: Assoc. Prof. Václav Dufala;
3. Tatiana Baníková: Happiness, Economic Development and Innovations. Supervisor: Assoc. Prof. Radoslav Delina;
4. Benjreed Morad: Financing Commercial Banking through the ECB Operations. Supervisor: Assoc. Prof. Václav Dufala;
5. Ing. Patrik Bidovský: Economic Analysis and Measuring e-shops Effectiveness. Supervisor: Assoc. Prof. Jozef Bucko;
6. Radoslav Blahovec: Creative Economy and its Impact on Regional Competitiveness. Supervisor: Prof. Oto Hudec;
7. Marek Blizco: Brain drain and drain return: global processes and local strategies. Supervisor: Prof. Oto Hudec
8. Bisher Tarjam Ali: Labour Migration Patterns, Policies and Migration Propensity in the North African Countries. Supervisor: Assoc. Prof. Nataša Urbančíková;
9. Duško Bodroža: Municipal Bonds as a Local Government Financing Source. Supervisor: Prof. Hasan Hanić;
10. Radomír Čísař: Electronic Trading of Securities - Application of Technical Analysis. Supervisor: Assoc. Prof. Michal Šoltés;
11. Peter Dosedla: Effects of Labor Migration on Economic Development. Supervisor: Assoc. Prof. Silvia Ručinská;
12. Mihajlo Djukić: Specific Evaluation of Companies in the Developing Markets. Supervisor: Prof. Srdjan Redzepagić;

13. Lukáš Friga: Financial Behaviour of People from Marginalized Roma Communities. Supervisor: Prof. Vladimír Gazda;
14. Christian Hoffmeister: Stock Price Liquidity and the Influence on Market and Trading Strategies. Supervisor: Prof. Dr. Martin Užík;
15. Marek Horváth: Impact Assessment of Regional and Local Development. Supervisor: Assoc. Prof. Nataša Urbančíková;
16. Andrea Kralik: The Impact of Tax Evasion and Tax Avoidance on Government Deficit and the Public Dept. Supervisor: Prof. Marta Orviská;
17. Tim Langenstein: Determination of the Market- Implied Systematic Risk. Prof. Dr. Martin Užík;
18. Viktória Lukáčová: Macroeconomic analysis of the healthcare market in Slovakia. Supervisor: Assoc. Prof. Jozef Glova
19. Marián Šestina: Macroeconomic Aspects of Global Debt Crisis. Supervisor: Assoc. Prof. Rajmund Mirdala;
20. Sukker Abdalla Ahmed: The Impact of Foreign Trade on Economic Development of the Arab Petroleum Exporting Countries. Supervisor: Assoc. Prof. Radoslav Delina;
21. Lucia Tarhaničová: Economic Evaluation and Financing Initiatives of the Smart City. Supervisor: Assoc. Prof. Jozef Glova.

12.3 PhD Degrees Awarded in 2015

The following internal PhD students of the Faculty defended their PhD theses and were awarded PhD degree in 2015:

1. Monika Harčariková: Structured Products Suitable for Declining Financial Markets.
2. Jozef Heteš: Determinants of deposits of Nonfinancial Subjects in Financial Institutions.
3. Slávka Klasová: Regional Knowledge Bases and Innovation Systems.
4. Viliam Kováč: Economic and financial aspects of future telecommunications systems.
5. Eva Modráková: Analysis of the Impact of Changes in the Pension Saving System for Savers and for the State Pension Policy
6. Daniel Novota: Monetary Policy and Foreign Exchange Market at the Present.
7. Miroslava Packová: Bankruptcy Prediction Models.
8. Soňa Svocáková: New China Investment Strategies in World Financial Markets.

9. Aneta Svrčeková: Economic Aspects of International Capital Movements.
10. Veronika Zlaczká: Impact of the Government Debt on the Macroeconomic Development of the Slovak Republic.

The following External PhD students were awarded PhD degree in 2015:

1. Abdoulmola Razeg: Financial Analyses by Using Ratio Finance.
2. Pavol Baran: Outsourcing at Financing Capital Companies.
3. Mohamoud Omer: Global, National and Regional Aspects of Mobility of Investments.
4. Wafi Yousef: Evaluation of Investment in Information Technologies using Real Options Approach.



Fig. 8: PhD two diploma defence in cooperation with University of Nice (France)

13 OTHER ACTIVITIES

Scientific seminar at the Faculty of Economics

The scientific seminars regularly organized at the Faculty were aimed at:

- presentation of the Faculty staff research results;
- reading and discussion of prestigious articles published in topical research fields;
- lectures of invited specialists from Slovakia and abroad.

Invited experts held lectures on topical issues. Among others we can name Marek Hlaváč from Harvard University (United States) who presented his research on political economy and government. Martin Kahanec from Central European University in Budapest (Hungary) spoke about different aspects of labour market in the context of migration. Jitka Langhamrová and Tomáš Löster from the University of Economics in Prague (Czech Republic) presented their findings in current demographic and statistical phenomena.

Students' Life

Students can enjoy also sport and cultural activities. Some of them are involved also in the students' associations, which are active at the Faculty.

IAESTE (The International Association for the Exchange of Students for Technical Experience) is an international association which enables students to travel in over 85 member states around whole the world where they can have professional traineeships at universities or in companies. During the internship they can acquire language skills, professional expertise further they can know new country or culture and meet new people. In 2015, 41 foreign students from Thailand, Austria, Croatia, Panama, Germany, Poland, Turkey, United Kingdom, Spain, Japan, Finland, Mexico, Jordan, Norway etc. came to Slovakia. Furthermore 34 Slovak students took part of internship in specializations like IT, Computer Science, Electronic, Architecture, Management, Economy, Aeronautics in different countries as well.

IAESTE organizes the Project iKariéra Job Fairs. This Project organized at technical universities, allows students and representatives of company to establish contacts directly at universities. Here students can do an overview of jobs in the future and also to inquire directly with company representatives to offer and options.

Students involved: Tomáš Farkašovský, Michaela Knapíková, Andrea Gallíková, Alexandra Králová, Gabriela Hanečáková, Monika Smetanová, Beáta

Solárová, Martina Drenčáková, Maroš Košár, David Vaníček, Dávid Bajus, Ladislav Majirský, Jakub Mitro, Zuzana Sedláková.

