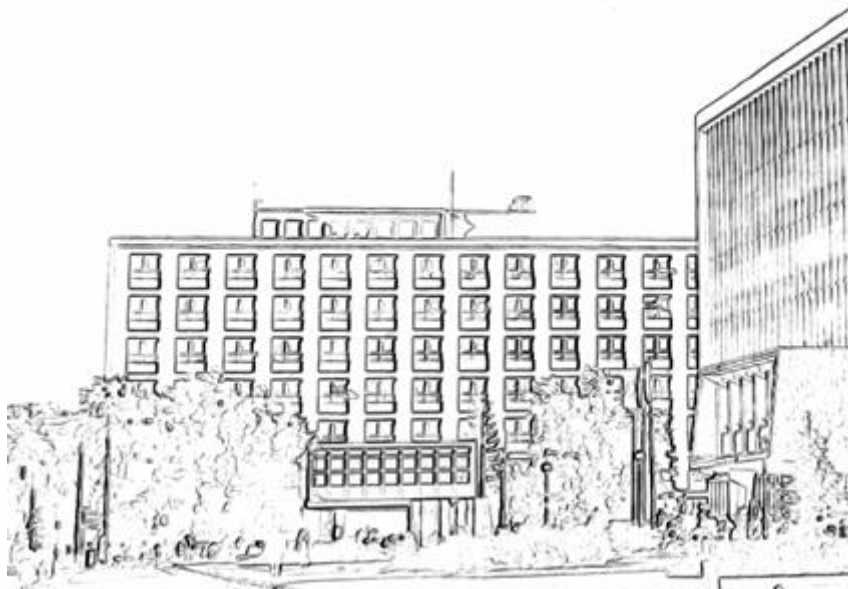


Technical University of Košice Faculty of Economics



ANNUAL REPORT 2013



Technical University of Košice

Faculty of Economics

ANNUAL REPORT
2013

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1 FOREWORD

This Annual Report provides an overview of research and other related activities at the Faculty of Economics of the Technical University in Košice during the calendar year 2013, which, we are proud to say, was another successful year in the Faculty history. 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. Included information on the PhD study, and titles of 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 2013 complete the picture of our research and educational activities.



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.

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 (ARRA, www.rra.sk). In 2013 the Faculty of Economics of the Technical University of Kosice again ranked first in the ranking produced by ARRA in the category of Faculties of Economics in the Slovak Republic.

If you are interested in cooperation with the Faculty or simply willing to provide some feedback on the activities mentioned in this Annual Report, please contact us.

Prof. Vincent Šoltés, PhD
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. Peter Kuzmišin, DrSc

E-mail: Peter.Kuzmisin@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: Assoc. prof. Emília Jakubíková, PhD

E-mail: Emilia.Jakubikova@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 and Enterprise and Entrepreneurship.

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 and Clusters. The Department participates also in several international educational projects mainly in the area of e-learning, distance learning, life-long education 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. debate club and e-club and organises regional discussion forums, which contribute significantly to better working relationship between academic, business, and public sector in the region.

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, 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, Rural Development, Demographics and Forecasting, Municipal Politics, Regional Analysis Methods, EU Regional Policy, Basics of Logic and Argumentation, Managerial Games.

Head of the Department: Assoc. prof. Nataša Urbančíková, PhD

E-mail: Natasa.Urbancikova@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 Banking.

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

E-mail: Jozef.Bucko@tuke.sk

5 RESEARCH PRIORITIES

The Faculty management has identified three 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.

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/>).

Fig. 3: Meeting of the Faculty Science Board



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>Title:</i>	Open Collaboration in Policy Modelling
<i>Acronym:</i>	OCOPOMO
<i>Contract Number:</i>	FP7-248128
<i>Supported by:</i>	European Commission, FP7, IST Programme
<i>Project type:</i>	STREP
<i>Coordinator:</i>	Marián Mach
<i>Associated Faculty:</i>	Tomáš Sabol, Peter Butka, Peter Bednár
<i>Duration:</i>	2010 – 2013
<i>Website:</i>	http://www.ocopomo.eu/

The main objectives:

OCOPOMO addressed two levels of scientific and technological advancements:

- 1) socio-political: to formulate, model, evaluate and monitor social and economic policies of governments, which are supported by
- 2) scientific and technological innovations: drawing together lessons and practical techniques from complexity science, agent based social simulation, foresight scenario analysis and advanced ICT for e-participation.

Project description:

OCOPOMO focused on the long-term strategic planning for governments and policy operators. Its objective is to develop and implement an integrated IT

toolbox for efficient policy development by integrating scenario generation and formal policy modelling, while supporting open collaboration through engagement of wide stakeholder groups. The target users of the OCOPOMO toolbox are on one hand policy analysts and policy operators and, on the other hand, special interest groups and to some extent the wider general public.

Hence, the traditional approach of top-down policy modelling is counterbalanced and expanded with:

- a) innovative ground-up participation in (narrative) scenario-building, and
- b) an iterative process of identifying the parameters and features of policy models from the narrative scenarios, designing and simulating the policy models (including outputs of formal scenarios) and refining them iteratively,
- c) open collaboration of policy analysts, policy operators and wider stakeholder groups (representatives of chambers, NGOs, companies, the general public etc.).

In 2013 an integrated prototype of the Ocopomo platform was tested in real operation within two pilot applications in two social and economic policy areas (Slovakia – policy on utilisation of renewable energy sources, Italy - management of EU Structural funds for local development policies) and one field test. The focus of this test iteration was on conceptual models, simulation, run and presentation of simulation results to stakeholders. The obtained feedback influenced finalisation of methodology for the Ocopomo policy development process as well as for the adoption of the developed platform within different application domains.

<i>Project title:</i>	Enabling business-based Internet of Things and Services – An Interoperability platform for a real-world populated Internet of Things domain
<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 – 2014
<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 2013, tools and models for semantic support of digital things management and semantic enhancement of event processing for the ebbits platform were developed. Preliminary business plans for the platform deployment in selected pilot domains, including legal background analysis were prepared.

<i>Title:</i>	Occupant Aware, Intelligent and Adaptive Enterprise
<i>Acronym:</i>	Adapt4EE
<i>Contract Number:</i>	FP7-ICT-2011-288150
<i>Supported by:</i>	European Commission, FP7, ICT systems for Energy Efficiency (ICT-2011.6.2)
<i>Project type:</i>	Specific Targeted Research Project
<i>Coordinator:</i>	Ján Hreňo
<i>Associated Faculty:</i>	Marek Skokan, Peter Bednár
<i>Duration:</i>	2011 – 2014
<i>Website:</i>	http://www.adapt4ee-project.eu/

Project objectives:

Adapt4EE aims at augmenting the contemporary architectural envelope by incorporating business and occupancy related information thus providing a holistic approach to the planning, design & evaluation of energy performance of construction products at an early design phase and prior to their realization.

Adapt4EE aims to deliver and validate a holistic energy performance framework that incorporates architectural metadata and environmental parameters (BIM), critical business models (BPM), treating occupants as the central reference point. The Adapt4EE framework, identifying and analyzing occupancy behaviour (presence and movement) will align energy consumption points to all interrelated enterprise aspects (business processes, enterprise assets and utility state and operations).

Adapt4EE will develop an enhanced semantic enterprise data model that treats, learns and manages the enterprise environment as an intelligent agent, perceives environmental state using multi-type sensors and information modalities. The Adapt4EE Enterprise model will incorporate business processes and occupancy data. It will also constitute a formal model for enterprise energy performance measuring, monitoring, simulation, prediction and optimization. The model will be calibrated during the training phase based on sensor data captured during operation and then applied and evaluated in real-life every day enterprise operations. More specifically the Adapt4EE Enterprise models will allow for the proactive identification of optimum local adaptations of enterprise utility operations, based on predictions of possible occupancy patterns and respective business operations and energy profiles.

Adapt4EE will provide a set of Open Business Reference models as well as respective methods and tools for modelling and simulating the real life operation of construction products, thus allowing for more accurate and realistic evaluation of the energy impact of alternative design and planning decisions.

In 2013 common information model of the Adapt4EE platform was proposed and software tools to store semantically enhanced data were developed. The developed software was deployed in a testing environment, and updated based on results of several tests including interaction with other SW parts of the Adapt4EE platform.

<i>Project title:</i>	Central European Living Lab for Territorial Innovation
<i>Acronym:</i>	Centralab
<i>Contract Number:</i>	3CE400P1
<i>Coordinator:</i>	Viliam Vajda / František Janke (since 07/2013)
<i>Associated Faculty:</i>	Radoslav Delina, Mojmír Prídavok, Miroslava Packová, Beáta Gavurová, Martin Kubačka, Martin Dujčák, Martina Lučkaničová,
<i>Duration:</i>	2011 – 2014

Project description:

CentraLab project aims to transform Central Europe into a broad-reaching laboratory for innovation, including the social and organisational as well as technological dimensions. CentraLab is based on a promising approach that has emerged in the arena of ICT under the name "Living Lab". Slovak pilot activities have focused on improvement of spend management of rural municipalities, primarily situated in Eastern Slovakia. To fulfil this goal, the pro-innovation procurement environment combining the innovative e-procurement tools with knowledge-sharing and communication tools, was developed. This ICT platform acts as a common space for different stakeholders in public procurement domain – mayors, buyers-professionals, procurement tools providers, researchers or policy-makers - to enhance innovations creation, dissemination of identified best-practices, and shaping of public procurement legislation.

<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>	Marian Mach

Associated Faculty: Marek Skokan, Peter Kostelnik, Tomáš Sabol
Duration: 2012 – 2015
Website: <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 2013 the main focus of the project was on creating a holistic view on the architecture of the Inertia platform, its building blocks, components and interdependencies among them. Activities have resulted in forming several architectural views (structural, development, deployment and behaviour). To support the architecture, several preliminary models have been produced (e.g. data model, occupancy and flow model, models of energy resources, etc.).

<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>	Jan Paralič
<i>Associated Faculty:</i>	Peter Bednár, Peter Koncz, Jozef Wágner, Tomáš Sabol, Marián Mach
<i>Duration:</i>	2012 – 2014
<i>Website:</i>	http://urban-sensing.eu/

Project description:

The project aims at bringing a new product to 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 will provide 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, targeting the needs of the involved SMEs, provide interaction with this maps and indexes.

In 2013 first prototype of the Urban Sensing platform was implemented and successfully tested within the first pilot application. It is a distributed architecture able to collect, filter, aggregate and visualise data coming from social media in order to produce novel information based on UGC.

<i>Project title:</i>	Local Public Sector Reforms: An International Comparison
<i>Contract Number:</i>	ISCH COST Action IS1207
<i>Supported by:</i>	European Commission, COST
<i>Local Coordinator:</i>	Daniel Klimovský (Management Committee Member)
<i>Duration:</i>	2013 – 2017

Website: http://www.cost.eu/domains_actions/isch/Actions/IS1207

In the current comparative research concerning public sector modernization, the local level of government is blatantly absent. Databases on local public sector reforms are fragmented, incomparable, incoherent, nationally scattered and confined in their methodological approach. This Action is intended to remedy those deficits. It will generate coherent data bases for systematic comparison with a view to streamlining analytical approaches and synthesizing research outcomes using methodological triangulation (qualitative/quantitative techniques). The Action will provide a platform for establishing a new set of comparative (descriptive, explanatory, and evaluative) knowledge on local public sector reforms and for integrating the fragmented research activities in this neglected area of investigation. It aims to enhance the scope of the conceptual foundations as well as the methodological rigour of comparative public administration. The Action will prepare the basis for a systematic evaluation of local public sector reforms within a European scale of comparison.

