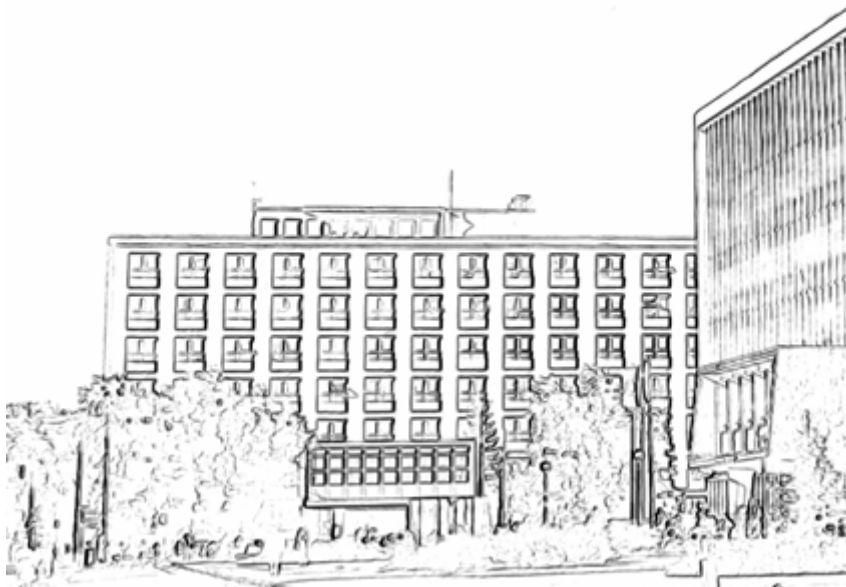


Technical University of Košice  
**Faculty of Economics**



**ANNUAL REPORT  
2012**





Technical University of Košice

**Faculty of Economics**

**ANNUAL REPORT**  
**2012**



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## 1 FOREWORD

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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 2012, which was another successful year in the Faculty history. In 2012 the Faculty celebrated 20<sup>th</sup> anniversary of its establishment. 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 2012 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.arra.sk](http://www.arra.sk)). In 2012 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

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## 2 BACKGROUND

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The Faculty of Economics was established in 1992 within the process of transformation of the Technical University of Kosice 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 graduates in the field of finance, investments, and banking. The Faculty is following current trends in development towards Knowledge economy and Information society, focussing also on 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: Main building of the Technical University of Košice

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### 3 FACULTY MANAGEMENT

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## 4 DEPARTMENTS

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The Faculty of Economics has five departments.

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### 4.1 Department of Economic Theories

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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](mailto:Peter.Kuzmisin@tuke.sk)

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### 4.2 Department of Finance

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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

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### **4.3 Department of Banking and Investment**

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The Department's research activities are focused on analysis of foreign direct investments, banking, actuarial science, business process measuring, e-business, trust building and applications of information technologies in SMEs and public sector (eBusiness, eProcurement, eGovernment etc.). 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

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### **4.4 Department of Regional Science and Management**

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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

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## 4.5 Department of Applied Mathematics and Business Informatics

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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 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

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## **5 RESEARCH PRIORITIES**

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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

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## 6 RESEARCH PROJECTS

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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 7<sup>th</sup> Framework Programme;
- Grant agencies in the Slovak Republic: the Scientific Grant Agency (VEGA), Agency for Support of Research and Development (APVV) etc.

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### 6.1 International R&D Projects

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<i>Title:</i>	<b>Open Collaboration in Policy Modelling</b>
<i>Acronym:</i>	<b>OCOPOMO</b>
<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, Michal Šoltés, Peter Butka, Peter Bednár
<i>Duration:</i>	2010 – 2013
<i>Website:</i>	<a href="http://www.ocopomo.eu/">http://www.ocopomo.eu/</a>

#### **The main objectives:**

OCOPOMO addresses two levels of scientific and technological advancements:

- socio-political: to formulate, model, evaluate and monitor social and economic policies of governments, which are supported by 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 focuses 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 2012 this expanded approach was tested within the first trial on two pilot applications within 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 the ICT platform, providing support for the OCOPOMO approach, has been finalised.