Web side: www.iaeste.sk



Fig. 9: Master students at the summer internship in the U.S. Steel Košice

CEFE Herľany

In the context of the three objectives: Inspire, Inform, Activate, was the first International Scientific Conference with the title: Central European Conference in Finance and Economics - CEFE 2015 organized by the Faculty of Economics in September 30 - October 01, 2015 in Herľany. The main objective of the Conference was to provide to scientific workers, academics, practitioners and other professionals in finance, economics and regional science a place to present, analyse and discuss a broad spectrum of actual theoretical and practical issues, current trends, and future challenges affecting the process of countries' economic development within the European Union. The Conference CEFE 2015 was attended by 120 domestic and foreign participants from Czech Republic, Poland, Hungary, Italy and Germany. The conference first day, 2015 was opened by the Dean of the Faculty of Economics prof. Ing. Michal Šoltés, PhD who welcomed all conference participants. He was also the moderator of the plenary session, which was held in two blocks. Among the plenary major key speakers were: doc. Mgr. Grzegorz Michalski, PhD. (Poland), prof. Dr. Alessandro Figus (Italy), doc.

Vladimir Rogalewicz, PhD. (Czech Republic), prof. Dr. Martin Užík (Germany) and Mgr. Iveta Nagyová, PhD. (Slovakia).

Presentations of these speakers and guests have encouraged inspiring discussion on various issues that have been the subject of debate among the participants within the conference four individual topic sessions. In the afternoon plenary session on the same day key speakers: doc. Ing. Juraj Sipko, PhD., MBA (Slovakia) and Doc. Mgr. Martin Kahanec, PhD., M. A. (Hungary), dedicated their speeches to problems of global imbalances in the world and in the European Union and the height of the immigration crisis in Europe and its possible impact on the labor market.

During afternoon individual conference sessions, that were supervised by chairmans, all participants had the opportunity to present and discuss current issues in four thematic areas: economic problems and public finance, finance and investment, entrepreneurship and start-ups, as well as in special topic of this year's conference CEFE 2015 - Management of health care. Several conference participants used the opportunity to submit their contributions in the form of posters. Interesting enrichment of the conference afternoon negotiations (between 16:00 and 16:30) was the eruption of Herlian geyser, that drew all conference participants from their rooms to enjoy this unique natural phenomenon. For foreign participants was Herlian geyser eruption an unexpected and nice complement to the conference, which was memorized by group picture.

As a part of the CEFE 2015 conference a special competitive session called Young Scientists, which was intended for PhD candidates only. This session has promoted the exchange of knowledge, experiences and ideas for future research and discussions of the candidates' research results with experienced researchers at an international level. Three best contributions' presentations were awarded by a special financial benefit. The Committee chaired by doc. Ing. Thomas Zelinsky, PhD. consisted of five members. The three awarded contributions' authors were: Ing. Bibiana Nováková (Faculty of Economics TUKE) for second place. Ing. Tatiana Bielíková (Faculty of Economics UMB) and Ing. Janka Pálfyová (Faculty of Economics TUKE) both for the third places. First place was not awarded. The awarded contributions have been officially evaluated by the Dean of the faculty at the beginning of the social event of the conference.



Fig. 10: The best PhD students awarded for their scientific contributions at the Central European Conference on Finance and Economics organized by the Faculty

An integral part of the conference was a social event, which provided for the participants a space for relaxation and networking, as well as was an unforgettable experience thanks to the delicious catering and program, as well as to special joint performance of the Dean and the Čarnica folk group. Based on the feedback of domestic and foreign participants of the conference can be stated that the conference exceeded expectations and met their objectives: **inspired** in the design of new areas of scientific research, the development of active programs and strategies, in the implementation of scientific findings into practice, **informed** about current economic challenges, problems and possible solutions in the context of current trends testifying the current strategy of development of national economies and **activated** forms of scientific cooperation in connection with practice and innovation potential, that is necessary for increase of the EU competitiveness in the global competition. We believe that the next annual conference CEFE organized by the Faculty of Economics of TUKE will be at least as successful as the one in 2015.

14 FACULTY STAFF MEMBERS

Alena Andrejovská, PhD, Assistant Professor

PhD: Slovak University of Agriculture, Nitra, 2002. Dealing with the issue of quantification of costs, revenues and business results in business area from an accounting perspective. She cooperates with business sphere in accounting advice area. List of courses taught: Accounting I, Accounting II, Managerial Accounting and Accounting of financial institutions.

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Radoslav Bajus, PhD, Assistant Professor

Pursuing his PhD study at the Slovak Technical University in Trnava, in his PhD thesis he deals with financial analysis of corporate finances. He is a lecturer on re-qualification courses for public administration workers in the area of state treasury. The areas of research interest: SMEs, Business Economics, Stock Exchange and Market. List of subjects taught: Business Finance, Stock Exchange and Market.

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Anna Bánociová, PhD, Associate Professor

PhD: Technical University of Kosice, Faculty of Economics, 2006.

She deals with the taxation system and its influence on SME financing, and with information systems for financial analysis. She also supervises the “How to start a business” course, organized by the National Labour Office, the subjects Taxes, Accounting and Financial Company Management. She provides seminars for entrepreneurs’ preparation for the integration into the EU market. As a specialist in theory and practice, she is a member of various research committees (see also above). List of courses taught: Taxes and Taxation Systems, Auditing, Accounting.

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Ludmila Bartóková, PhD, Assistant Professor

PhD: Technical University of Kosice, Faculty of Economics, 2010.

Her research interests are in the area of monetary policy, balance of payments and external balance. She also teaches economic subjects in French language within the programme of two diploma in cooperation with the University of Nice in France. At present she participates in several national research projects. Courses taught: Microéconomie, Macroéconomie monétaire et financière, Macroéconomie

ouverte, Microeconomics, Macroeconomics, Economic Policy, Monetary Macro-analysis.

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His research interests are artificial intelligence, knowledge modelling, semantic web and e-government. At present he participates in several international research projects.

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Martina Bobriková, PhD, Assistant Professor

Her research interests are in the area of financial markets, financial derivatives, risk management, and investment. In this field she also defended her PhD thesis "*Hedging using barrier options*" at the Faculty of Economics, Technical University of Kosice in 2012. She is participating in several national research projects. List of courses taught: Financial markets, Financial derivatives, Financial engineering.

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Jozef Bucko, PhD, Associate Professor

The areas of his research interest include informatics, IS/IT technologies, e-banking, graph theory. He also interested in web technologies, graphical design and creation html pages, e-learning.

List of courses taught: Informatics I., Informatics II., Electronic Banking, Economical Information Systems, and Presentation Software and Graph Theory.

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Ján Buleca, PhD, Assistant Professor

His research interest is corporate finance and finance of households. Courses taught are Finance and Currency and Corporate Finance. He has experience in several scientific as well as educational projects.

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Peter Burger, PhD, Assistant Professor

PhD: Technical University of Kosice, Faculty of Economics, 2011.

The areas of his research interest include innovation, clusters, innovation and cluster policy, entrepreneurship and innovation, SME analysis, foreign direct investments, knowledge and technology, regional policy, regional development. He has participated in 5 international and 7 national research and education projects. List of courses taught: Innovation and Cluster Policy, Regional

Economics and Politics, EU Regional Policy, Urbanistics and Regional Planning and Management.