[Action](#) activities will yield policy relevant knowledge concerning local reform measures from a European perspective, which can then be utilized to improve policy making for future public sector modernization.

6.2 National R&D Projects

<i>Project title:</i>	Stock Market Reaction to IT Investments: Evidence from the Visegrád Countries
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/1042/12
<i>Coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Radoslav Delina, František Janke, Martina Lučkaničová, Tomáš Bálint, Czap Július, Miroslava Pačková
<i>Duration:</i>	2012 – 2013

Project description:

The main objective of this study is to examine stock markets reaction to Information Technology (IT) Investments in transition economies on examples of Visegrád countries.

Within project specific relations between stock prices on transition markets and IT related announcements will be identified and tested.

Understanding of these relations will have impact on companies' decision making and planning in the field of IT investments and the way how to communicate (announce) with potential investors for better access to capital. In the first project year, the conceptual model was proposed and relevant data for research was obtained.

Within last year of the project, the analysis of examined impact was realized by testing of formulated hypotheses. Our results were published in several high quality journals and one international conference.

<i>Project title:</i>	Monetary Rules and Their Importance in the Context of Monetary Union and Economic Crisis
<i>Contract Number:</i>	VEGA 1/0973/11
<i>Coordinator:</i>	Marianna Siničáková
<i>Associated Faculty:</i>	Rajmund Mirdala, Júlia Ďurčová, Ľudmila Bartóková, Viera Pavličková, Marcel Rešovský, Veronika Šulíková

Duration: 2011 – 2013

Project description:

Researchers explained importance of monetary rules in the context of monetary union and crisis. They quantified several types of monetary rules focused on Slovak economy and tested their compatibility with the common monetary policy setting within the euro area. According to research findings, common euro area interest rate seems to be relatively the most convenient for Slovakia comparing to other Visegrad countries. Outcomes were published in several indexed scientific journals, conference proceedings and summarised in international monograph.

<i>Project title:</i>	Spatial Distribution of Poverty in the European Union
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0127/11
<i>Coordinator:</i>	Tomáš Želinský
<i>Associated Faculty:</i>	Veronika Černáková, Oto Hudec, Daniela Petříková, Tatiana Soroková, Alena Tartařová
<i>Duration:</i>	2011 – 2014

Project description:

Poverty can be considered as a serious socio-economic problem of developing as well as developed countries. Also European Commission recognizes the problem and the year 2010 were designated to the Year for Combating Poverty. Several studies point to the triangle of mutual relationship among poverty, inequality and incomes growth. Although the importance of spatial considerations in economics increased in the recent years, the majority of studies and analyses of poverty and inequality takes the spatial dimensions of poverty and inequality into account only at a very limited extent. The aim of the project is to identify the arrangements of spatial patterns of poverty and inequality and to assess the level of their concentration in the EU using the tools of spatial statistics and econometrics. Based on the obtained results, it will be possible to create the model of spatial distribution of poverty and inequality in the EU and to identify areas of the EU at the highest risk of poverty (in its various forms). Several analyses at national and regional level have been performed, and the preliminary results have been published at national and international conferences. The performed analyses focus on monetary poverty, subjective poverty perception, and asset poverty.

<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, Simona Šimková
<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.

<i>Project title:</i>	Strategic Interactions of Local Governments in the SR in Tax – setting
<i>Contract Number:</i>	VEGA 1/1195/12
<i>Coordinator:</i>	Lenka Maličková
<i>Associated Faculty:</i>	Vladimír Gazda, Vincent Šoltés, Emília Jakubíková, Marianna Siničáková, Marián Gál, Marcel Rešovský, Lucia Mihóková, Marko Lalić, Zuzana Gordiaková, Anna Petrušková, Katarína Rimegová, Peter Čisárik, Jana Horváthová
<i>Duration:</i>	2012 – 2014

Project description:

Local government decision-making in tax setting can appear as strategic behaviour known as „tax mimicking“ that can be presented in two ways; 1, as tax competition which targets to attract mobile tax base decreasing tax rates which leads to under provision of local public goods; 2, yardstick competition, with information asymmetry between political incumbent and its voters. Voters to evaluate politicians' activity just compare tax rates in neighbouring localities with those in the locality they live without considering real costs of provided public goods. Politicians strive to be re-elected; consequently, they mimic tax rates of neighbour localities. Foreign literature confirms, that tax mimicking influences local tax policy and leads to ineffectiveness in the public goods provision. Does the tax mimicking exist among local governments also in the SR? The main scientific goal of the project is to enrich economic theory by solving the local government strategic behaviour in the tax – setting decisions – making and to formulate some practical recommendations in the SR.

<i>Project title:</i>	Inter-communal Cooperation as a Policy Instrument for Elimination of Shortages Associated with Highly Fragmented Municipal Structure in the Conditions of Banská Bystrica, Košice and Prešov Regions
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0622/12
<i>Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šebová
<i>Duration:</i>	2012 – 2014

Project description:

Slovak municipal (settlement) structure can be described as highly fragmented and according OECD methodology approximately 90 per cent of all Slovak municipalities are settlements of rural character. Project systematically deals with inter-communal cooperation which might be considered an instrument for elimination of shortages linked to high level of territorial fragmentation in three selected Slovak regions.

Project is aimed at different forms of inter-communal cooperation which are established in the Banská Bystrica, Košice and Prešov Regions. Basically, the project involves four research goals: 1) identification and mapping of forms of inter-communal cooperation; 2) description and classification of identified forms in terms of selected quantitative and qualitative indicators; 3) finding how these

political instruments eliminate shortages associated with high territorial and administrative fragmentation; 4) elaboration of prognosis of further development of inter-communal cooperation activities in the selected regions.

In 2013 several analytical activities were developed, both comparative and individual. Concerning comparative analyses, the Slovak conditions were compared for instance with the conditions in the Czech Republic, Slovenia, Lithuania.

<i>Project title:</i>	Security Models of Distributed Systems Providing Electronic Services.
<i>Contract Number:</i>	VEGA 1/0945/12
<i>Coordinator:</i>	Jozef Bucko
<i>Associated Faculty:</i>	Vladimír Gazda, Martin Vejačka, Július Czap, Tomáš Bálint
<i>Duration:</i>	2012 – 2013

Project description:

The project is focused on analysis of security models for distributed systems which provide electronic services. The main goal of the project is to design security models for distributed systems and, based on these models, to propose methodology for comparison of security levels for analysed systems. In the design process tools based on graph theory will be used for evaluation of the security level of provided electronic services. A part of the project is also research in the field of the impact of security on trust establishment in the use of distributed systems which provide electronic services. From topology point of view, there have been classified models of dissemination of trust in electronic services provided in distributed systems. There were designed parameters, which can be considered as relevant to build confidence in these systems. Based on these parameters, there have been proposed methods and indicators for quantitative measurement of security in distributed systems providing electronic services from the perspective of security technology. The main factors affecting confidence in the investigated systems include the use of electronic identity and efficiently verify the authenticity of identity. By method based on agent-based models were created models and lifecycle simulations of behavior of actors (the agents in the interaction between corporate credit relationships and credit relationships between firms and banks).

<i>Project title:</i>	Creative Economy - Economic and Regional Conditions and Incentives (KRENAR)
<i>Supported by:</i>	APVV
<i>Local coordinator:</i>	Oto Hudec
<i>Associated faculty:</i>	Peter Džupka, Peter Burger, Miriam Šebová, Iveta Korobaničová, Slávka Klasová, Radoslav Blahovec
<i>Duration:</i>	2011 - 2013

Creative economy is a new conceptual approach bringing a deeper and sophisticated view on explaining the issue of innovation creation and consequently on factors of economic growth at national and regional level. Our research will stretch the boundaries of knowledge on national and regional aspects of creativity impact on economic growth. The verification of the hypothesis linking creativity and regional economic growth can create opportunities for scientific discussion regarding the possible impact of creativity and creative industries on the economy of Slovak regions. Activities of the project will be grouped into work packages (WP) that explore the issue from different perspectives:

WP1: Theoretical background.

WP2: Methodological approaches to the examination of creative economy.

The main goal is to examine the economic and regional aspects of the creative economy, focusing on the role of creativity in economic growth of Slovakia. The main objective will be achieved by fulfillment of two specific objectives:

1. Analyze theoretical backgrounds of creative economy and its economic and regional dimensions.
2. Comprehensively analyze the importance of creativity as a source of economic growth.
3. Define recommendations for stimulating creative activities of businesses. In the year 2013, each of the universities realised a survey in two selected industries, in four Slovak regions. Košice region is represented by two creative industries - the digital media and entertainment and marketing communication.

<i>Project title:</i>	Proposal of the Performance Measurement System in the Medical Institutions in the Slovak Republic and Implementation of the Performance Metrics.
<i>Supported by:</i>	Slovak Ministry of Education

Contract Number: 1/1050/12
Coordinator: Beata Gavurová
Associated Faculty: Jozef Glova, Radoslav Delina, František Janke, Viera Pavličková, Michaela Urbanovičová, Miroslav Szpyrc
Duration: 2012 – 2013

Project description:

The main objective of the project is the proposal of the performance measurement system in the medical institutions (MI) in the Slovak Republic and the implementation of the performance metrics. The project is wholly oriented toward the hospitals, as they represent an important part of the developed countries' infrastructure. The achievement of the project goal will contribute to the solution of the basic measurement system dysfunctions in the MI in SR. The emphasis is on the possibility to assess the MI and the possibility to influence provided health care quality from a patient's point of view, which is supposed to be realised by the interconnected system of the performance indicators and the employee incentive system. The proposed performance measurement system of the MI will be based on the measurement objectivity and the evaluation of the measurement results by the implementation of strategically important and standardisable performance indicators on the platform of BSC principles.

Project title: **Performance and Efficiency Measurement in Health Care Institutions in Slovakia**
Supported by: Slovak Ministry of Education
Contract Number: VEGA 1/0799/13
Coordinator: Jozef Glova
Associated Faculty: Beáta Gavurová, Ľudmila Pavliková, Martina Rusnáková, Michaela Urbanovičová, Zuzana Gordiaková
Duration: 2013 – 2014

Project description:

Availability of relevant, accurate and timely performance and efficiency information is essential for assuring and improving the performance of health system. Citizens, patients, governments, politicians, policy makers, and managers of health care institutions all need such information in order to assess whether health systems are operating well or where there is scope of improvement. Without this information there is no evidence with which to design health system, no means of identifying good or bad practice and no case

for investing in the health system. In regard to these facts the main objective of the project is the proposal of the methodology for efficiency evaluation within health care institutions and so improving the knowledge about the state of the health system.

<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, Jana Šáriková, 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.

<i>Project title:</i>	Influence of Economic Crisis on Members States of Economic and Monetary Union from the Point of View of Optimal Monetary Union Theory
<i>Contract Number:</i>	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.
<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, Denis Horváth, Ivana Hvižd'áková, Martina Prochádzková, Radoslav Blahovec
<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>Contract Number:</i>	1/0795/13

Coordinator: Viliam Vajda
Associated Faculty: Renáta Vokorokosová, Mojmir Prídavok, Michaela Urbanovičová, Marek Gróf, Miroslav Szpyrc, Viera Kyseľová
Duration: 2013-2015

Project description:

The purpose 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.