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<i>Project title:</i>	<b>Enabling Business-based Internet of Things and Services – An Interoperability platform for a real-world populated Internet of Things domain</b>
<i>Acronym:</i>	<b>ebbits</b>
<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, Ján Hreňo, Jozef Glova, Viliam Vajda
<i>Duration:</i>	2010 – 2014
<i>Website:</i>	<a href="http://www.ebbits-project.eu">http://www.ebbits-project.eu</a>

**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 first version of the ebbits platform has been developed and tested. The platform was demonstrated during the project review. The demonstration showed the manufacturing domain using a real manufacturing robot. The ebbits enabled robot provided energy and water consumption monitoring, malfunction detection and semi automatic maintenance. In 2012 the project was more focused on the manufacturing domain, but a food traceability scenario was also prepared, which will be developed within the next project year and will be demonstrated on a real life case.

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<i>Title:</i>	<b>Occupant Aware, Intelligent and Adaptive Enterprise Adapt4EE</b>
<i>Acronym:</i>	<b>Adapt4EE</b>
<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>	Peter Kostelník, Tomas Sabol
<i>Duration:</i>	2011 – 2014
<i>Website:</i>	<a href="http://www.adapt4ee-project.eu/">http://www.adapt4ee-project.eu/</a>

### **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.

Key performance indicators and a common information model were defined in 2012. Key performance indicators are values that sufficiently describe the performance of the building, combining its energy consumption, business performance, and occupant comfort. These indicators can be used to clearly overview or compare the performance of any building. The common information model developed within the project is a model that can be used to describe all values and structures exchanged between modules of the future Adapt4EE platform. It also serves as a common vocabulary for the information exchange within the platform. The Adapt4EE platform architecture was also proposed and will be further developed within the project.

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<i>Project Title:</i>	<b>Knowledge-Enabled Access of Central Europe SMEs to Efficient Trans-national Transport Solutions</b>
<i>Acronym:</i>	<b>KASSETTS</b>
<i>Supported by:</i>	European Commission, Central Europe Programme
<i>Contract Number:</i>	1CE036P2
<i>Local Coordinator:</i>	Viliam Vajda
<i>Associated Faculty:</i>	Radoslav Delina, Radovan Dráb, František Janke, Michal Tkáč

*Duration:* 2008 – 2012  
*Website:* <http://www.kassetts.eu>

**Project description:**

KASSETTS project responds to the need for ICT tools to help manufacturing companies, in particular SMEs, to optimise their trans-national logistic traffics. The project consortium consists of partners, mostly associations providing services to SMEs, from Italy, Poland, Slovenia, Germany, Hungary, Slovakia and Czech Republic. The KASSETTS regions strongly base their future development on SMEs systems and their trans-national trade relations. Transport, logistics and related ICT services play a fundamental role for SMEs since they represent strategic leverages on Central Europe market, integrated into procurement and distribution chains. Nevertheless, Logistics management of EU SMEs is far from being optimal and SMEs can hardly access optimised transnational transport solutions because of:

- Small shipping and low frequency of their transports, generating a scattered transport demand and producing a large number of non-saturated running vehicles and low use of inter-modal transport (with increasing transport emissions);
- Their low level of ICT endowment, limiting their accessibility to logistic supply.

KASSETTS intends to solve these problems by creating a stable EU operative ICT network of logistics brokers, based on open source policy, in which every broker is a joint logistic office among SMEs that: daily collects manufacturing SMEs transport orders with interfaces to their IT systems; aggregates (critical mass) and optimises SMEs demand in terms of vehicles routes and transport means use at regional and transnational level in dynamic combination with other similar brokers; plans optimal logistics transnational chains on the base of destinations/quantity/timing of shipping of different local groups of manufacturing SMEs; interfaces this optimised demand to logistics operators (road & intermodal). The broker is neither a new logistic operator nor a 4PL, but improves supply-demand relations of the involved companies, fosters logistics outsource and helps operators in having an organised demand.

In the second project year the Faculty of Economics was responsible especially for dissemination and communication plan development and for dissemination activities. The platform for logistic brokers was internally tested, a new version of the platform was developed, routes and logistic events were planned. The last phase of the project aims at national and international pilot testing. The international pilot action is focused to plan logistic activities with Hungary and Italy.