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Július Czap, PhD, Assistant Professor

His research interests are in the area of discrete mathematics – graph theory (graph colourings, graph properties). List of courses taught: Graph theory, Mathematics I, Mathematics II, Office information systems.

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Radoslav Delina, PhD, Associate Professor

Radoslav Delina is focusing his activities on the research in the field of Information Society and the information and communication technology (ICT) impact on different socio-economic domains, e-business (esp. e-procurement, eCollaboration, eSourcing, enterprise networking, e-services and trust building, ICT/Digital regions), data mining techniques in financial decision making, risk management, innovative learning methods etc. He participated and still participates on several EU (FP5,6,7) and national projects (VEGA, PHARE...). Together, he locally coordinates/d EU research projects (Seamless - FP6 IST STREP, DEN4DEK - FP7 CIP, KASSETTS - CE OP, eBEST - FP7 SME, LearnPath - LdV) and many national projects (financed under VEGA, APVV, KEGA, MVTŠ, development project under Ministry of Education) all in the field of electronic business management and Information Society. He is national expert and correspondent for eBusiness w@tch - the Initiative of European Commission and other initiatives as eWork, Construst, e-Skills For The 21st Century. He was/is a member of several international conference programme committees (IDIMT, IRMA, IBIMA, EC-Web, Collector IberoAmerica, BledConference, Planetary Scientific Research Centre) and reviewer in several international scientific journals, publication and initiatives. He is the member of editorial board of International Journal of Humanities and Applied Sciences. He is a project evaluator for national (esp. VEGA, KEGA, APVV science and education funding agencies) and Czech (esp. eHealth) and Kazakhstan (socio-economic aspects of ICT) funding programmes. He is the financial expert for Slovak Republic in Horizon2020. Representative of Slovak Republic in the European RTD Evaluation Network (Ares(2013)437085-MS) under DG Research and Innovation of European Commission. Representative of Slovak Republic in H2020 MGA Working Group under DG Research and Innovation of EC. He is the member of E-Business & E-commerce Steering Committee within ALADIN - ALpe ADria INitiative Universities' Network.

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Peter Džupka, PhD, Associate Professor

His areas of research interest include public funds effectiveness measuring, financial analysis of private and public investment projects, foreign direct investments, regional development, effectiveness of structural funds utilisation and economic evaluation of big sport and cultural events. He is also interested in project management and economic and financial analyses. Courses taught: Business Economics, Management, Strategic management and planning.

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Júlia Ďurčová, PhD, Assistant Professor

Her areas of research interest include the issues of currency and international business. Course taught: International business, International trade forms and Macroeconomics. She teaches also economic subjects in French language within the programme of two diploma in cooperation with the University of Nice in France.

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Veronika Ďuricová, PhD, Assistant Professor

Her research activities are focused on innovation in public sector and local and regional development. She is also interested in entrepreneurship and entrepreneurial ecosystem. Courses taught: Enterprise and Entrepreneurship, Management, Project management, Rural development, Regional Labour Market.

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Beáta Gavurová, PhD, MBA, Associate Professor

She graduated at the University of Economics in Bratislava. Currently she works as assoc. professor at the Faculty of Economics, Technical University of Kosice. In her research work she has focused primarily on measurement and management of performance and efficiency in hospitals, process optimization in healthcare, strategic and performance benchmarking, health policy, health-demographic analysis, addressing the regional disparities in the availability and quality of health care, qualitative analysis of the health behaviour of different groups of population in Slovakia. For the last five years she coordinated and participated in 13 significant international as well as national grant projects focused on the issue of implementation of ICT systems, the efficiency of health systems and the implementation of specific metrics of efficiency, optimization of processes in the health system, multidimensional analysis of one day surgery and so on. At present she is national coordinator of the Gesiti/Hospitals project Slovakia – Brazil (2013 – 2015) realized among FoE TUKE – Ministry of Health of the Slovak Republic – National Health Information Center and CTI GESITI/HOSPITALS. She teaches

and guarantees the subject Risk and Uncertainty in Finance, Volunteerism, Measurement and Management of Performance in Organisations, Economy and Management of Health Care System.

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Vladimír Gazda, PhD, Professor

His research interests are in the field of econometrics and various applications of operations research. He is also engaged in microeconomics, game theory and investments. Courses taught: Econometrics, Game Theory and Quantitative Microeconomics.

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Jozef Glova, PhD, Associate Professor

His research interest is Corporate Finance, specifically company and investment valuation. He is also interested in Business Process Modelling and Business Models. He is involved in several national and international research projects. Courses taught: Portfolio Analysis, Investment Project Evaluation, Business Valuation, Market Risk Management and Analysis..

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Marek Gróf, PhD, Assistant Professor

He acquired his PhD at the Technical University of Košice, in his PhD thesis he deals with variations of the investment game. His areas of research interest include: Game theory, Graph theory, Agent-based modelling, Econometrics.

List of subjects taught: Game theory, Accounting.

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Monika Harčariková, PhD, Assistant Professor

Her research interests are in the areas of financial markets, financial derivatives and structured products. Her research interests were presented in her PhD thesis (Structured products suitable for declining financial markets). She is participating in several national research projects. Courses taught: Accounting I, Financial markets, Financial derivatives.

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His research interests are artificial intelligence, knowledge modelling, semantic web and e-government. At present he participates in several international research projects.

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Lenka Hudáková Stašová, PhD, Assistant Professor

She deals with the problems of information systems for financial analysis with practical application in controlling, non-traditional methods of calculation and activity costing. She is a lecturer on re-qualification courses for public servants in the area of state treasury. List of courses taught: Accounting I, Accounting II, Managerial Accounting, Financial Control.

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Oto Hudec, PhD, Professor

He has broad experience of research in the area of regional science and location theory. His research focus includes also, creative industries, innovation systems and regional knowledge bases, forecasting, foresighting and strategic planning. List of courses taught: Regional Economics and Policy, Probability and Statistics, Statistical Methods in Public Administration, Statistical Methods in Finance.

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Emília Jakubíková, PhD, Associate Professor

Her research activity focuses on the solution of problems related to public finance, especially those of local municipality financing. She is a PhD supervisor and a study advisor at the Faculty of Economics. Subjects taught: Public Finance, Finance and Currency, Economic Policy, Financing of Non-profit Organisations.

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František Janke, PhD, Assistant Professor

In his recent research activities, he has focused on procurement (e-procurement, public procurement of innovations, pre-commercial procurement), electronic business platforms and socio-economic aspects of trust. He participated in several international projects and studies (FP7 eBEST, CEE OP KASSETTS and CENTRALAB, and MeAc Study for EC) and several national research and educational project (VEGA projects, TECHNICOM, etc.).

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Slávka Klasová, PhD, Assistant Professor

Areas of her research interest include knowledge bases, regional innovation systems, creative industries and regional growth. She obtained PhD. degree in the field of Public Administration and Regional Development in 2015. She has participated in several national and international projects. List of courses taught: Economic Analysis of a Firm, Management.