6.3 Project proposals submitted and accepted for funding

During the year 2013 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 2014:

Project title: **Economics of complexity with impact on non-standard methodology application**
Contract Number: VEGA 1/0168/14
Coordinator: Denis Horváth
Associated Faculty: Vladimír Gazda, Marianna Siničáková, Viliam Kováč
Duration: 2014 – 2015

6.4 Research Activities of Students

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

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Winners of the Faculty round of ŠVOČ in 2013:

- 1st place: Dávid Mantič - Analysis of innovative forms of financing start-up companies;
- 2nd place: Matej Fesič - External and internal imbalances in selected European countries;
- 3rd place: Mária Franková - Financial Planning and its importance for individuals;

Two students participated in similar competitions of students' research works organized by universities or faculties in the Slovak republic with the following results:

- 2nd place Bc. Petronela Bodnárová - 19th volume of the students' research works competition organized by Faculty of Economics, University of Batej Bel in Banska Bystrica - Section of Finance, Banking and Investments, thesis: Household savings in OECD countries and Slovakia;
- 3rd place Peter Tomko - 19th volume of the students' research works competition organized by Faculty of Economics, University of Batej Bel in Banska Bystrica - Section of Quantitative methods and informatics, thesis: Recurrent imaging and cluster analysis as an alternative to the analysis of time series.

Three students of the Faculty participated in the national scientific seminar "Computational Statistics 2013" organised by the Slovak Statistical and Demographic Society in cooperation with the Club Dispersus in Bratislava on December 5, 2013. The second place was won by the faculty student, presenting the paper: Analysis of predictability of markets indices using k -nearest neighbour method: Analysis of selected market indices.

7 STUDY PROGRAMMES

The Faculty of Economics offers accredited study programmes in the field of Finance, Banking and Investment and Public Administration and Regional Development. 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.

Public Administration and Regional Development: 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 Public Administration and Regional Development. PhD study programme has been also offered in the scientific branch Public Administration and Regional Development since 2011 year.

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 2012/2013 835 full-time and 217 part-time bachelor- and master-level students and 34 internal and 26 external PhD students study at 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 (216 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 Projects

<i>Project Title:</i>	Cross Border Training of Economics Experts in Distance Learning Network
<i>Acronym:</i>	CROSSEDU
<i>Supported by:</i>	HUSK Programme
<i>Contract Number:</i>	HUSK/1101/1.6.1-0300
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec, Peter Džupka, Iveta Korobaničová, Peter Burger, Veronika Černáková, Michal Šoltés, Manuela Raisová, Daniela Palaščáková, Helena Šimková, Radoslav Bajus, Anna Bánociová
<i>Duration:</i>	2012 – 2013

Project description:

The project aimed to human resource development and economical competitiveness increasing in the less developed micro regions in cross border area of SK and HU. In order to create the integrated labour market it is necessary to enhance flexible offer of labour force for companies and public administration projects. It will enable better to plan, organise, and build the network of skills experts. They courses developed within the project will enable them to be educated by distance learning methodology. The courses deals with three main areas: Regional and local development, European entrepreneurship and Management.

<i>Title:</i>	Building a global multidisciplinary digital governance and policy modelling research and practice community
<i>Acronym:</i>	eGovPoliNet
<i>Contract Number:</i>	FP7-288136
<i>Supported by:</i>	European Commission, FP7
<i>Project type:</i>	CSA
<i>Coordinator:</i>	Jozef Glova
<i>Associated Faculty:</i>	Tomáš Sabol
<i>Duration:</i>	2011 – 2014

Website: <http://www.policy-project.eu/>

The main objectives:

The project has 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

Project description:

The project sets up an international community in ICT solutions for governance and policy modelling. The community will share and advance 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 will be investigated and collected in a knowledge base. Functions of the project towards community building, RTD monitoring and comparative analysis will be conducted in an internet-based participatory manner. Regular webinars took place in 2013 and Community building supported by a community portal for knowledge sharing, collaboration, and dissemination, started. The project covers axes of technology, participative processes, governance, policy modelling, social simulation and visualisation.

In 2013 community and constituency building activities progressed, and significantly Knowledge Base development, especially in the form of the Glossary items development and comparative analysis was done.

<i>Project title:</i>	Quality Assurance for Society-oriented Education, Research and Development
<i>Acronym:</i>	QASERD
<i>Contract Number:</i>	HUSKROUA/0901/062
<i>Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec
<i>Duration:</i>	2011 – 2013

Project description:

The overall objective of the project was to maintain a society oriented life-long education and research and development through establishment of network for excellence in quality among educational and research institutions. This

contributed to equal opportunities, sustainable development and territorial cohesion between Ukraine and Slovak Republic. The Action helped to reorganize management systems by ensuring centralized, structured and properly recorded management, record keeping and other necessary procedures.

Specific objectives were:

- Obtaining best practice of quality assurance at higher education and research establishments, which ensured close collaboration in such spheres as education, science and management.
- Introduction quality management system at higher education and research establishments. Training of staff of higher education and research establishments about quality management system and quality assurance at higher education and research has been carried out;
- Establishment of an open cross-border network of excellence in quality for educational and research institutions. It enhanced quality assurance of partnership institutions in the Ukrainian region and promoted cooperation between similar bodies in other regional and international organisations.

<i>Project title:</i>	Opening Doors for Cross Border Clusters in Slovakia and Ukraine
<i>Acronym:</i>	CLUSTERING
<i>Contract Number:</i>	HUSKROUA/1001/148
<i>Supported by:</i>	Hungary-Slovakia-Romania-Ukraine ENPI CBC Programme 2007-2013
<i>Local Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Nataša Urbančíková, Peter Burger, Kristína Repiská
<i>Duration:</i>	2012 – 2014
<i>Website:</i>	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 has been carried out and analyses of two regions have been elaborated.

<i>Project Title:</i>	A Knowledge Generating House and e-Assessment Model
<i>Acronym:</i>	OpenInn
<i>Contract Number:</i>	511583-LLP-1-2010-1-SK-KA3-K3MP
<i>Supported by:</i>	EC – Life-long Learning Programme
<i>Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Iveta Korobaničová, Dana Pařová
<i>Duration:</i>	2010 – 2013

Project description:

OpenInn serves as 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 contain the Knowledge Generating House that is a site enhancing innovation on a social networking basis designed according to the Open Innovation concept. The e-Assessment Model is an e-learning material, a comprehensive pedagogical background that can be applied also as a guide for using the Knowledge Generating House for lifelong learning and innovation purposes. These results are on the OpenInn portal in nine languages (EN, DE, SK, PT, IT, HU, ES, DA, BG).

OpenInn aimed to answer the need for a bridge to span over the digital divide as shown by EC documentations. Creative solutions require a different evaluation system and a new pedagogical concept with innovative didactics. Learners and facilitators need to have a strong self-esteem and trust that they will be accepted with their new ideas, not to be afraid of introducing new solutions. This way they are able to use new ICT-enhanced solutions effectively for collaborative learning. Innovative social networks can enhance learning in formal and informal education, thus exploiting new methods like open innovation are important not only for enhancing creativity and self-realization but for creating new R&D knowledge in the future.

<i>Project Title:</i>	Financial and Accounting Seminars Targeting European Regions
<i>Acronym:</i>	FASTER

<i>Contract Number:</i>	518894-LLP-1-2011-1-GR-KA3-KA3MP
<i>Supported by:</i>	EC – Life-long Learning Programme
<i>Local Coordinator:</i>	Dana Pařová
<i>Associated Faculty:</i>	Anna Bánociová, Jozef Bucko, Ján Buleca, Ivana Gerhartová, Emília Jakubíková, Dana Pařová, Vincent Šoltés, Radoslav Tušan, Martin Vejačka
<i>Duration:</i>	2012 – 2013

Project description:

FASTER (Financial and Accounting Seminars Targeting European Regions) develops an innovative on-line educational platform in order to facilitate the flow of existing practical knowledge produced in the daily routine of financial services of enterprises, banks & public sector. Interactive web-based educational applications and case studies on real accounting situations provide accumulated knowledge in forms suitable to non-formal, practical learning, serving both Erasmus and Leonardo Da Vinci strategic objectives.

The courses were developed in 5 languages, while accounting, taxing, legislative differentiations between nations are spotted. The idea to allow and encourage the mobility of EU citizens to work in foreign countries, demands not only knowledge of finance and accounting, but training based on local conditions (law, terminology and ethics) and familiarity with national law & taxes. FASTER also includes a European system of job vacancies and e-CVs, enabling transnational pursuit of jobs.

During the final year of the project realisation the FASTER platform was finished and tested by pilot testers from all target groups (academics, students, people interested in vocational training, employers) and disseminated via different communication channels – mail, web-site, international conference presentations and journal papers. Final version of platform contains laboratory with various bibliographical sources and glossary, on-line educational courses and jobseeker tool. For more information please visit www.fasterproject.eu.

<i>Project Title:</i>	Innovative Development of European Areas by Fostering Transnational Knowledge Development IDEA
<i>Acronym:</i>	IDEA
<i>Supported by:</i>	INTERREG IV B – Central Europe
<i>Contract Number:</i>	2CE175P1
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec, Gabriela Kolřevková
<i>Duration:</i>	2010 – 2013

Project description:

The main objective of the IDEA project was to develop and implement a strategy for improving human resources and knowledge development at regional level and to increase innovativeness. The target group of the IDEA project are professionals of engineering technology and natural science working as designing engineers, process developers and the like and also high potentials from SMEs and academic sector. The main results of the IDEA project in 2013 were elaboration of the strategies for improving human resources and high potentials support in the partner countries.

<i>Project title:</i>	Policy Making and Politics at the Local Level: V4 countries and other CEE countries in comparative perspective
<i>Acronym:</i>	POL-LOC
<i>Contract Number:</i>	61000010
<i>Supported by:</i>	International Visegrad Fund – Visegrad Universities Studies Grants
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šebová
<i>Duration:</i>	2011 – 2013

Project description:

In the period of 2011-2013 three summer schools aimed at the policy making and politics at the local level in the V4 countries were held in Košice. The main objectives of this series of summer schools were the following:

- Initiation and establishment of a long-term cooperation between the partner universities/faculties/institutes, their students and teachers/researchers, who deal with local government and related issues;
- Preparation of innovative, strongly interdisciplinary and high quality programme for purposes of summer schools that would be aimed at policy making and politics at the local level;
- Preparation of innovative, strongly interdisciplinary and high quality teaching materials that would be aimed at policy making and politics at the local level;
- Organization of annual international summer schools where university students (postgraduates as well as PhD students/candidates) and young teachers/researchers from various partner universities/faculties/institutes would take part in;

- Development of knowledge and experience of those university students and teachers/researchers who deal with local government and related issues;
- Innovation and improvement of educational processes at the partner universities/faculties/institutes;
- Contribution to both the European and V4 studies that are centred on local government and related issues.

<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 is 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.

<i>Project title:</i>	Turning to Silver Challenge into the Golden Opportunity
<i>Acronym:</i>	SIGOLD
<i>Contract Number:</i>	510629-LLP-1-2010-SK-GRUNDTVIG-GMP
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Iveta Korobaničová
<i>Duration:</i>	2011-2013

Project description:

Within the SIGOLD project the situation of 50+ workers in the labour market and this age group in companies, and education and training methods used were investigated. The blended courses for 50+workers, HRD managers and educators were prepared and tested in four languages – English, Slovak, German, and Greek. Project activities contributed to creation of favorable environment for 50+ workers through its dissemination and awareness raising activities focused at the indirect target groups: public administrators, labor offices, trade unions, and social services providers.