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<i>Project Title:</i>	<b>Empowering Business Ecosystems of Small Service Enterprises to Face the Economic Crisis</b>
<i>Acronym:</i>	<b>eBEST</b>
<i>Contract Number:</i>	FP7-SME-2008-2-243554
<i>Supported by:</i>	European Commission, FP7
<i>Coordinator:</i>	CNA Associazione Provinciale di Modena
<i>Local Coordinator:</i>	Radoslav Delina
<i>Associated Faculty:</i>	Viliam Vajda, Radovan Dráb, Michal Tkáč, František Janke
<i>Duration:</i>	2010 – 2012
<i>Website:</i>	<a href="http://www.ebest.eu/">http://www.ebest.eu/</a>

**Project description:**

The eBEST project addresses small companies (typically with less than 50 employees) providing services to other businesses, often by means of subcontracting, in different industrial sectors. In general, the intended service companies perform added-value activities in the intermediate phases of the value chain and/or in the repair and maintenance phases.

The eBEST project strategic objective is to set-up, experiment and promotes the adoption of new collaboration practices within business ecosystem and across the ecosystem borders, taking advantage of a shared knowledge, an agreed corpus or rules and codes of practice, and a suite of ICT tools to support the intended ecosystem dynamics.

The eBEST project operational objectives are:

- Presenting worldwide the offer of single service companies, and the integrated offer of the ecosystem as a whole, by exploiting sectoral and multilingual ontologies and taxonomies;
- Adopting trust-building mechanisms, codes of practice, work assignment rules and performance evaluation criteria to guide fair competition of the target companies;
- Providing the target companies with easily accessible ICT applications and services to enable distributed resource planning and collaboration within and between ecosystems;
- Experimenting and improving in real-life conditions, the functional coverage, and user acceptance of the proposed approach, methodology and ICT functions;

- Deploying the project results to the largest audience, to reach a critical mass of user companies in the shortest possible time after the project completion.

The Faculty staffs are responsible for trust building mechanisms proposition and model for the eBEST platform, standard taxonomies development, and the information and business documents exchange within the ecosystems and with the external world. The aim is to constitute a knowledge base of concepts and multilingual vocabulary. In 2012 pilot applications were successfully executed and evaluated. Together, the final review was successful and project was closed in July.

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<i>Project title:</i>	<b>Urban Sensing through User Generated Contents</b>
<i>Acronym:</i>	<b>Urban-Sensing</b>
<i>Contract Number:</i>	FP7- 314887
<i>Supported by:</i>	European Commission, FP7
<i>Local Coordinator:</i>	Jan Paralic
<i>Associated Faculty:</i>	Peter Bednar, Peter Koncz, Tomas Sabol, Marian Mach
<i>Duration:</i>	2012 – 2014

### **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 has been adopted, but a 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.

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<i>Project title:</i>	<b>The Cross Border Knowledge Bridge in the Renewable Energy Sources Cluster in the East Slovakia and North Hungary</b>
<i>Acronym:</i>	<b>KNOWBRIDGE</b>
<i>Contract Number:</i>	229747
<i>Supported by:</i>	European Commission, FP7
<i>Local Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Nataša Urbančíková, Peter Burger, Peter Džupka, Ladislav Suhányi
<i>Duration:</i>	2009 – 2012
<i>Website:</i>	<a href="http://www.knowbridge.eu/">http://www.knowbridge.eu/</a>

### **The main objectives:**

The main objective of the KNOWBRIDGE project is to increase the capacity and to strengthen the research potential of two cross border and convergence regions (Košice self-governing region in Slovakia and Borsod-Abaúj-Zemplén region in Hungary) by supporting the development of new innovative cross border research-driven cluster in the area of Renewable Energy Sources (RES) and associating research entities, enterprises and regional authorities.

KNOWBRIDGE project specific objectives are:

- to develop Joint Action Plan (JAP) for cross border research driven cluster in order to increase regional economic competitiveness through research and technological development activities in the area of RES in cross-border context;
- to foster cross border cooperation and to increase the overall capacities of regional players in Northern Hungary and Eastern Slovakia by enhancing science and technology based development in cross-border context;
- to maximise the benefits of research infrastructures for cross-border and regional economic development;
- to improve links and enhance common partnership of regional authorities, research entities and business community in national and European initiatives in two cross-border regions;

- to promote development of specific goals for regional and cross-border RTD policies;
- to exploit synergy between regional, national and Community programmes for research and economic development in cross-border environment and to maximise the potential for a successful involvement of regional actors in European research projects;
- to enhance trans-national, including cross-border and inter-regional mutual learning of regional actors in developing research driven clusters;
- to mentor regions with a less developed research profile by more experienced partners through mutual exchange of experience and best practices;
- to promote reduction of CO2 emissions in two cross-border regions.