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Michal Kočíš, Researcher

His areas of research interest include new technologies in the field of computer techniques, networking, internet and communications.

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Kristína Kočíšová, PhD, Associate Professor

In her research work focuses on issues of banking, diagnostics competition, efficiency of banking sector, but also the efficiency of banks or bank branches in the national economy. The issue of effectiveness as a tool for increasing competitiveness has begun her third college degree. She teaches and guarantees the subjects: Banking, Central banking, Management of banking operations, Selected models and analysis in banking.

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Gabriela Kol'vecková, PhD, Assistant Professor

Research focus on regional economics, labour economics and models of public-private partnership has led her to participation in a number of national and international research projects. Thereupon she has authored or co-authored over 80 publications. In the course of the work at Technical University of Košice she has taught the following courses: Regional Economics, Microeconomics, Macroeconomics, World Economy, Quantitative Microeconomics and History of Economic Thoughts.

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Iveta Korobaničová, PhD, Assistant Professor

Areas of her research interest include organisational development and marketing. She is also interested in management, marketing research, and service marketing and e-learning. Courses taught: Management, Marketing, Marketing of Financial Services, Regional and City Marketing, Managerial Games, Programme and Project Preparation, Personal Management.

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Viliam Kováč, PhD, Researcher

His field of research includes agent-based modelling, econometrics and quantitative methods. He defended his PhD. thesis about cognitive radio networks – economics of modern telecommunication systems in 2015. He has participated in several national projects.

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Peter Kostelník, PhD, Researcher

His research interests are artificial intelligence, knowledge modelling, semantic technologies, pattern recognition, expert systems and heuristic search. At present he participates in several international research projects.

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Matúš Kubák, PhD, Assistant Professor

His research is focused on experimental economics. He is also concerned in quantitative methods application in economics. He is a research fellow in several scientific teams and the principal investigator in VEGA 1/0726/14 -Experimental research on proneness of economic agents toward corruption. Courses taught: Enterprise and Entrepreneurship.

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Peter Kuzmišin, DrSc, Associate Professor

His research interests are in the area of theory and practice of economics. He is also interested in competitiveness and quality of business environment in the regional, national and international context. He studies these research areas with respect to the development of economic theories and generalization of trends in the world economy, particularly in the European Union. Courses taught: World Economy, National Economy, History of Economic Thinking.

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Viera Kysel'ová, PhD, Assistant Professor

Areas of her research interest are insurance and risk management. In this field she is working on several national research projects. Courses taught: Actuarial Theory I and II.

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Erika Liptáková, PhD, Assistant Professor

She got her PhD degree (as an external PhD student) at the Faculty of Science, P. J. Šafárik University, Košice, 2010, in the field of didactics of mathematics. Her PhD thesis dealt with the teaching of statistics at universities focusing on the development of statistical reasoning. Her research interests are in the area of statistics, teaching statistics, multivariate statistical methods and teaching mathematics. List of courses taught: Probability and Statistics, Statistical Methods in Finance, and Mathematics I.

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Tomáš Malatínec, PhD, Assistant Professor

His PhD thesis was focused on efficiency of state administration in the field of trade licensing. His research activities are focused on efficiency and effectiveness of public administration. The area of his research includes public administration and governance at both national and European level and public law as well. Courses taught: Financial Law, European Administration and Management. E-mail: Tomas.Malatinec@tuke.sk

Lenka Maličková, PhD, Assistant Professor

Her research interest is public finance especially fiscal decentralisation. She participates in several projects. Courses taught: Finance and Currency, Public Finance, Financing territorial self-government units, Public Choice, Market, Organisation and Knowledge. E-mail: Lenka.Malicka@tuke.sk

Lucia Mihóková, PhD, Assistant Professor

Her research is focused on public finance and in particular on fiscal imbalance and its consolidation. Her research interests were presented in her PhD thesis (The Fiscal Impact of Economic Crisis in V4 Countries). She participates in national and international research projects. Courses taught: Finance and Currency, Public Finance, Tax and Taxation Systems. E-mail: Lucia.Mihokova@tuke.sk

Rajmund Mirdala, PhD, Associate Professor

His research interests are in the areas of financial integration, financial deepening, monetary policy, exchange rates, monetary integration, economic integration, fiscal policy, transition economies and global imbalances. He is a member of 14 editorial boards of foreign scientific journals and referee for 9 domestic and foreign scientific journals. He is a project evaluator for national (VEGA) and international (SAIA) funding programs. He has participated in 2 international projects and 9 national research projects. Courses taught (in Slovak and English languages): Monetary Macro-analysis, History of Money, Economic Policy, Microeconomic, and Macroeconomics. E-mail: Rajmund.Mirdala@tuke.sk

Alena Mojsejová, PhD, Assistant Professor

Her areas of research interest include statistics of extreme values, univariate and multivariate modelling of extreme events in non-life insurance, econometrics and financial mathematics. List of courses taught by her: Probability and Statistics, Statistical Methods, Mathematics I, Mathematics II. She also teaches subjects in

English within the Socrates/Erasmus programme. She participates in several national and international research projects.

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Ol'ga Nosál'ová, PhD, Assistant Professor

Her research interests are in the area of economy structure and integration processes. Courses taught: Macroeconomics, Economic Policy, World Economy, European Integration, and Master Degree Internship. At present she participates in several national research projects.

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Daniela Palaščáková, PhD, Assistant Professor

The areas of research interests include: theory and practice of economics, creation of quality management systems in the context of competitive. She is participating in several national research projects. Course taught: International Economic Relations, World Economy, Crisis Management, Political Science, Sociology, Business Ethics, System of Social Work.

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Dana Paľová, PhD, Assistant Professor

She is assistant professor at the Department of Applied Mathematics and Business Informatics and is responsible for education in subjects Informatics I, Informatics II, Applications for basic data processing. She is experienced in working and providing information using LMSs (eDoceo, Moodle, uLern), CMS (Joomla, Etomite, Drupal, WordPress). She acts as coordinator of distance learning at the Faculty of Economics of Košice. She achieved experiences in field of eLearning and ICT participating on the national and international level projects. Her areas of research interest include new technologies in field of e-learning, networking, internet and communications, information systems design. She is also interested in: invariant image recognition, invariant feature extraction and signal processing using transforms.

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Ludmila Pavliková, PhD, Assistant Professor

Her research interests are in the area of investments and pension systems. She is also interested in areas of banking and insurance. At present she participates in several national research projects. Courses taught: Portfolio Analysis, Investment Project Appraisal, Pension systems, Actuarial Science.

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Daniela Petříková, PhD, Assistant Professor

Her research interests are in the area of educational methods, regional development and consumer behaviour. She is also interested in socio-economic analysis, income policy and social policy. Courses taught: Macroeconomics, Economic Policy. At present she participates in several national research projects. She runs the students competition of ŠVOČ as coordinator.