<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>	<i>543891-TEMPUS-1-2013-RU</i>
<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 modernize higher education in Economics on Master-level in the remote Russian regions Siberia and the Far East. It will contribute 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 will also enhance the international orientation of these master programmes through five new double degree programmes between EU and Russian HEIs in line with the Bologna process.

9.2 National educational projects and Developmental activities

<i>Project title:</i>	Building of Multimedia Classroom to Support Distance Forms of Education Focused on Key Competences Emphasasing Entrepreneurial Skills
<i>Contract Number:</i>	<i>KEGA 035TUKE-4/2012</i>

Coordinator: Peter Kuzmišin
Duration: 2012 – 2014

Project description:

There are three main areas to be acknowledged as the project's results in second year of its duration. First area is the multimedia classroom, which has been enriched with new components. These components were increasing the existing standard of technologies. Second area is the preparation of distance education. Two textbooks were prepared, namely: „Psychological and social skills in entrepreneurial milieu“ and „Economic competences within entrepreneurial milieu“. Third area was the publishing of articles as well as up-dating web-page: <http://www3.ekf.tuke.sk/mupoz/>.

Project Title: **Package for Improvement and Innovation of Education at the Technical University of Košice**
Contract Number: ITMS 26110230070
Supported by: ASFEU
Local Coordinator: Vincent Šoltés
Associated Faculty: Marianna Siničáková, Ľudmila Bartóková, Manuela Raisová, Júlia Ďurčová, Denis Horváth, Tomáš Želinský
Duration: 2013 – 2015

Project description:

The aim of the project at the Faculty of Economics is 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 will be e-learning textbooks and web-based e-learning courses in respective languages for the target student groups.

Project Title: **Package of Supplements of the Next Reform in the Field of Education at the Technical University of Košice**
Contract Number: ITMS 26110230093
Supported by: ASFEU
Local Coordinator: Vincent Šoltés

Associated Faculty: Marianna Siničáková, Radoslav Delina, Mojmír Pridavok, Beáta Gavurová, František Janke, Peter Džupka
Duration: 2013 – 2015

Project description:

The aim of the project at the Faculty of Economics is to innovate study materials using multimedia instruments, e-learning textbooks and web-based e-learning courses in for the target student groups.

Project Title: **University Science Park TECHNICOM for Innovative Applications with the Support of Knowledge Technologies**
Contract Number: ITMS 26220220182
Supported by: Ministry of Education, Science, Research and Sport of the Slovak Republic
Project Goal: Building Up University Science Park
Duration: 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 Černáková, 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 Tartaľová, 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 2014

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 study materials 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 continuing outcome of the project is to improve of the quality of provided part-time study at the Faculty.

<i>Project Title:</i>	Curricular Innovation in Public Administration and Follow-up Elaboration of Modern University Textbook
<i>Contract Number:</i>	KEGA č.009EU-4/2011
<i>Supported by:</i>	Slovak Ministry of Education
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šbová
<i>Duration:</i>	2011-2013

Project description: The main goal of this project was to prepare and publish a new modern textbook that would be focused on public administration. In cooperation with the partner (Faculty of National Economy, University of Economics, Bratislava) this goal was achieved and the new textbook will be published in early 2014.

<i>Project Title:</i>	Management System for Quality, Efficiency and Economic Effectiveness at the Faculty of Economics (QMS-EkF)
<i>Project manager:</i>	Radoslav Bajus, Radoslav.Bajus@tuke.sk

Aims:

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

Expected outcomes:

1. Implementation of the Quality Management System in accordance with STN EN ISO 9001:2008.

2. Self-evaluation and performance management based on the European Foundation for Quality Management – EFQM Excellence Model.
3. To achieve Performance Competitiveness based on the Six Sigma model as used in the European Union.

Activities carried out in 2013:

1. 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 2012 – April 2013

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 2012	January 2013
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 2013	April 2013

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.

Project title: Hosting a foreign professor

Supported by: VÚB Foundation

Local Coordinator: Marianna Siničáková

Associated Faculty: Vladimír Gazda, Veronika Šulíková, Viliam Kováč

Duration: 2014

Project description: The aim of the project is to enhance quality of education in the field of International Finance at Master as well as PhD level. Prof. Patrick Musso, a respectable expert from the University of Nice – Sophia Antipolis in France, is invited lecturer within the project.

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 2013 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.; Development Agency of Presov Self-governing region; Office of Kosice Self-governing region; Agency for the Support of Regional Development, Košice.



Fig. 6: SIGOLDproject meeting

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 Teesside, United Kingdom
- 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

- University of Milan – Bicocca, Italy
- Calabria University, Italy
- University of Castilla La Mancha, Spain
- University of Valencia, Spain
- Business and Economics School, Lisbon, Portugal
- Lusófona University, Lisbon, Portugal
- University of Vaasa, Finland
- 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
- Selcuk Universitesi Konya, Turkey
- Yildirim Beyazit University, Ankara, Turkey
- Afyon Kocatepe University, Afyonkarahisar, Turkey
- University of Karabuk, Turkey
- Petru Maior University of Targu Mures, Romania
- University of Oradea, Romania
- Babes Bolyai University of Cluj Napolca, Romania
- University of Maribor, Slovenia
- Karl-Franzens University, Graz, Austria
- Budapest Business School, Hungary
- University of Miskolc, Hungary
- Vilnius Gediminas Technical University, Lithuania

The Faculty has also established good working contacts with:

- empirica GmbH, Bonn, Germany
- Danish Technological Institute, Copenhagen, Denmark
- University of Miskolc, Hungary
- Corvinus University of Budapest, Hungary
- ERENET – Entrepreneurship Research and Educational Network of Central European Universities
- Rzeszów University of Technology, Poland
- AGH University of Science and Technology, Faculty of Management, Krakow, Poland

- University of Maribor, Slovenia
- University of Zagreb, Faculty of Organisation and Informatics, Varazdin, Croatia
- North University of Baia Mare, Romania
- 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
- Fraunhofer Institute, Germany
- In-Jet, Denmark
- C-Net, Sweden
- Faculty of Management and Economy, Tomáš Baťa University in Zlin, Czech Republic
- University of Strasbourg, France
- Fachhochschule Frankfurt am Main, University of Applied Sciences, Germany
- National Academy of Science – Institute of Regional Researches, Lviv, Ukraine
- Faculty of Economics Subotica, University of Novi Sad, Serbia
- Petru Maior University, Tîrgu Mureş, Romania
- Institute of Economic Sciences, Belgrade, Serbia
- Central European University, Budapest, Hungary

During the academic year 2012/2013 46 of our students participated in Erasmus exchange visits, two students participated in the mobility programme at the Huddersfield University Business School, Great Britain and three students at the University Sofia Antipolis in Nice, France. Mobilities from other EU countries to Slovakia also took place - three Erasmus students from Spain and one from Turkey studied at our Faculty. In the same academic year, visiting teachers from the partner universities in the UK, Germany, France, Czech Republic, Poland, Turkey and Hungary gave lectures at the Faculty.

In the academic year 2013/2014 27 our students already participated in Erasmus exchange programme in winter semester and 29 students will participate in the summer semester.

Four students study at the Huddersfield University Business School, Great Britain and three students at the University Sophia Antipolis in Nice, France. During 2013/2014, twelve Erasmus exchange students study at our Faculty, eight from Spain, one from Germany, one from Italy, one from Hungary, and one from Turkey.

The Faculty continues in the implementation of the double diploma programme in cooperation with the University of Nice Sophia Antipolis, France. French speaking students at our Faculty have the possibility to enrol at the University of Nice for a distance study. They have to take four optional economic courses in French language each academic year, i.e. twelve courses during three academic years (Elementary Microeconomics, Elementary Macroeconomics, Mathematics I, Mathematics II, Microeconomics II, Macroeconomics II, Statistics I, Statistics II, International Economics, Economics of Industry, Econometrics, Regional Economics) – to receive a Bachelor degree from the University of Nice Sophia Antipolis. The courses and exams are coordinated by the University of Nice Sophia. Up to now 30 students have been awarded Master 1 degree, 4 students Master 2 degree, 79 students have been awarded the Bachelor degree.

The Ministry of Foreign Affairs of the Republic of France is supporting the programme, Mr. Hervé Guillermet from the Embassy of the Republic of France in Slovakia, attaché of the Republic of France responsible for the university cooperation, came in November 2013 to present the grants of French government and new possibilities of cooperation. The top students of this programme have the opportunity to study directly at the University of Nice within the framework of the Erasmus/Socrates programme or thanks to attractive scholarships granted by the French government.

Up to now 34 Erasmus students from the Faculty of Economics studied in Nice and app. 16 students studied within French or Slovak national grant programs.



Fig. 7: Grand graduation ceremony

Based on the agreement with the Huddersfield University Business School in the UK, three students of the Faculty enrolled to the bachelor degree programme in Huddersfield and one to master degree in Teesside University in Middlesbrough in the academic year 2013/2014.

In 2013, 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. He also prepared a rich social and cultural program for the participants (e.g. the meeting with Jürgen Büssow, the president of the Nordrhein-Westfalen Land Government, Wolfgang Roth, the former general president of the European Investment Bank).



Fig. 8: 20th Anniversary of the Faculty, founding members of the Alumni Association.

10.3 Visitors to the Faculty

Within the framework of bilateral cooperation, the following representatives of partner institutions visited the Faculty of Economics in 2013:

- Celine Blondeau, Vice-Dean of the Faculty for Economics and Entrepreneurship, Lille Catholic University, France,
- Laurent Dalmas, University of Versailles Saint-Quentin-en-Yvelines, France
- John Flanson, Director of Partnerships and Innovations, University of Liverpool, United Kingdom,
- Hervé Guillermet, French Embassy in Bratislava, Slovakia
- Lambert Koch, University of Wuppertal
- Prof. George Selgin: University of Georgia, USA,
- Ernst Andreas Ziegler, Junior University in Wuppertal
- Petr Doucek, University of Economics, Prague, Czech Republic

- Lea Nedomová, University of Economics, Prague, Czech Republic
- Renáta Nešporová, Business School Ostrava, Czech Republic
- Narcyz Roztocki, State University of New York at New Paltz NY,
- Jolanta Kowal, College of Management EDUKACJA in Wroclaw, Poland
- Mr. Georg Michael Schmunk, Ambassador of the Federal Republic of Germany to the Slovak Republic
- Július Horváth, Central European University in Budapest, Hungary
- Balázs Heidrich, Budapest Business School in Budapest, Hungary
- Andrea Szirmai, Budapest Business School in Budapest, Hungary
- Vlasta Humlová, VŠB - Technical University of Ostrava, Czech Republic
- Dejan Erić, Institute of Economic Sciences, Belgrade, Serbia
- Srdjan Redzepagić, Institute of Economic Sciences, Belgrade, Serbia
- Hasan Hanić, Institute of Economic Sciences, Belgrade, Serbia
- Marc Grünhagen, University of Wuppertal
- Kathrin Bischoff, University of Wuppertal

10.4 Visits of the Faculty Staff to Foreign Institutions

Anna Bánociová:

- Estoril Higher Institute for Tourism and Hotel Studies ESHTe, Portugal
- City University London, Great Britain

Eudmila Bartóková:

- University Petru Maior, Tirgu Mures, Romania
- Université de Nice - Sophia Nice, Nice, France

Tomáš Bálint:

- Bielefeld Graduate School of Economics and Management (BiGSEM), University of Bielefeld, Germany

Jozef Bucko:

- City University of London, Great Britain
- Estoril Higher Institute for Tourism and Hotel Studies ESHTe, Portugal