### **Project description:**

The KNOWBRIDGE project deals particularly with two border administrative regions – Košice self-governing region in Slovakia and Borsod-Abaúj-Zemplén region in Hungary, although considered in the larger territorial perspective as a part of Eastern Slovakia and North-Eastern Hungary. These two regions have very strong economic, social and geographical links. They are facing the same challenges in the field of competitiveness and innovation as well and have the intention to cooperate with the aim of economic development acceleration.

During the 2012 the JAP and Business Plan for future clusters in the area of RES were prepared.

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<i>Project title:</i>	<b>Central European Living Lab for Territorial Innovation</b>
<i>Acronym:</i>	<b>Centralab</b>
<i>Contract Number:</i>	3CE400P1
<i>Coordinator:</i>	Viliam Vajda
<i>Associated Faculty:</i>	Radoslav Delina, Michal Tkáč, František Janke, Martina Lučkaničová, Mojmír Prídavok,
<i>Duration:</i>	2011 – 2013

### **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". In this model,



technology R&D brings infrastructures into real-life contexts to enable a "co-design" process with end users. Several workshops with end users meetings with policy working group were organized in 2012. In 2012, also the pilot in Slovak Living Lab approach was started on the base of our established municipalities network.

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<i>Project title:</i>	<b>Integrating Active, Flexible and Responsive Tertiary Prosumers into a Smart Distribution Grid</b>
<i>Acronym:</i>	<b>INERTIA</b>
<i>Contract Number:</i>	FP7-318216
<i>Supported by:</i>	European Commission, FP7
<i>Local Coordinator:</i>	Marian Mach
<i>Associated Faculty:</i>	Marek Skokan, Peter Kostelnik, Tomas Sabol
<i>Duration:</i>	2012 – 2015
<i>Website:</i>	

### **Project description:**

INERTIA will introduce the Internet of Things/Services principles to the Distribution Grid Control and Demand Side Management (DSM) Operations. It will provide 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 will address the present “structural inertia” of DG by introducing more active elements combined with the necessary control and distributed coordination mechanisms.

The project will promote the efficient integration of flexible demand with distributed generation within the smart grid as the mean to tackle the problems resulting from the continuous and massive integration of distributed intermittent and non-controllable renewable sources.

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<i>Project Title:</i>	<b>An Evaluation of the Management of the Information Systems and Technologies in Hospitals” (GESITI-Hospitals): The Region of the Technical University of Košice, Slovakia.</b>
<i>Acronym:</i>	GESITI Project
<i>Supported by:</i>	DTSD - CTI/MCT-Brazil (without financial contribution from external source)
<i>Local Coordinator:</i>	Beata Gavurová
<i>Associated Faculty:</i>	Vincent Šoltés, Viera Pavličková

*Duration:* 2011 – 2012

**Project description:**

Currently the research is being carried out by nineteen universities: sixteen Brazilian, one Mexican, one Argentina and one Portuguese. An important initial result of this research work, which makes use of the Interpretative (or Introspective) Methodology, has been the generation in Brazil of an unprecedented database regarding hospital management and, from which several important information is extracted. From each local information, obtained via Local Research Reports (LRR) where the research has been carried out (each local includes the average of results obtained in five (5) hospitals); it becomes possible to undertake local decision making. However, the main purpose of the project is the preparation, based on the integration of all LRR, of an IRR/RRR for national decision-making support. For a better decision-making on issues of interest to managers regarding the better efficiency and effectiveness of hospital management, public and/or private, the IRR/RRR will also present an integrated comparative analyzes based on all LRR (from Brazil & Abroad). Although it has not been directly mentioned, the final result, ultimate, from the research should be a significant improvement on the hospital management and on the decision-making process. These results must reflect on peoples more satisfied regarding a better health care. This is a win-win project, since it is good for Brazil and good for all countries involved. The goal is to reach about one hundred (100) universities (local coordinators) involved.