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Renáta Pitoňáková, PhD, Professor

Key areas of her research interest cover Banking, International Trade and Investment, Competitiveness of firms, industries, countries, and Performance measuring. Currently she teaches graduate and doctoral study programmes in International Payment and Settlement, Banking Transactions and Services, and International Business.

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Jozef Porvazník, PhD, Assistant Professor

His main area of professional interest is the Commercial banking - especially commercial planning, sales and marketing, clients' evaluations - using many years of managerial experience in several local bank branches and the bank headquarters. In parallel, he has taught at several universities for over 30 years.

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Mojmír Prídavok, PhD, Researcher

His primary interests are supply chains, procurement of innovations, pre-commercial procurement, analytical and decision support tools, data mining and business process optimization. He has applied his skills in several international projects - eBEST – FP7; LeNS – EuropeAid, funded by European Commission; CentraLab proj. /incl. Financial management/ and IDEA proj., both implemented through Central Europe programme; Web2rism proj. founded by The Commission for Technology and Innovation CTI in Switzerland. He took part also in several national research projects VEGA. He participated in international studies as interviewer or national correspondent (EU eAccessibility Study, eSkills Study).

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Manuela Raisová, PhD, Assistant Professor

Her research and scientific publications are focused on fiscal policy and sovereign debt, business environment of the Slovak Republic and micro- and macro-economics. Courses taught: Microeconomics, Quantitative micro-economics, Macroeconomics, Introduction to Macroeconomics

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Libuša Révészová, PhD, Assistant Professor

Her areas of research interest include theory of teaching Informatics, mathematics, applications of informatics and mathematics in economy. List of courses taught: Mathematics I, Mathematics II, Informatics II., and Economic Information Systems.

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Tomáš Sabol, PhD, Professor

His research interests are in the areas of knowledge management and semantic technologies, e-government, socio-economic analysis of information and communication technology applications, Information society and Knowledge economy development. Courses taught: Valuation of Investment Projects and Project Management. Tomas has extensive experience participation in and in management of European R&D and educational projects. He also serves on editorial boards of journals, programme committees of international conferences, programme boards of international R&D programmes, acting as an evaluator and reviewer of EU projects for the European Commission etc.

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Štefan Samson, PhD, Professor Emeritus

His research interests are in the areas of regional economics, world economy and history of economic thinking. He is also interested in economic and social issues of the Slovak Republic and of the European Union. He is participating in several national research projects.

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Marianna Siničáková, PhD, Associate Professor

Her research interests are: monetary policy, international and public finance. She teaches also economic subjects in French language within the programme of double diploma in the cooperation with the University of Nice in France. Marianna is participating in several research and educational projects. List of courses taught: Finance and Currency, Public Finance, International Finance, Monetary and Financial Macroeconomics, Economics of Industry.

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Marek Skokan, PhD, Researcher

His research focuses on the fields of intelligent IoT based monitoring and controlling and composition of e-Government services employing semantic technologies. He participated in several EU research projects.

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Tatiana Soroková, PhD, Assistant Professor

Her research interests are in the areas of psychology of interpersonal relationships, psychology of social communication, stress, burn-out, frustration, deprivation and overcoming the “unbearable lightness of being” in life. She is also interested in presentation of psychological knowledge in the manner of socio-psychological practice that focuses on personality formation in top managers through psychological consultancy. Courses taught: Psychology of Social Communication, Psychology of Interpersonal Relationships, Efficient Communication and Overcoming Bottlenecks in the Teaching Process. At present she is participating in several national research projects. She is a member of the Association of Psychologists.

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Miriam Šebová, PhD, Assistant Professor

Her research interests include regional economics and policy, the public administration and creative economy. She is also interested in economic impact studies, evolutionary economics and culture led development of cities. She is participating in several research projects. Courses taught: Theory of Public Administration, Sustainable Development, Cultural policy and creative economics, Public Economics.

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Michal Šoltés, PhD, Associate Professor

His research is focused on financial investments, innovation management and financial derivatives. He is also interested in foreign direct investments and risk management. Courses taught: Actuarial Science, Financial Investments, Discussion Seminar.

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Vincent Šoltés, PhD, Professor

His research is in the areas of financial markets, financial derivatives, financial mathematics, and quantitative methods in economics, portfolio analysis and foreign direct investment. He is also interested in real and nominal convergence of economics in the Slovak Republic with the economies of EU countries. Courses taught: Financial Derivatives, Financial Markets, Financial Mathematics, Mathematics I.

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Peter Šugerek, PhD, Assistant Professor

PhD: Faculty of Science, P.J. Šafárik University in Košice, 2013. His research interests are in the area of discrete mathematics – graph theory (graph colourings, graph properties). List of courses taught: Informatics I, Informatics II, Mathematics I, Mathematics II, Presentation software.

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Veronika Šulíková, PhD, Assistant Professor

Her research interests are in the field of open macroeconomics, international economics and international finance. She is also interested in panel data econometrics and time series econometrics. Courses taught: International Finance, Finance and Currency, Introduction to Econometrics (in French), Econometrics.

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Andrea Tkáčová, PhD, Assistant Professor

Her research activities are focused on business cycle and its prediction with composite leading indicators. She is also interested in public finance and finance of municipalities. Courses taught: Public finance, Finance of municipalities.

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Radoslav Tušan, PhD, Assistant Professor

His research is focused on two directions: Economy and Finance of Environment and Accounting and Auditing International Standards. He is a lecturer on the re-qualification courses for the public administration workers from the area of state treasury. List of courses taught: Environment Finance, Auditing and Fiscal Consulting.

He also teaches subjects in English within the Erasmus programme.

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Nataša Urbančíková, PhD, Associate Professor

Areas of her research interest are regional science, human and social capital, marketing. She is also interested in project management. Courses taught: Marketing; Project Management; and Programme and Project preparation.

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Viliam Vajda, PhD, Assistant Professor

His research interests include business performance measuring, esp. in the field of e-commerce, e-business and e-commerce management. In the field of performance measuring of e-procurement projects he also finished his PhD thesis. His other interests are financial and investment analysis, trading and business model development. At present he is participating in several international and national research and educational projects, especially in the e-commerce and trading field (FP6, FP7, APVV, VEGA, KEGA, Leonardo da Vinci). He also participated in several European initiatives as eBusiness w@tch, eWork, ConsTrust, eSkills.

Courses taught: Technical Analysis, Forex, eBusiness.

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Martin Vejačka, PhD, Assistant Professor

The areas of his research interest include electronic banking and finance, e-banking security and web marketing. Another focus of his research is e-learning, IT technologies supporting economic activities and informatics. He participated in several national and international research projects. List of courses taught: Informatics I, Informatics II, Electronic Services in Banking, Economic Information Systems.