Ján Buleca:

- Estoril Higher Institute for Tourism and Hotel Studies ESHTe, Portugal
- University of Versailles Saint-Quentin-en-Yvelines, France

Veronika Černáková:

- University Wuppertal, Germany

Radoslav Delina:

- University of Economics Prague, Prague, Czech Republic

- European Commission, Brussels, Belgium
- University of Rzesow, Poland

Elena Drabiková:

- University of Nice Sophia Antipolis, Nice, France

Barbora Dugasová:

- University of Rzesow, Poland

Marián Gál:

- University of Milano-Bicocca, Italy

Vladimír Gazda:

- University of Nice – Sophia Antipolis, France
- Petru Maior University of Targu Mures, Romania

Jozef Glova:

- University of Belgrade, Belgrade, Serbia
- University of Economics in Katowice, Katowice, Poland

Marek Gróf:

- Afyon Kocatepe University, Afyonkarahisar, Turkey

Oto Hudec:

- Miskolc University, Hungary
- University Avogadro, Alessandria Italy
- The University of Palermo, Palermo, Italy

Emília Jakubíková:

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

Daniel Klimovský:

- Charles University in Prague, Czech Republic
- Corvinus University in Budapest, Hungary
- Palacký University in Olomouc, Czech Republic
- University of Lille 2, France
- University of Bicocca, Milan, Italy
- University of Šiauliai, Lithuania

Anna Koečková

- Business School Ostrava, Czech Republic

Iveta Korobaničová:

- Masaryk University, The Faculty of Economics and Administration, Brno, Czech Republic
- District Economic Chamber of Most, Czech Republic

Lucia Mihóková:

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

Rajmund Mirdala:

- University Petru Maior, Tirgu Mures, Romania

Daniela Palaščáková:

- Vinnytsia commercial Kiev National Economic Institute Commercial-Economic University, Ukraine, Vinnitsa

Manuela Raisová:

- University of Rzeszow, Poland

Marcel Rešovský:

- School of Management, Le Havre, France
- University of Graz, Austria

Marianna Siničáková:

- Afyon Kocatepe University, Afyonkarahisar, Turkey
- Petru Maior University of Targu Mures, Romania
- Economic Institute of Belgrade, Serbia

Vincent Šoltés:

- Wuppertal University, Germany
- University of Tomáš Baťa, Zlín, Czech Republic

Michal Šoltés:

- University of Versailles Saint Quentin-en-Yveline, France
- Technical University of Liberec, Czech Republic

Michal Tkáč:

- Fraunhofer Institute for Factory Operation and Automation, Berlin, Germany

Radoslav Tušan:

- Estoril Higher Institute for Tourism and Hotel Studies ESHTTE, Portugal
- City University London, Great Britain

Nataša Urbančíková:

- BIBA, Bremen, Germany
- PIAP, Warsaw, Poland
- University of Oil and Gas, IvanoFrankivsk, Ukraine
- University of Miskolc, Hungary

Viliam Vajda:

- Cyberforum, Karlsruhe, Germany
- North Hungarian IT Cluster, Miskolc

Martin Vejačka:

- Estoril Higher Institute for Tourism and Hotel Studies ESHTe, Portugal
- City University of London, Great Britain

Lenka Vejačková:

- Estoril Higher Institute for Tourism and Hotel Studies ESHTe, Portugal
- City University of London, Great Britain
- Business School Ostrava, Czech Republic

Renáta Vokorokosová:

- Częstochowa University of Technology, Częstochowa, Poland

Tomáš Želinský

- Vienna University of Economics and Business, Austria
- Faculty of Social Sciences, Charles University in Prague, 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

Radoslav Delina:

- Member of the Programme Committee of IDIMT Conference
- Member of the Programme Committee of ICTM
- 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

Marián Gál

- Member of Local parliament in Košice

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

Emília Jakubíková:

- Member of the Editorial board of Journal of Economics and Management, Czech Republic

Daniel Klimovský:

- Member of the Editorial Board in Raziskave & Razprave / Research & Development (ISSN 1855-6280)
- Member of the Editorial Board in Pro Publico Bono (ISSN 2062-7165)
- Member in the Editorial Board in Innovative Issues and Approaches in Social Sciences (ISSN 1855-0541)
- Country Ambassador of the Regional Studies Association for the Slovak Republic
- Member of the Steering Committee of the Open Society Foundation – Slovakia
- Independent expert of the Council of Europe, France

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

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)
- Editor of the scientific journal - GRP International Journal of Business and Economics (ISSN 2048-8556)
- 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)
- Member of the Editorial Board of the scientific journal - Academic Joy Review (ISSN 2164-0556)
- 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
- 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

Dana Paľová:

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

Daniela Palaščáková:

- Vedecký Obzor / Scientific Horizon - Journal Uceu – University of Central Europe, Skalica, Slovakia (ISSN 1337-9054).

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” Research Program of the Institute for Prospective Technological Studies (IPTS), European Commission, Seville, Spain

Marianna Siničáková:

- Member of the Editorial board, Journal of Women's Entrepreneurship and Education, Serbia
- Member of the CEMAFI International Association Council at the University of Nice, France

Michal Šoltés:

- Member of the Editorial board, Creative Mathematics and Informatics, 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 Acta Montanistica Slovaca, Slovakia
- Member of Editorial board of the Economics And Informatics, Slovakia

Alena Tartal'ová:

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

Nataša Urbančíková:

- Member of the committee for PhD study at the University of Economics, Bratislava – Public Administration and Regional Development

Renáta Vokorokosová:

- Member of commission for PhD study in the field: Management of international entrepreneurship, Faculty of Business EU Bratislava
- Member of editorial board ERENET PROFILE, journal published by Corvinus University in Budapest, Hungary

Tomáš Želinský:

- National representative to ECAS Board (European Courses in Advanced Statistics)
- Member of the Committee of the Slovak Statistical and Demographical Society, Slovakia
- Member of Global Development Network, India
- Member of R Foundation
- Member of Economic Science Association, USA
- 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 2013 the following habilitation and inauguration procedures took place:

Habilitation:

- **Tomáš Želinsky, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Poverty and Deprivation from Revenues and Property Point of View, November 2013.

Inauguration:

- **Assoc. Prof. Vladimír Gazda, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of inauguration lecture: Various Theoretical Concepts of Balance, with Emphasis on Financial Markets Modeling, November 2013.

12 PHD STUDY

12.1 Internal PhD Students at the Faculty of Economics

In 2013 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. Martin Dujčák: Model of Financial Literacy management and Decision Support within Family Expenses. Supervisor: Assoc. Prof. Radoslav Delina;
3. Zuzana Gordiaková: Application of Option Strategies for the Creation of Structured Products. Supervisor: Prof. Vincent Šoltés;
4. Monika Harčariková: Structured Products Suitable for Declining Financial Markets. Supervisor: Prof. Vincent Šoltés;
5. Jozef Heteš: Determinants of deposits of nonfinancial subjects in financial institutions. Supervisor: Prof. Renáta Vokorokosová;
6. Pavel Kisela: Selection algorithm of trading strategies based on technical and fundamental analysis. Supervisor: Prof. Tomáš Sabol;
7. Slávka Klasová: Regional Knowledge Bases and Innovation Systems. Supervisor: Prof. Oto Hudec;
8. Štefan Kováč: External and Internal Factors in Spatial Distribution of Economic Activities. Supervisor: Prof. Oto Hudec;
9. Viliam Kováč: Trust and Reciprocity in Network Structures. Supervisor: Prof. Vladimír Gazda;
10. Michal Krajčík: Strategies on Hedge Fund Management. Supervisor: Assoc. Prof. Michal Šoltés;
11. Matej Kručanica: Electronic Trading of Financial Instruments - Application of Technical Analysis. Supervisor: Assoc. Prof. Michal Šoltés;
12. Martin Kubačka: Market Networking Models. Supervisor: Assoc. Prof. Radoslav Delina;
13. Marko Lalić: Exotic Options and their Applications on Structure Products. Prof. Vincent Šoltés;
14. Janka Milkovičová: Innovation as a determinant of growth of performance and competitiveness of companies. Supervisor: Assoc. Prof. Michal Šoltés;

15. Eva Modráková: Analysis of the Impact of Changes in the Pension Saving System for Savers and for the State Pension Policy
Supervisor: Assoc. Prof. Michal Šoltés;
16. Bibiána Nováková: Proposal for the quality of life measurement models and their application at different levels. Supervisor: Prof. Vincent Šoltés;
17. Daniel Novota: Monetary Policy and Foreign Exchange Market at the Present. Supervisor: Assoc. Prof. Václav Dufala;
18. Miroslava Pačková: Bankruptcy Prediction Models. Supervisor: Assoc. Prof. Radoslav Delina;
19. Damián Pastor: Knowledge management in knowledge economy, valuation of knowledge assets. Supervisor: Prof. Tomáš Sabol;
20. Anna Petrušková: Regional Self-government Tax Revenues and their Influence on the Competence Implementation. Supervisor: Prof. Viktória Bobáková;
21. Mojmír Prídavok: Economic Effectiveness of Reverse Auction Strategies. Supervisor: Assoc. Prof. Radoslav Delina;
22. Martina Prochádzková: Innovation System and Multi-level Financial Relations. Supervisor: Prof. Oto Hudec;
23. Kristína Repiská: The level of human and social capital as an element of regional investment environment. Supervisor: Assoc. Prof. Nataša Urbančíková;
24. Katarína Rimegová: The Development Aid and its Impact on Supplementing Government Budgets in Developing Countries. Supervisor Assoc. Prof. Marta Orviská;
25. Lucia Siroková: Mergers and Acquisitions in the Bank Sector. Supervisor: Prof. Jozef Medved’;
26. Soňa Svocáková: New China Investment Strategies in World Financial Markets. Supervisor: Assoc. Prof. Iveta Pauhofová;
27. Aneta Svrčeková: Economic Aspects of International Capital Movements. Supervisor: Assoc. Prof. Rajmund Mirdala;
28. Ivana Špireňová: Bank Finance and Competitive Ability of Economics. Supervisor: Prof. Renáta Vokorokosová;
29. Jana Šariková: Slovak Income Formation in Crisis Periods. Supervisor: Assoc. Prof. Iveta Pauhofová;
30. Marián Šestina: Macroeconomic Aspects of Global Debt Crisis. Supervisor: Assoc. Prof. Rajmund Mirdala;
31. Veronika Šulíková: The Analysis of the External Disequilibrium and the Foreign Reserves in the Context of the Balance of Payments. Supervisor: Prof. Vladimír Gazda;

32. Michaela Urbanovičová: Credit Operations of Banks and Monetary Policy. Supervisor: Prof. Renáta Vokorokosová;
33. Tatiana Vagašová: Measuring the Effectiveness of the Health System in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
34. Veronika Zlacczká: Impact of the government debt on the macroeconomic development of the Slovak Republic. Supervisor: Assoc. Prof. Emília Jakubíková.