*Project title:* **Intellectual Capital as an Incentive to the Information Society Development**

*Acronym:* **IKRIS**

*Contract Number:* 4088/B/H03/2011/40

*Supported by:* Narodowe Centrum Nauki, without financial contribution from external source.

*Local Coordinator:* Manuela Raisová

*Associated Faculty:* Edita Farkašová, Peter Kuzmišin, Ľudmila Bartóková, Barbora Dugasová, Júlia Ďurčová, Daniela Petriková

*Duration:* 2011 – 2012

*Website:* <http://www.ekf.tuke.sk/ikris/>

**Project description:**

The goal of the project is to prepare a methodology for quantification of intellectual capital in enterprises of Podkarpatsko region. It also aimed at creation of incentives that may possibly increase the effectiveness of capital use

by the subjects of current information society. In case of Slovakia, the research was carried out for region of Prešov.

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## 6.2 National R&D Projects

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<i>Project title:</i>	<b>Stock Market Reaction to IT Investments: Evidence from the Visegrád Countries</b>
<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, Michal Tkáč, Tomáš Bálint
<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.

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<i>Project title:</i>	<b>Building of Multimedia Classroom to Support Distance Forms of Education Focused on Key Competences Emphasising Entrepreneurial Skills</b>
<i>Contract Number:</i>	035TUKE-4/2012
<i>Coordinator:</i>	Peter Kuzmišin
<i>Duration:</i>	2012 – 2014

### **Project description:**

Project results were evaluated in the scope of three basic goals: multimedia classroom, researches of the labor market and communication to present results. Multimedia classroom was prepared for the first stage, which took into consideration technical needs and budget constraints; the asset was controlled,

tested and accepted for use (in accordance to protocol, certificates, manual and technical documentation).

Two questionnaires were prepared for the researches of the labor market as for the needs required from graduates of universities. The questions were focused on both entrepreneurship and skills. In general the results of questionnaires were setting up several input information for preparation of modules and materials of education in distance course planned for 2013. This stage also included publishing of reviewed proceedings (ISBN: 978-80-553-1214-9).

Communication and publicity of the project was emphasized by workshop No. 1, which allowed presentation of actual results. All information is continuously updated at web-page: <http://www3.ekf.tuke.sk/mupoz/> , which was established specially for the project purposes.

Continuous report for 2012 was evaluated positively by Ministry of Education SR and this suggested following financing of next stage of the project realization.

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<i>Project title:</i>	<b>Spatial Distribution of Poverty in the European Union</b>
<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>	Oto Hudec, Alena Tartaľová, Tatiana Sorokova, Daniela Petrikova, Veronika Cernakova
<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. Several publications focused on the position of Slovakia in the European Union from the viewpoint of poverty and inequalities have been published so far. Preliminary project results have been published at national and international conferences. Scientific project conference was organised in Herlany in September 2012. 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).

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<i>Project title:</i>	<b>Monetary Rules and Their Importance in the Context of Monetary Union and Economic Crisis</b>
<i>Contract Number:</i>	VEGA 1/0973/11
<i>Coordinator:</i>	Marianna Siničáková
<i>Associated Faculty:</i>	Rajmund Mirdala, Emília Jakubíková, Lenka Maličká, Júlia Ďurčová, Ľudmila Bartóková, Marek Gróf, Viera Pavličková, Marcel Rešovský, Veronika Šulíková
<i>Duration:</i>	2011 – 2013

**Project description:**

The aim of the VEGA project is to propose a convenient monetary policy rule in the respect to the particularities of the European Monetary Union and Economic Crisis. Possibilities and importance of monetary rules application in the European countries were analysed with focus on Slovakia during the first year of research. Eventual failures of monetary rules especially the Taylor one were described. A monetary rule convenient for the Slovak Republic was quantified and tested. Inflation transmission process within chosen European countries was estimated taking into consideration effects of economic crisis. Outcomes were published in several scientific journals and conference proceedings.

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<i>Project title:</i>	<b>Ethic Manager Summer School</b>
<i>Contract Number:</i>	EIP EM 2012- LE HAVRE
<i>Local Coordinator:</i>	Vladimír Gazda
<i>Associated Faculty:</i>	Marianna Siničáková, Lenka Maličká, Marcel Rešovský
<i>Duration:</i>	2012

**Project description:**

The aim of the project was to enhance students' knowledge in the field of ethical management in the international environment. Summer school courses were organised by the Ecole de Management in Le Havre in cooperation with

nine European Universities. Six students and four teachers from the Faculty of Economics, Technical University of Košice were successfully involved in the project.