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Tomáš Želinský, PhD, Associate Professor

Tomáš Želinský teaches Demography, Spatial Economics and Econometrics. His research interests lie in the area of poverty measurement, behavioural economics (with the focus on economic behaviour of the poor) and application of statistical methods in economics. He has been a principal investigator on three research projects and a member of a number of research teams. He has served on several conference and workshop programme and organising committees. He is currently a scientific secretary of the Slovak Statistical and Demographic Society and the national representative to The Board of European Courses in Advanced Statistics. He has also served as a chair of The Academic Senate of The Faculty of Economics, Technical University of Kosice since 2015, and as a member since

2010. He was also a member of The Council for Higher Education of the Slovak Republic (2010 – 2015).

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Fig. 11: Faculty Sports Day for staff and PhD students

15 SELECTED PUBLICATIONS PUBLISHED IN 2015

15.1 Books and Chapters in Books

Investičné stratégie Číny v podmienkach krízy / Iveta Pauhofová, Soňa Svocáková - 1. vyd. - Bratislava : Ekonomický ústav SAV - 2015. - 135 s. - ISBN 978-80-7144-243-1. [PAUHOFOVÁ, Iveta - SVOCÁKOVÁ, Soňa]

Cluster Promotion and Management: The Current Global Situation / Peter Burger ... [et al.]. ASERS Publishing, Craiova, Romania. 2015. 336 p. ISBN: 978-606-8689-14-2.

[BURGER, Peter - BRAŠKOVÁ, Miriam - DUEOVÁ SPIŠÁKOVÁ, Emília - KLASOVÁ, Slávka - KOROBANIČOVÁ, Iveta - KOVÁČ, Viliam - PÁLFYOVÁ, Janka]

Súčasný stav financovania klastrov vo svete / Peter Burger ... [et al.]. 1. vyd. - Košice: Technická univerzita v Košiciach. 2015. 406 s. ISBN: 978-80-553-2200-1.

[BURGER, Peter - BRAŠKOVÁ, Miriam - DUEOVÁ SPIŠÁKOVÁ, Emília - KLASOVÁ, Slávka - KOROBANIČOVÁ, Iveta - KOVÁČ, Viliam - PÁLFYOVÁ, Janka]

Twin Deficits in European Transition Economies / Rajmund Mirdala. In: Neo-Transitional Economics : International Finance Review. - Bingley : Emerald Group Publishing Limited, 2015 Vol. 16 (2015), p. 299-333. - ISBN 978-1-78441-682-9 - ISSN 1569-3767 Spôsob prístupu: <http://www.emeraldinsight.com/doi/full/10.1108/S1569-376720150000016013>.

[MIRDALA, Rajmund]

Analysis of Five Policy Cases in the Field of Energy Policy / Dominik Bär ... [et al.] - 2015. In: Public Administration and Information Technology: Volume 10: Policy Practice and Digital Science : Integrating Complex Systems, Social Simulation and Public Administration in Policy Research. - Cham : Springer International Publishing, 2015 P. 355-378. - ISBN 978-3-319-12783-5

[BÄR, Dominik - WIMMER, Maria A. - GLOVA, Jozef - PAPAFAFEIROPOULOU, Anastasia - BROOKS, Laurence]

Kreativita založená na kultúre: regionálne rozdiely na Slovensku / Slávka Klasová, Oto Hudec - 2015. In: Kreativná ekonomika - národohospodárske a regionálne podmienky a stimuly. - Bratislava : Vydavateľstvo Ekonóm, 2015 S.

45-68. - ISBN 978-80-225-3954-8
[KLASOVÁ, Slávka - HUDEC, Oto]

Odvetvie marketingovej komunikácie ako súčasť kreatívneho priemyslu v Košickom samosprávnom kraji / Iveta Korobaničová, Peter Burger, Slávka Klasová - 2015. In: Kreatívna ekonomika - národohospodárske a regionálne podmienky a stimuly. - Bratislava : Vydavateľstvo Ekonóm, 2015 S. 167-191. - ISBN 978-80-225-3954-8
[KOROBANIČOVÁ, Iveta - BURGER, Peter - KLASOVÁ, Slávka]

Digitálne médiá a zábava v košickom regióne / Miriam Šebová, Peter Džupka, Radoslav Blahovec - 2015. In: Kreatívna ekonomika - národohospodárske a regionálne podmienky a stimuly. - Bratislava : Vydavateľstvo Ekonóm, 2015 S. 140-166. - ISBN 978-80-225-3954-8
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Riadenie nákladov na kvalitu / Patrycja Pudło, Beáta Gavurová - 1. vyd. - Košice : TU - 2015. - 111 s.. - ISBN 978-80-553-2023-6.
[PUDŁO, Patrycja - GAVUROVÁ, Beáta]

Účtovníctvo a dane podnikateľských subjektov / Anna Bánociová ... [et al.] - 1. vyd - Košice : TU - 2015. - 378 s.. - ISBN 978-80-553-2197-4.
[BÁNOCIOVÁ, Anna - ANDREJOVSKÁ, Alena - MIHÓKOVÁ, Lucia - GÁL, Marián]

Finančné deriváty - cvičebnica / Martina Bobriková - 1. vyd - Košice : TU - 2015. - 105 s.. - ISBN 978-80-8086-251-0.
[BOBRIKOVÁ, Martina]

Finančná analýza podniku / Daniela Petříková - 2015. In: Základy podnikateľských zručností pre neekonómov : Ekonomické a manažérske aspekty podnikania : 1. časť. - Košice : TU, 2015 s. 121-174. - ISBN 978-80-553-2318-3
[PETŘÍKOVÁ, Daniela]

Riziká v podnikaní / Daniela Petříková - 2015. In: Základy podnikateľských zručností pre neekonómov : Ekonomické a manažérske aspekty podnikania: 1. časť. - Košice : TU, 2015 S. 151-176. - ISBN 978-80-553-2318-3
[PETŘÍKOVÁ, Daniela]

15.2 Journal publications, Current Content

ICT and Innovation in the Provision of Public Services: The Case of Slovakia / Veronika Černáková - 2015. In: Information Technology for Development. Vol. 21, no. 3 (2015), p. 365-380. - ISSN 0268-1102 Spôsob prístupu: http://www.tandfonline.com/doi/full/10.1080/02681102.2014.886546#.U6kyXkD_SBI0.
[ĎURICOVÁ, Veronika]

l-facial Edge Colorings of Graphs / Borut Lužar ... [et al.] - 2015. In: Discrete Applied Mathematics. Vol. 181 (2015), p. 193-200. - ISSN 0166-218X Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0166218X14004260>.
[LUŽAR, Borut - MOCKOVČIAKOVÁ, Martina - SOTÁK, Roman - ŠKREKOVSKI, Riste - ŠUGEREK, Peter]