12.2 External PhD Students at the Faculty of Economics

1. Alazoozey Yonez Ali M.: Applications of Graph Theory in Economics. Supervisor: Prof. Vladimír Gazda;
2. Abdoulmola Razeg: Financial Analyses by Using Ratio Finance. Supervisor: Assoc. Prof. Václav Dufala;
3. Altiboley Khalejl Edreis: Quantitative Trading and Investment strategies. Supervisor: Assoc. Prof. Michal Šoltés;
4. Abulhafid Ibrahim Mehemed: Corporate Governance Structure and Firm Performance. Supervisor: Prof. Oto Hudec;
5. Tatiana Baníková: Happiness, economic development and innovations. Supervisor: Assoc. Prof. Radoslav Delina;
6. Pavol Baran: Outsourcing at Financing Capital Companies. Supervisor: Prof. Jozef Medved';
7. Benjreed Morad: Financing Commercial Banking through the ECB Operations. Supervisor: Prof. Renáta Vokorokosová;
8. Ing. Patrik Bidovský: Economic analysis and measuring e-shops effectiveness. Supervisor: Assoc. Prof. Jozef Bucko;
9. Bensharada Wanies A.: Outsourcing in Financing of Institutions in Public Sector. Supervisor: Assoc. Prof. Václav Dufala;
10. Duško Bodroža: Municipal Bonds as a Local Government Financing Source. Supervisor: Prof. Hasan Hanić;
11. Radoslav Blahovec: Creative Economy and its Impact on Regional Competitiveness. Supervisor: Prof. Oto Hudec;
12. Radomír Císař: Electronic Trading of Securities - Application of Technical Analysis. Supervisor: Assoc. Prof. Michal Šoltés;
13. Tamara Cvejić: Creating Shareholders Value in Mergers and Acquisitions Focused on the Banking Sector. Supervisor: Prof. Dejan Erić;
14. Daya Abdalbast Omer: The role of Finance in Regional Development in the Knowledge Economy. Supervisor: Prof. Oto Hudec;

15. Durda Hesham Ali: Strategic Behaviour of Individual Investor on the Financial Market. Supervisor: Prof. Vincent Šoltés;
16. Mihajlo Djukić: Specific Evaluation of Companies in the Developing Markets. Supervisor: Prof. Srdjan Redzepagić;
17. Lukáš Friga: Financial behavior of people from marginalized Roma communities. Supervisor: Prof. Vladimír Gazda;
18. Christian Hoffmeister: Stock Price Liquidity and the Influence on Market and Trading Strategies. Supervisor: Prof. Dr. Martin Užík;
19. Michaela Kostačová: Financial Aspects of Performance Management. Supervisor: Prof. Dejan Erić;
20. Andrea Kralik: The Impact of Tax Evasion and Tax Avoidance on Government Deficit and the Public Dept. Supervisor: Assoc. Prof. Marta Orviská;
21. Vladimír Kyseřa: Bank Loans and Economic Growth. Supervisor: Prof. Renáta Vokorokosová;
22. Mohamoud Omer: Global, National and Regional Aspects of Mobility of Investments. Supervisor: Assoc. Prof. Václav Dufala;
23. Miroslava Novikmecová: Factors Affecting the Size of Tax Revenues of the Slovak Republic's State Budget. Supervisor: Assoc. Prof. Emília Jakubíková;
24. Sukker Abdala: The Impact of Foreign Trade on Economic Development of the Arab Petroleum Exporting Countries. Supervisor: Assoc. Prof. Radoslav Delina;
25. Wafi Yousef: Valuation of Information Technology Investments using Real Options Approach. Supervisor: Assoc. Prof. Radoslav Delina;

12.3 PhD Degrees Awarded in 2013

The following internal PhD students of the Faculty defended their PhD theses and were awarded PhD degree in 2013:

1. Tomáš Bálint: Modelling of Electronic Financial Services.
2. Kristína Dobšínská: Impact of the Economic Cycle on Capital Structure of Enterprises.
3. Elena Drabíková: Influence of European Monetary Union on the National Banking Sector.
4. Barbora Gontkovičová, born Dugasová: Composite Criterion Attractiveness of the Host Country for the Inflow of Direct Foreign Investments.
5. František Janke: Trust and Economic Performance.

6. Martina Lučkaničová: Financial and Non-financial Indicators for Valuation of Knowledge Management Systems in an Organization.
7. Lucia Mihóková: The Fiscal Impact of Economic Crisis in V4 Countries.
8. Viera Pavličková: Debit and Credit Payments Indicators of Competitiveness of Slovakia on the World Market.
9. Marcel Rešovský: Capital Assets Prices in Conditions of Complicated Ownership Structure
10. Ján Sidor: The Role of Government in Allocating Financial Resources in the Health Sector of Slovak Republic.
11. Miroslav Szpyrc: Financial Relations of Banking and Nonbanking Financial Institutions within SR.

The following External PhD students were awarded PhD degree in 2013.

1. Abdulhamid Younis: Investment Certificate Suitable for Conservative Investors.
2. Hamouda Abdulbased Mohamed: Determinants of Current Account Balance in the Conditions of Open Economy.
3. Jana Ľochová: Comparison of Bank Sector and its Development in Transitive Economics.
4. Musa Mubark Omer.: Information and its Role in the Decision Process of the Economic Agents.

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.

The invited specialists held lectures on topical issues. In the spring semester, Dr. Jolanta Kowal from Universty of Wroclaw, Poland, presented her research about competency of IT professionals and organisational ethics and job satisfaction. Dr. Jana Cahlíková from the Center for Economic Research and Graduate Education in Prague, the Czech Republic, introduced her experience with doctoral study at the CERGE and presented the topic how does study abroad experience change our attitudes towards other nationalities. Dr. Anca Munteanu from the University Of Tirgu Mureş Romania spoke about efficiency of banking sector in new EU member countries.



Fig. 9: Meeting with representatives of the Office of Statistics

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)

IAESTE is an international association which allows 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 2013 came to Slovakia 36 foreign students from countries like Germany, Greece, Slovenia, Portugal, Bosnia and Herzegovina, Spain, Poland, Croatia, Turkey, United Kingdom, Switzerland, Kazakhstan, Belgium, Macedonia, USA, India, Norway, Romania, etc. 29

Slovak students took part of internship in specializations like IT, Computer Science, Electronic, Architecture, Management, Economy, Aeronautics in different countries as well.

IAESTE organizes a 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: Dávid Bendík, Ivana Jalčáková, Jana Ondovčáková, Michaela Knapíková, Tomáš Farkašovský, Ján Tomko, Peter Breza, Patrik Durkaj, Andrea Galliková, Alexandra Králová, Ján Madzin, Róbert Krupinský, Monika Smetanová, Beáta Solárová.

Web side: www.iaeste.sk

AIESEC Kosice

AIESEC is the global youth network impacting the world through leadership development experiences. AIESEC has been facilitating youth leadership activities as well as international internships & volunteer experiences for over 65 years, developing a global learning environment across 124 countries & territories. AIESEC offers 3 types of programmes for students - participation in global learning environment, leadership opportunities and international experience - internships. In 2013 AIESEC in Kosice did many activities for example we did infostand at Faculty of Finance, Banking and Investments, where we promote out opportunities such as membership and internships. Also for students of 4 and 5 year with co-operation with our Partner Personnel Effect we did workshop about coaching, how to be prepared for interview and be most suitable candidate. AIESEC Košice organized also Carrer Day – local conference which the goal is getting students trainings from companies how to be successful in finding a job. We did also Interantional Day what was the info event about foreign oportunities and possibilities of traveling for the students. Moreover each year AIESEC organize NDK (national career days) where students can get in contact with companies, find the information that they are interested in and maybe find the job.

Web site: <http://www.aiesec.sk/kosice/>, www.zahranicnestaze.sk

3rd POL-LOC Summer School

33 university students and 16 young university teachers from 13 European countries (16 different academic institutions) attended the summer school.

10 keynote lecturers gave their keynote lectures within the event programme: Diana-Camelia Iancu (Romania), Darina Malová (Slovakia), Maroš Finka

(Slovakia), Paolo Fedele (Italy), Saša Drezgić (Croatia), Pontus Tallberg (Sweden), Linze Schaap (Netherlands), Juraj Nemec (Slovakia), Jochen Franzke (Germany), and Pawel Swianiewicz (Poland). A few other presenters took part in the summer school, too - namely: Stela Csachová (University of Pavol Jozef Šafárik in Košice), Peter Germuška (Košice 2013 - European Capital of Culture), and Jozef Šulák (Agency for Support of Regional Development, Košice).

Several leisure-time activities were organized for the participants too. Three of them (a visit to the Košice ZOO, high ropes track Tarzania and summer bobsleigh) were included in the so-called ice-breaking activities. The participants had an opportunity to know each other, and to train both their physical and mental abilities. They also had the opportunity to enjoy a trip to “Pearls of Eastern Slovakia” (Belianska Cave, rafting in River Dunajec etc.), spent one day in Aqua City in Poprad and were guests of the Mayor of Košice to a barbecue. Last but not least, a bowling tournament was organized for the participants in the end of the event.

Two weeks of intensive summer school culminated on 19 July 2013, when the participating students completed their written tests and colloquial examination. Although the results varied a lot, all participants fulfilled the minimal requirements in order to be awarded with 4 ECTS. Five students, who reached the best results – namely: Mr. Martin Kryšpín Wimmr (Czech Republic), Ms. Jurgita Mikolaityte (Lithuania), Ms. Henna Paannanen (Finland), Ms. Ivana Petričko (Croatia), and Ms. Vita Juknevičienė (Lithuania) – were awarded. The best participant, Mr. Martin Kryšpín Wimmr, won inter alia one-month stay in the European Parliament, and also participation in the “2013 International Summer School on Regulation of Local Public Services” that was held at the Turin School of Local Regulation, Italy from 9-20 September 2013.

Project web-site: www.polloc.org

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, Assistant 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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Ľudmila 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 double 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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Radoslav Blahovec, Assistant Professor

His research activities are focused on creative industry and a local and regional development. List of courses taught: Marketing, Financial Services Marketing.

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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.

List of courses taught: Innovation and Cluster Policy, Regional Economics and Politics, Urbanistics and Regional Planning, Enterprise and Entrepreneurship and Management

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Veronika Černáková, 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.

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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, MVTS, 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, Assistant Professor

His areas of research interest include innovation, SME analysis, 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 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 double diploma in cooperation with the University of Nice in France.

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Marián Gál, PhD, Assistant Professor

He is doing research in the area of Efficiency of Financing in Municipal Firms and Local Municipalities. Public Finance, Tax and taxation Systems, Financial Control, Financing of Local Municipalities, Financing of Non-profit Organisations ; he also teaches students within the Socrates/Erasmus program in English language (i.e. Tax and Taxations, Public Finance, Financing of Local Municipalities).

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Beáta Gavurová, PhD, MBA, Associate Professor,

Her areas of research include modern systems for measuring the performance of an enterprise, Balanced Scorecard. She is also interested in areas of strategic and personal management and process management. Courses taught: Management of Bank Operations, Commercial Banking.

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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, Assistant Professor

His research interests are investment, company valuation and investment valuation. His other interests are banking, corporate governance and controlling. At present he is participating in several national research projects. Courses taught: Portfolio Analysis, Bank Operations, Banking, Investments. He is also working with the Foundation of Robert Bosch in Germany.

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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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Denis Horváth, PhD, Associate Professor

He started his scientific career as physicist theoretician in the field of statistical physics, theory of complex systems and computer simulations. After graduation he worked for Institute of Experimental Physics Košice. Since 1997 he served at P.J. Šafárik University of Košice as a scientific fellow and lecturer of the newly forming topic of econophysics. In the years 2008-2009 he worked in the Centre de Biophysique Moléculaire, Orleans, France as scientific fellow on the development of the computational models of the complex biomolecular systems. Nowadays he is a lecturer of the mathematical economics and multidimensional statistics on the Department of Finance, Faculty of Economics TUKE. His scientific interest is related to nonlinear methods of the time-series analysis and agent-based simulations in the field of the computational economics.