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<i>Project title:</i>	<b>Strategic Interactions of Local Governments in the SR in Tax – setting</b>
<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.

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<i>Project title:</i>	<b>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</b>
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0622/12

*Coordinator:* Daniel Klimovský  
*Associated Faculty:* Miriam Šebová  
*Duration:* 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.

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

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<i>Project title:</i>	<b>Creative Economy - Economic and Regional Conditions and Incentives (KRENAR)</b>
<i>Supported by:</i>	APVV
<i>Local coordinator:</i>	Oto Hudec
<i>Associated faculty:</i>	Peter Džupka, Peter Burger, Miriam Sebova, Iveta Korobanicova, Slávka Klasova, 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.

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<i>Project title:</i>	<b>Proposal of the Performance Measurement System in the Medical Institutions in the Slovak Republic and Implementation of the Performance Metrics.</b>
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	1/1050/12
<i>Coordinator:</i>	Beata Gavurová
<i>Associated Faculty:</i>	Delina Radoslav, Tkáč Michal, Janke František, Pavličková Viera
<i>Duration:</i>	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.

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### **6.3 Project proposals submitted and accepted for funding**

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During the year 2012 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 2013:

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<i>Project title:</i>	<b>Analysis of the Fundamental Information Impact on the Spot Prices of Major Currencies</b>
<i>Contract Number:</i>	1/0795/13
<i>Coordinator:</i>	Viliam Vajda
<i>Duration:</i>	2013 – 2015

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<i>Project title:</i>	<b>The Level of Clusters' Financing in the European Countries and the Potential Opportunities to Increase their Support in Slovakia</b>
<i>Contract Number:</i>	1/0506/13
<i>Coordinator:</i>	Peter Burger
<i>Duration:</i>	2013 – 2014

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<i>Project title:</i>	<b>Performance and Efficiency Measurement in Health Care Institutions in Slovakia</b>
<i>Contract Number:</i>	1/0799/13
<i>Coordinator:</i>	Jozef Glova
<i>Duration:</i>	2013 – 2014

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<i>Project title:</i>	<b>Economic Crisis and Economic and Monetary Union Member Countries in perspective of the Theory of Optimum Currency Area</b>
<i>Contract Number:</i>	1/0892/13
<i>Coordinator:</i>	Rajmund Mirdala
<i>Duration:</i>	2013 – 2015

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<i>Project title:</i>	<b>The Status of Universities in the Development of Creative Industries</b>
<i>Contract Number:</i>	1/0759/13
<i>Coordinator:</i>	Peter Dzapka
<i>Duration:</i>	2013 – 2014

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## **6.4 Research Activities of Students**

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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.

Winners of the Faculty round of ŠVOČ in 2012:

- 1<sup>st</sup> place: Bc. Petronela Bodnárová - Household savings in OECD countries and Slovakia;
- 2<sup>nd</sup> place: Bc. Gabriela Janitorová Gabriela, Bc. Peter Hurtuk - Problems of higher education in Slovakia. Studying at university - Yes or No?
- 3<sup>rd</sup> place: Tomáš Palai Tomáš - Comparison of the economic level of EU countries on the basis of alternative indicators ;
- 3<sup>rd</sup> place: Bc. Peter Tomko - The use of cluster analysis and imaging in recurrent non-stationary time series analysis.

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

- 2<sup>nd</sup> place Bc. Lukaš Buček - 18<sup>th</sup> 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: Shortcomings in Minimum Wage Comparisons;
- 2<sup>nd</sup> place Milan Bartoš - 9<sup>th</sup> volume of the students' research works competition organized by University of Alexander Dubček in Trenčín -

Section of Economic Policy, thesis: Minimum Wage and Unemployment;

- 1<sup>st</sup> place Bc. Jozef Lukča - 8<sup>th</sup> volume of the students' research works competition organized by College of Economics and Public Governance in Bratislava - Section for Master Degree Students, thesis: Effects of Monetary Policy to Commercial Loans.