Nekonzistentnosť časových preferencií ľudí z arginalizovaných rómskych komunit / Tomáš Želinský - 2015. In: Politická ekonomie. No. 2 (2015), p. 204-222. - ISSN 0032-3233 Spôsob prístupu: <http://www.vse.cz/polek/cislo.php?cislo=2&rocnik=2015>.
[ŽELINSKÝ, Tomáš]

Generalized Fractional and Circular Total Colorings of Graphs / Arnfried Kemnitz ... [et al.] - 2015. In: Discussiones Mathematicae Graph Theory. Vol. 35, no. 3 (2015), p. 517-532. - ISSN 1234-3099
[KEMNITZ, Arnfried - MARANGIO, Massimiliano - MIHÓK, Peter - ORAVCOVÁ, Janka - SOTAK, Roman]

Facial Edge Ranking of Plane Graphs / Július Czap, Stanislav Jendroľ - 2015. In: Discrete Applied Mathematics. Vol. 194 (2015), p. 60-64. - ISSN 0166-218X Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0166218X15002346>.
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15.3 Scientific issues in journals registered in Web of Science or SCOPUS databases

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Analysis of Using Barrier Options to the Formation of New Structured Products / Vincent Šoltés, Monika Harčariková - 2015. In: Mediterranean Journal of Social Sciences. Vol. 6, no. 2 (2015), p. 303-311. - ISSN 2039-9340
Spôsob prístupu:

<http://www.mcser.org/journal/index.php/mjss/article/view/5811/5597>.

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Consumer Acceptance of Contactless Payments in Slovakia / Vejačka Martin - 2015. In: Journal of Applied Economic Sciences, Vol. 10, no. 5(2015), p. 760 - 767, (2015) - ISSN 2393 -5162

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Cluster Potential in Slovak Regions in the Context of Business Environment's Quality / Viera Kuzmišínová, Peter Kuzmišín - 2015. In: Theoretical and Empirical Researches in Urban Management. Vol. 10, no. 2 (2015), p. 52-65. - ISSN 2065- 3921 Spôsob prístupu: <http://www.um.ase.ro/no102/4.pdf>.

[KUZMIŠÍNOVÁ, Viera - KUZMIŠÍN, Peter]

Developments of VAT Rates in EU Countries in the Context of Harmonization and Fiscal Consolidation / Alena Andrejovská, Lucia Mihóková - 2015. In: Acta universitatis agriculturae et silviculturae Mendelianae brunensis. Vol. 63, no. 2 (2015), p. 487-498. - ISSN 1211-8516

[ANDREJOVSKÁ, Alena - MIHÓKOVÁ, Lucia]

Effectiveness of the monetary policy implementation in the context of crisis: use of the short-term interest rate in the Czech Republic and the EMU / Ľudmila Bartóková, Júlia Ďurčová - 2015. In: E+M Ekonomie a Management. Vol. 18, no. 1 (2015), p. 4-17. - ISSN 1212-3609 Spôsob prístupu:

http://www.ekonomie-management.cz/download/1426013183_8719/01_EFFECTIVENESS+OF+THE+MONETARY.pdf.

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Time Series Models and Cointegration in Stock Portfolio Selection / Jozef Glova - 2015. In: Journal of Applied Economic Sciences. Vol. 10, no. 2 (32) (2015), p. 169-175. - ISSN 2393-5162 Spôsob prístupu:

[http://cesmaa.eu/journals/jaes/files/JAES_spring_2\(32\).pdf](http://cesmaa.eu/journals/jaes/files/JAES_spring_2(32).pdf).

[GLOVA, Jozef]

Taxation of income of natural persons in selected EU countries / Radoslav

Bajus, Lenka Hudáková-Stašová, Marián Gál - 2015. In: Mediterranean Journal of Social Sciences. Vol. 6, no. 3 (2015), p. 77-85. - ISSN 2039-9340
[BAJUS, Radoslav - HUDÁKOVÁ STAŠOVÁ, Lenka - GÁL, Marián]

Economic and Psychological Aspects of Importance of Real Madrid Brand in Marketing Communication / Daniela Petříková, Tatiana Soroková - 2015. In: Mediterranean Journal of Social Sciences. Vol. 6, no. 3 (2015), p. 504-514. - ISSN 2039-9340 Spôsob prístupu: <http://www.mcser.org/journal/index.php/mjss/article/view/6286/6026>.
[PETŘÍKOVÁ, Daniela - SOROKOVÁ, Tatiana]

International migration of future graduates in Slovak Republic / Daniela Petříková, Tatiana Soroková - 2015. In: Actual Problems of Economics. No. 3 (165) (2015), p. 282-289. - ISSN 1993-6788
[PETŘÍKOVÁ, Daniela - SOROKOVÁ, Tatiana]

Significance of local taxes in income structure of Slovak municipalities / Marián Gál, Peter Tóth - 2015. In: Mediterranean Journal of Social Sciences. Vol. 6, no. 3 (2015), p. 544-552. - ISSN 2039-9340
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Commodity price risk management using option strategies / Martina Rusnáková - 2015. In: Agricultural Economics. Vol. 61, no. 4 (2015), p. 149-157. - ISSN 0139-570X Spôsob prístupu: www.agriculturejournals.cz.
[BOBRIKOVÁ, Martina]

A note on M2-edge colorings of graphs / Július Czup - 2015. In: Opuscula Mathematica. Vol. 35, no. 3 (2015), p. 287-291. - ISSN 1232-9274 Spôsob prístupu: http://www.opuscula.agh.edu.pl/vol35/3/art/opuscula_math_3519.pdf.
[CZAP, Július]

An Application of Graph Theory in the Process of Mutual Debt Compensation / Vladimír Gazda, Denis Horváth, Marcel Rešovský - 2015. In: Acta Polytechnica Hungarica. Vol. 12, no. 3 (2015), p. 7-24. Spôsob prístupu: http://uni-obuda.hu/journal/Gazda_Horvath_Resovsky_59.pdf.
[GAZDA, Vladimír - HORVÁTH, Denis - REŠOVSKÝ, Marcel]

Analysis of Using Options to the Express Certificates Formation / Monika Harčariková, Anna Bánociová - 2015. In: Economic Research-Ekonomika Istraživanja. Vol. 28, no. 1 (2015), p. 354-366. - ISSN 1331-677X

[HARČARIKOVÁ, Monika - BÁNOCIOVÁ, Anna]

Cost Management Using Activity-Based Costing Model / Lenka Hudáková Stašová, Radoslav Bajus - 2015. In: Actual Problems of Economics. Vol. 164, no. 2 (2015), p. 373-387. - ISSN 1993-6788

[HUDÁKOVÁ STAŠOVÁ, Lenka - BAJUS, Radoslav]

Industrial Indicators and Their Influence on the V4 Countries Business Cycle / Andrea Tkáčová, Marianna Siničáková, Andrea Kralik - 2015. In: Actual Problems of Economics. Vol. 164, no. 2 (2015), p. 169-178. - ISSN 1993-6788
Spôsob prístupu: www.eco-science.net.