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Ján Hreňo, PhD, Researcher

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 works, he has focused on e-procurement, electronic business platforms and socio-economic aspects of trust on both macro and microeconomic level. Within research activities, he participated in several international projects and studies (FP7 eBEST and CEOP KASSETTS, Centralab, MeAc Study) and national research (3 VEGA projects) and educational projects (1 project supported by Nadacia Tatra banky). He was awarded the Rector's Prize for excellent study results within Master study programme in 2010.

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Daniel Klimovský, PhD, Assistant Professor

His research activities are focused on policy-making processes at both local and regional levels, public administration and good governance (with special regard on sub-national levels). Since his graduation he has been involved in several research projects associated with the above mentioned topics. Concerning educational activities, he holds several courses, for instance Public Management, European Administration and Governance, Regional Policy of the EU, Local

Politics and Policy-Making, and Administrative Law. Quite recently he started to cooperate with the Council of Europe.

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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, Assistant Professor

Her research interests are in the area of evaluation of effectiveness, investments, capital and financial markets and technical analysis instruments. Courses taught: Banking, Banking operations, Financial derivatives, Business on the Capital Markets. She participates in several national research projects.

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Gabriela Kolářková, PhD, Assistant Professor

Her research interests are in the area of regional economics, development of cross-border cooperation and models of public-private partnership. Courses taught: Regional Economics, Microeconomics, Macroeconomics, World Economy, and Quantitative Microeconomics. She is participating in several national and international research projects.

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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. She was graduated her PhD (as an external PhD student) at the Faculty of Economics and Administration, Masaryk University, Brno, the Czech Republic, in the field of organisational structures of enterprises in 2012. Courses taught: Management, Marketing, Marketing of financial services, Regional and city marketing, Managerial games.

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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 was graduated her PhD (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.

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Lenka Maličká, (born Horváthová), 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.

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Lucia Mihóková, PhD, Assistant Professor

Her research interest is public finance. Her research interests were presented in her PhD work (The Fiscal Impact of Economic Crisis in V4 Countries). She participates in several projects. Courses taught: Finance and Currency, Public Finance, Tax and taxation Systems.

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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.

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Olga Nosáľová, 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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Janka Oravcová, PhD, Assistant Professor

Her research interests are in the area of discrete mathematics – graph theory (graph colouring, graph properties). List of courses taught: Graph theory, Mathematics I, Office Information Systems.

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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: World Economy, National Economy, and Crisis Management.

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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, Basics of Informatics and Office information system. She is experienced in working and providing information using LMSs (eDoceo, Moodle, uLern), CMS (Joomla, Etomite, Drupal). 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. She is also interested in: invariant image recognition, invariant feature extraction and signal processing using transforms like Trace, Hough, Radon transform, Zernike moments.

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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: Financial investment, Portfolio Analysis, Investment Project Appraisal, Pension systems.

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Daniela Petriková (born Bartková), 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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Manuela Raisová, PhD, Assistant Professor

Areas of her research interests are: financial analysis, investments, micro- and macro-economics. Courses taught: Micro-economics, Quantitative micro-economics, Macro-economics.

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Marcel Rešovský, PhD, Assistant Professor

He is primarily interested in research field of financial markets - relations between assets returns represented by networks and analyzed by graph theory. In this field he defended his PhD. thesis "Capital assets prices in conditions of complicated ownership structure". He is also interested in the field of financial derivatives, econometrics and game theory in which he has published papers in cooperation with other authors.

During his PhD studies at Faculty of Economics he has taught Financial markets (one year English group), Corporate finance and Econometrics.

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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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Martina Rusnáková, 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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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, Assistant 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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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 knowledge economy, ICT Sector and local economic development. She is also interested in SME analyses, regional and local marketing, public administration and public economics. She is participating in several research projects. Courses taught: Theory of Public Administration, Sustainable Development, Rural Development, Public economics.

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Helena Šimková, PhD, Assistant Professor

Her area of research interests is management and human resource management. She is also interested in management of bank institutions. Courses taught: Management, Human Resource Management and Business Economics.

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Michal Šoltés, PhD, Associate Professor

His research is focused on actuarial science, financial derivatives, investments and e-business. He was doing his PhD work in the field of investments on the financial market. He is also interested in foreign direct investments and risk management. Courses taught: Actuarial Science I and II, Portfolio Analysis and Electronic Commerce.

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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, Presentation software, Economic information systems.

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Alena Tartal'ová, 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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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 Socrates/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; Enterprenurship; 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 IT quality control, IT econometrics, financial and investment analysis in IT, e-payment systems, credit evaluation, IT risk management, utilization of artificial intelligence techniques in economic studies. At present he is participating in several international and national research and educational projects, especially in the e-commerce field (FP6, FP7, APVV, VEGA, KEGA, Leonardo da Vinci). He also participates 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. List of courses taught: Basics of Informatics, Informatics I, Informatics II, Electronic Service in Banking, Economic Information Systems, Office Information Systems.

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Renáta Vokorokosová, 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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Tomáš Želinský, PhD, Associate Professor

Key areas of his research interest are theory of poverty and microfinance. He is also interested in application of statistical and mathematical methods in economics. Currently he teaches Demography, Spatial Economics and Econometrics. Tomáš Želinský has been a principal investigator of three research projects and has authored and coauthored over 80 publications. At present he serves as a member of the Committee of the Slovak Statistical and

Demographical Society, National representative to ECAS Board (European Courses in Advanced Statistics) and Council of the Slovak Universities.

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15 SELECTED PUBLICATIONS PUBLISHED IN 2013

15.1 Books and Chapters in Books

1. SINIČÁKOVÁ, Marianna - BARTÓKOVÁ, Ľudmila: *Macroeconomie monétaire et financière*. - 1. vyd. - Košice: TU - 2013. - 120 s. - ISBN 978-80-553-1303-0.
2. GAVUROVÁ, Beáta - ŠOLTÉS, Vincent - KAFKOVÁ, Katarína - ČERNÝ, Ľuboš: *Vybrané aspekty efektívnosti slovenského zdravotníctva Jednodňová zdravotná starostlivosť a jej rozvoj v podmienkach Slovenskej republiky*. 1. vyd. - TU - Košice: TU - 2013. - 276 s.. - ISBN 978-80-553-1438-9.
3. GAVUROVÁ, Beáta - ŠOLTÉS, Vincent: *Efektívnosť slovenského zdravotníctva - analýza komparačných aspektov a identifikácia rozvojových možností* - 1. vyd. - Košice: TU - 2013. - 116 s. - ISBN 978-80-553-1451-8.
4. ŠOLTÉS, Vincent - GAVUROVÁ, Beáta: *Analysis of Selected Innovation Components as Basic Attributes of Financial Management of the Healthcare Facilities*. In: *ICT as a Determinant Factor in the Development of the Public Services in the Knowledge Society*. - Targu Mures: Petru Maior University, 2013 P. 75-103. - ISBN 978-606-581-054-9
5. ŠOLTÉS, Vincent - GAVUROVÁ, Beáta: *Critical Aspects of Communication: Health Insurance Companies - Health Providers – Patients*. In: *ICT as a Determinant Factor in the Development of the Public Services in the Knowledge Society*. - Targu Mures: Petru Maior University, 2013 P. 104-131. - ISBN 978-606-581-054-9
6. GAVUROVÁ, Beáta - ŠOLTÉS, Vincent: *Selected Aspects of e-Medicine in Slovakia*. In: *ICT as a Determinant Factor in the Development of the Public Services in the Knowledge Society*. - Targu Mures: Petru Maior University, 2013 P. 132-151. - ISBN 978-606-581-054-9
7. ŠOLTÉS, Michal: *The Role of ICT in the Process of Strategic Management in the Slovak Health Facilities*. In: *ICT as a Determinant Factor in the Development of the Public Services in the Knowledge*

- Society. - Targu Mures: Petru Maior University, 2013 P. 152-179. - ISBN 978-606-581-054-9
8. RÉVÉSZOVÁ, Libuša - PAĽOVÁ, Dana: ICT challenges, opportunities and choices in the knowledge society development. In: ICT as a Determinant Factor in the Development of the Public Services in the Knowledge Society. - Targu Mures: Petru Maior University, 2013 P. 13-37. - ISBN 978-606-581-054-9
 9. PAĽOVÁ, Dana - RÉVÉSZOVÁ, Libuša: Importance of ICT and education for knowledge society development. In: ICT as a Determinant Factor in the Development of the Public Services in the Knowledge Society. - Targu Mures: Petru Maior University, 2013 P. 38-74. - ISBN 978-606-581-054-9
 10. ŽELINSKÝ, Tomáš - PAUHOFVÁ, Iveta: Príjmové nerovnosti a chudoba v období krízy. In: Paradigmy zmien v 21. storočí: Európa, Slovensko - súvislosti globálneho ekonomického a mierového potenciálu. Bratislava: Ekonomický ústav SAV, 2013 S. 197-223. - ISBN 978-80-7144-209-7

15.2 Journal publications, Current Content

1. BARTOŠOVÁ, Jitka - ŽELINSKÝ, Tomáš: The extent of poverty in the Czech and Slovak Republics 15 years after the split. In: Post-Communist Economies. Vol. 25, no. 1 (2013), p. 119-131. - ISSN 1463-1377
2. CZAP, Július: A note on total colorings of 1-planar graphs. In: Information Processing Letters. Vol. 113, no. 14-16 (2013), p. 516-517. - ISSN 0020-0190 Spôsob prístupu: <http://www.sciencedirect.com/science/journal/00200190>.
3. BARÁT, János - CZAP, Július: Facial nonrepetitive vertex coloring of plane graphs. In: Journal of Graph Theory. Vol. 74, no. 1 (2013), p. 115-121. - ISSN 0364-9024
4. CZAP, Július - HUDÁK, Dávid: On drawings and decompositions of 1-planar graphs. In: The Electronic Journal of Combinatorics. Vol. 20, no. 2 (2013), p. 1-8. - ISSN 1077-8926 Spôsob prístupu:

<http://www.combinatorics.org/ojs/index.php/eljc/article/view/v20i2p54/pdf>.

5. GAVUROVÁ, Beáta - HYRÁNEK, Eduard: Determinanty rozvoja jednoduchovej zdravotnej starostlivosti na Slovensku. In: Ekonomický časopis. Roč. 61, č. 2 (2013), s. 134-154. - ISSN 0013-3035
6. VOKOROKOSOVÁ, Renáta - PELLER, František: Credit to Households. What Impacts the Growth in Slovakia? In: Ekonomický časopis. Roč. 61, č. 3 (2013), s. 223-234. - ISSN 0013-3035

15.3 Scientific issues in journals registred in Web of Science or SCOPUS databases

1. ŠOLTÉS, Vincent - RUSNÁKOVÁ, Martina: Hedging Against a Price Drop Using the Inverse Vertical Ratio Put Spread Strategy Formed by Barrier Options. In: Engineering Economics. Vol. 24, no. 1 (2013), p. 18-27. - ISSN 1392-2785
2. SZABO, Zsuzsanna K. - ŠOLTÉS, Michal - HERMAN, Emilia: Innovative Capacity and Performance of Transition Economies: Comparative Study at the Level of Enterprises. In: E+M Ekonomie a Management. Vol. 16, no. 1 (2013), p. 52-68. - ISSN 1212-3609
3. MIRDALA, Rajmund: Lessons Learned from Tax versus Expenditure Based Fiscal Consolidation in the European Transition Economies. In: Journal of Applied Economic Sciences. Vol. 8, no. 1 (2013), p. 73-98. - ISSN 1843-6110
4. ŠOLTÉS, Vincent - GAVUROVÁ, Beáta: Application of the cross impact matrix method in problematic phases of the Balanced Scorecard system in private and public sector. In: Journal of Applied Economic Sciences. Vol. 8, no. 1 (2013), p. 99-119. - ISSN 1843-6110
Spôsob prístupu:
http://www.cesmaa.eu/journals/jaes/jaes_issues.php.
5. BEDNÁR, Peter - BUTKA, Peter - MACH, Marián - FURDÍK, Karol - SABOL, Tomáš - SMATANA, Peter: Integrated Platform for Processing and Traceability of Information within Collaborative Policy Modelling Process in OCOPOMO. In: International Journal of Digital Content Technology and its Applications. Vol. 7, no. 8 (2013),

- p. 865-873. - ISSN 2233-9310 Spôsob prístupu: <http://www.aicit.org/jdcta>.
6. REHÁK, Štefan - HUDEC, Oto - BUČEK, Milan: Path dependency and path plasticity in emerging industries Two cases from Slovakia/ Štefan Rehák, Oto Hudec, Milan Buček- 2013.In: Zeitschrift für Wirtschaftsgeographie. Vol. 57, no. 1-2 (2013), p. 52-66. - ISSN 0044-3751
 7. BUDAJOVÁ, Kristína - CZAP, Július: Facial r-acyclic edge-colorings of plane graphs. In: International Journal of Pure and Applied Mathematics. Vol. 85, no. 1 (2013), p. 141-147. - ISSN 1311-8080 Spôsob prístupu: <http://www.ijpam.eu/contents/2013-85-1/11/11.pdf>.
 8. GLOVA, Jozef: Determinácia systematického rizika kmeňovej akcie v modeli časovo-premenlivého fundamentálneho beta. In: E+M Ekonomie a Management. Vol. 16, no. 2 (2013), p. 138-150. - ISSN 1212-3609
 9. TARTALOVÁ, Alena - SOVIČOVÁ, Tatiana: Analýza príjmovej diferenciacie mužov a žien na Slovensku. In: E+M: Ekonomie a Management. Vol. 16, no. 2 (2013), p. 54-65. - ISSN 1212-3609
 10. MIRDALA, Rajmund: Current Account Adjustments and Real Exchange Rates in European Transition Economies. In: Journal of Applied Economic Sciences. Vol. 8, no. 2 (2013), p. 210-227. - ISBN 1843-6110
 11. CZAP, Július - TUZA, Zsolt: Decompositions of plane graphs under parity constraints given by faces. In: Discussiones Mathematicae Graph Theory. Vol. 33, no. 3 (2013), p. 521-530. - ISSN 2083-5892 Spôsob prístupu: <http://www.discuss.wmie.uz.zgora.pl/gt/>.
 12. CZAP, Július - MIHÓK, Peter: Fractional Q-edge-coloring of graphs. In: Discussiones Mathematicae Graph Theory. Vol. 33, no. 3 (2013), p. 509-519. - ISSN 2083-5892 Spôsob prístupu: <http://www.discuss.wmie.uz.zgora.pl/gt/>.
 13. GLOVA, Jozef: Exponential smoothing technique in correlation structure forecasting of Visegrad country indices. In: Journal of Applied Economic Sciences. Vol. 8, no. 2 (2013), p. 184-190. - ISSN 1843-6110 Spôsob prístupu: http://www.cesmaa.eu/journals/jaes/files/JAES_2013_Summer.pdf.
 14. TKÁČOVÁ, Andrea - BÁNOCIOVÁ, Anna - SINIČÁKOVÁ,

- Marianna: Composite Leading Indicators of Economic Cycles in Poland and Slovakia. In: Journal of Applied Economic Sciences. Vol. 8, no. 2(24) (2013), p. 240-254. - ISSN 1843-6110
15. GORDIAKOVÁ, Zuzana - YOUNIS, Abduhamid M. Ahmed: Proposal of a new guaranteed certificate using exotic options. In: Journal of Applied Economic Sciences. Vol. 8, no. 2 (2013), p. 191-197. - ISSN 1843-6110 Spôsob prístupu: http://www.cesmaa.eu/journals/jaes/files/JAES_2013_Summer.pdf.
16. BÁNOCIOVÁ, Anna - PAVLIKOVÁ, Ľudmila: Application of econometric model in the studies of factors effecting the income tax of legal entity in the Slovak Republic. In: Journal of Applied Economic Sciences. Vol. 8, no. 2(24) (2013), p. 141-153. - ISSN 1843-6110
17. ŽELINSKÝ, Tomáš: Environmentálna Kuznetsova krivka a pozícia Slovenska a Českej republiky v Európskej únii. In: E+M: Ekonomie a Management. Vol. 16, no. 3 (2013), p. 4-19. - ISSN 1212-3609
18. DELINA, Radoslav - PACKOVÁ, Miroslava: Validácia predikčných bankrotových modelov v podmienkach SR. In: E+M Ekonomie a Management. Vol. 16, no. 3 (2013), p. 101-112. - ISSN 1212-3609
19. KOČIŠOVÁ, Kristína: Technical efficiency of top 50 world banks / Kristína Kočišová - 2013. In: Journal of Applied Economic Sciences. Vol. 8, no. 3 (2013), p. 311-322. - ISSN 1843-6110
20. TKÁČOVÁ, Andrea - BÁNOCIOVÁ, Anna: Kompozitný predstihový indikátor hospodárskeho cyklu Slovenska. In: E+M. Ekonomie a management. Vol. 16, no. 3 (2013), p. 34-46. - ISSN 1212-3609
21. BUDAJOVÁ, Kristína - CZAP, Július: M2-edge coloring and maximum matching of graphs. In: International Journal of Pure and Applied Mathematics. Vol. 88, no. 2 (2013), p. 161-167. - ISSN 1311-8080
22. PRÍDAVOK, Mojmír - DELINA, Radoslav: Effective spend management through electronic reverse auction configurations. In: Quality Innovation Prosperity. Roč. 17, č. 1 (2013), s. 1-8. - ISSN 1338-984X Spôsob prístupu: <http://www.qip-journal.eu/index.php/QIP/article/view/151/154>.

15.4 Scientific papers in the international and domestic journals

1. BÁLINT, Tomáš - BUCKO, Jozef: Comparative analysis of handwritten, biometric and digital signature. In: International Review of Social Sciences and Humanities. Vol. 4, no. 2 (2013), p. 43-53. - ISSN 2248-9010
2. HAMUDA, Abdulbaset M. - ŠULIKOVÁ, Veronika - GAZDA, Vladimír - HORVÁTH, Denis: ARDL investment model of Tunisia / Abdulbaset M. Hamuda ... [et al.] - 2013. In: Theoretical and Applied Economics. Vol. 20, no. 2(579) (2013), p. 57-68. - ISSN 1841-8678
Spôsob prístupu: <http://store.ectap.ro/articole/828.pdf>.
3. KYSEĽOVÁ, Viera: Risk Management in Air Transport and Insurance. In: MEST Journal. Vol. 1, no. 1 (2013), p. 113-125. - ISSN 2334-7058
Spôsob prístupu: http://mest.meste.org/MEST_1_2013/_12.pdf.
4. PROCHÁDZKOVÁ, Martina - HUDEC, Oto: Podnikové výdavky na výskum a vývoj ako súčasť inovačnej kapacity v podmienkach konkurujúcich si odvetví. In: Trendy ekonomiky a managementu. Vol. 7, no. 13 (2013), p. 31-42. - ISSN 1802-8527
5. KUZMIŠIN, Peter - KUZMIŠINOVÁ, Viera: International Business Environment in the Context of Globalization Processes and Criteria of Competitiveness. In: Naukový visnyk: Užhorodskoho universytetu: seria Ekonomika. Vol. 40, no. 3 (2013), p. 252-257. - ISSN 0869-0782
6. LALIĆ, Marko - GORDIAKOVÁ, Zuzana - RUSNÁKOVÁ, Martina: Deriváty na počasie. In: International Scientific Herald. Vol. 6, no. 25 (2013), p. 124-133. - ISSN 2218-5348
7. PAVLIČKOVÁ, Viera: The Competitiveness of Slovak Foreign Trade in the European Market. In: Economic Annals. Vol. 58, no. 196 (2013), p. 7-49. - ISSN 0013-3264
8. ŠOLTĚS, Vincent - PALAŠČÁKOVÁ, Daniela: Inovacionna strategija Slovaččyny ta inovacijnyj potencial vyščych škil v umovach buduvanňa ekonomiky znaň. In: International Scientific Herald. Vol. 6, no. 25 (2013), p. 101-108. - ISSN 2218-5348
9. RAISOVÁ, Manuela - ĎURČOVÁ, Júlia: Quality Management System in Small and Medium-Sized Enterprises in Presov Region. In:

- Erenet Profile. Vol. 8, no. 2 (2013), p. 20-32. - ISSN 1789-624X
Spôsob prístupu: www.erenet.org.
10. DUGASOVÁ, Barbora - BARTOKOVÁ, Ludmila: E-Learning - The Opportunity for SMEs. In: Erenet Profile. Vol. 8, no. 2 (2013), p. 33-43. - ISSN 1789-624X Spôsob prístupu: www.erenet.org.
 11. ŠEBOVÁ, Miriam - DŽUPKA, Peter: Meranie ekonomického a finančného vplyvu majstrovstiev sveta v hokeji 2011 na mesto Košice. In: E+M Ekonomie a Management. Vol. 16, no. 2 (2013), p. 41-53. - ISSN 1212-3609
 12. PAVLIČKOVÁ, Viera - URBANOVIČOVÁ, Michaela: Does Monetary Policy Affect Competitiveness of the Slovak Republic? In: Acta academica karviniensia. Vol. 13, no. 3 (2013), p. 157-166. - ISSN 1212-415X Spôsob prístupu: http://www.slu.cz/opf/cz/informace/acta-academica-karviniensia/casopisy-aak/aak-rocnik-2013/docs-3-2013/Pavlickova_Urbanovicova.pdf.
 13. DELINA, Radoslav - SVOCÁKOVÁ, Soňa: Dôvera segmentu mladých ľudí v bankový sektor SR. In: Scientific Papers of the University of Pardubice: Series D. Vol. 20, no. 27 (2013), p. 34-46. - ISSN 1211-555X
 14. GAVUROVÁ, Beáta - KLEPÁKOVÁ, Adela - IVANČOVÁ, Ladislava: Day Surgery Development Aspects in Slovakia. In: Estudios de Economía Aplicada. - Spain: Estudios de Economía Aplicada, 2013 Vol. 31-2 (2013), p. 477-496. - ISSN 1133-3197
 15. KOVÁČ, Štefan - ŽELINSKÝ, Tomáš: Determinants of the Slovak Enterprises Profitability: Quantile Regression Approach. In: Statistika: Statistics and Economy Journal. Vol. 93, no. 3 (2013), p. 41-55. - ISSN 1804-8765 Spôsob prístupu: <http://www.czso.cz/csu/2013edicniplan.nsf/engp/1802-13>.
 16. MIRDALA, Rajmund: Fiscal Imbalances and Current Account Adjustments in the European Transition Economies. In: Journal of Applied Economic Sciences. Vol. 8 no. 3 (25) (2013), p. 323-352. - ISSN 1843-6110
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Fig. 10: St. Elisabeth Cathedral in Košice