[TKÁČOVÁ, Andrea - SINIČÁKOVÁ, Marianna - KRALIK, Andrea]

Innovation in Alternative Forms of Investments / M. Šoltés, L. Pinka - 2015. In: Polish Journal of Management Studies. Vol. 11, no. 1 (2015), p. 168-178. - ISSN 2081-7452 Spôsob prístupu:

<http://pjms.zim.pcz.pl/PDF/PJMS111/Innovation%20in%20Alternative%20Forms%20of%20Investments.pdf>.

[ŠOLTÉS, Michal - PINKA, Lukáš]

Modification of Performance Measurement System in the Intentions of Globalization Trends / Vincent Šoltés, Beáta Gavurová - 2015. In: Polish Journal of Management Studies. Vol. 11, no. 2 (2015), p. 160-170. - ISSN 2081-7452 Spôsob prístupu:

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[ŠOLTÉS, Vincent - GAVUROVÁ, Beáta]

On the Relationship between Financial Integration, Financial Liberalization and Macroeconomic Volatility / Rajmund Mirdala, Aneta Svrčeková, Jozefína Semančíková - 2015. In: Journal of Applied Economic Sciences. Vol. 10, no. 4 (2015), p. 552-570. - ISSN 1843-6110

[MIRDALA, Rajmund - SVRČEKOVÁ, Aneta - SEMANČÍKOVÁ, Jozefína]

Flexicurity Model and Its Application in the Slovak Republic / Pavol Baran, Adriana Ducova, Lukas Pinka - 2015. In: Journal of Applied Economic Sciences. Vol. 10, no. 1 (2015), p. 34-44. - ISSN 1843-6110

[BARAN, Pavol - DÚČOVÁ, Adriana - PINKA, Lukáš]

Quantitative Financial Analysis of Small and Medium Food Enterprise in a Developing Country / Ladislav Mura ... [et al.] - 2015. In: Transformations in Business and Economics. Vol. 14, no. 1 (34) (2015), p. 212-224. - ISSN 1648-4460 Spôsob prístupu: <http://www.transformations.khf.vu.lt/>.

[MURA, Ladislav - BULECA, Ján - HAJDUOVÁ, Zuzana - ANDREJKOVIČ, Marek]

The Dependency of E-Market Seller Reputation on Buyers Behaviour / Radovan Dráb, Lucia Mihóková, Oľga Kmeťová - 2015. In: Journal of Applied Economic Sciences. Vol. 10, no. 3 (2015), p. 397-408. - ISSN 1834-6110 Spôsob prístupu:

[http://cesmaa.eu/journals/jaes/files/JAES_summer%203\(33\)_online.pdf](http://cesmaa.eu/journals/jaes/files/JAES_summer%203(33)_online.pdf).

[DRÁB, Radovan - MIHÓKOVÁ, Lucia - KMEŤOVÁ, Oľga]

Mi-Edge Colorings of Complete Graphs / Július Czap, Peter Šugerek - 2015. In: Applied Mathematical Sciences. Vol. 9, no. 77 (2015), p. 3835-3842. - ISSN 1314-7552 Spôsob prístupu: <http://www.m-hikari.com/ams/ams-2015/ams-77-80-2015/p/czapAMS77-80-2015.pdf>.

[CZAP, Július - ŠUGEREK, Peter]

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[HUDÁKOVÁ STAŠOVÁ, Lenka - BAJUS, Radoslav]

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<http://link.springer.com/article/10.1007/s00373-014-1472-7>.

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http://www.ekonomie-management.cz/download/1441645360_a457/09_STOCK+MARKET+REACTIO_N+TO+ICT.pdf.

[JANKE, František - PACKOVÁ, Miroslava - PRÍDAVOK, Mojmir]

Tendencies toward Venal Behavior and Social Norm / Matúš Kubák, Radovan Bačík, Alexandra Antalíková - 2015. In: Journal of Applied Economic Sciences. Vol. 10, no. 4(34) (2015), p. 607-616. - ISSN 2393-5162 Spôsob prístupu: [http://www.cesmaa.eu/journals/jaes/files/JAES_summer%204\(34\)_online.pdf](http://www.cesmaa.eu/journals/jaes/files/JAES_summer%204(34)_online.pdf).
[KUBÁK, Matúš - BAČÍK, Radovan - ANTALÍKOVÁ, Alexandra]

Proposal of New Outperformance Certificates in Agricultural Market / Monika Harčariková - 2015. In: Agricultural Economics. Vol. 61, no. 9 (2015), p. 400-409. - ISSN 0139-570X Spôsob prístupu: <http://www.agriculturejournals.cz/publicFiles/162048.pdf>.
[HARČARIKOVÁ, Monika]

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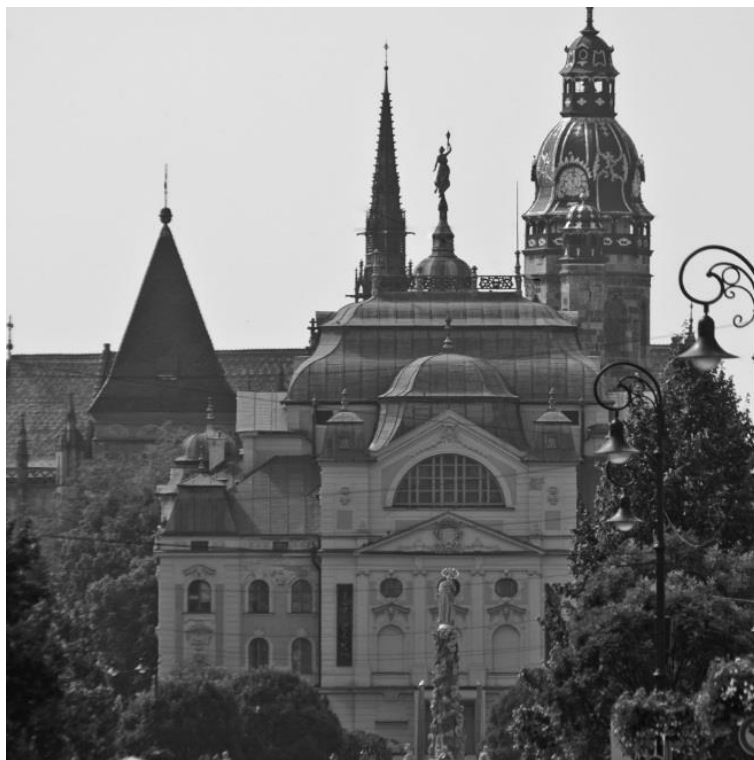


Fig. 12: St. Elisabeth Cathedral in Košice