Five students of the Faculty participated in the national scientific seminar "Computational Statistics 2012" organised by the Slovak Statistical and Demographic Society in cooperation with the Club Dispersus in Bratislava on December 6, 2012. The first and the second places were won by the faculty students, presenting the following papers:

- 1<sup>st</sup> place: Bc. Štefan Kováč - Econometric Analysis of Profitability of the Slovak Enterprises;
- 2<sup>nd</sup> place: Bc. Michal Guľaš - Living Standard in the Counties of Slovakia.

Conference proceedings can be found on the following web page:

<http://www.ssds.sk/publikacie/Vs2012mlad.pdf>

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## 7 STUDY PROGRAMMES

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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. Also PhD study programme is 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 893 full-time and 233 part-time bachelor- and master-level students, and 33 internal and 27 external PhD students study at the Faculty.



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

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## **8 FURTHER PROFESSIONAL EDUCATION AND CONSULTATION SERVICES**

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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.

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## 9 EDUCATIONAL, MOBILITY AND OTHER PROJECTS

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### 9.1 International Educational Projects

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<i>Project Title:</i>	<b>Cross Border Training of Economics Experts in Distance Learning Network</b>
<i>Acronym:</i>	<b>CROSSEDU</b>
<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 Soltés, Manuela Raisová, Daniela Palaščáková, Helena Šimková, Radoslav Bajus, Anna Banociová
<i>Duration:</i>	2012 – 2013

#### **Project description:**

The project aim is 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 will be educated by distance learning methodology altogether with other special courses. The special education deals with three main areas: Regional and local development, European entrepreneurship and Management.

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<i>Project title:</i>	<b>Quality Assurance for Society-oriented Education, Research and Development</b>
<i>Acronym:</i>	<b>QASERD</b>
<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 is 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 will contribute to equal opportunities, sustainable development and territorial cohesion between Ukraine and Slovak Republic. The Action will help to reorganize management systems by ensuring centralized, structured and properly recorded management, record keeping and other necessary procedures.

Specific objectives are:

- Obtaining best practice of quality assurance at higher education and research establishments, which will ensure close collaboration in such spheres as education, science and management.

- Introduction quality management system at higher education and research establishments Training staff of higher education and research establishments about quality management system and quality assurance at higher education and research;

- Establishment of an open cross-border network of excellence in quality for educational and research institutions It is intended to strengthen quality assurance of partnership institutions in the Ukrainian region and to enhance cooperation between similar bodies in other regional and international organisations.

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<i>Project title:</i>	<b>Opening Doors for Cross Border Clusters in</b>
<b>Slovakia and Ukraine</b>	
<i>Acronym:</i>	<b>CLUSTERING</b>
<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>	<a href="http://www.clustering-project.eu">www.clustering-project.eu</a>

### **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.

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<i>Project Title:</i>	<b>A Knowledge Generating House and e-Assessment Model</b>
<i>Acronym:</i>	<b>OpenInn</b>
<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 Paľová
<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 will 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 will be on the OpenInn portal in nine languages (EN, DE, SK, PT, IT, HU, ES, DA, BG).

OpenInn aims 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 will be 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 will be important not only for enhancing creativity and self-realization but for creating new R&D knowledge in the future.

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

*Associated Faculty:* Anna Bánociová, Jozef Bucko, Ján Buleca, Ivana Gerhartová, Emília Jakubíková, Dana Paľová, Tomáš Sabol, Vincent Šoltés, Radoslav Tušan, Martin Vejačka,

*Duration:* 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 will be 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.

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<i>Project Title:</i>	<b>Building a global multidisciplinary digital governance and policy modelling research and practice community</b>
<i>Acronym:</i>	<b>eGovPoliNet</b>
<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>	Viliam Vajda, Peter Dzubka, Marián Mach
<i>Duration:</i>	2011 – 2013
<i>Website:</i>	<a href="http://www.policy-project.eu/">http://www.policy-project.eu/</a>

### **The project objectives:**

- To establish a global multi-disciplinary digital participation, governance and policy modelling research and practice community
- To achieve a lasting integration of currently fragmented research in the covered areas

- To stimulate joint research and practice in the covered areas
- To 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.

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<i>Project Title:</i>	<b>Innovative Development of European Areas by Fostering Transnational Knowledge Development IDEA</b>
<i>Acronym:</i>	<b>IDEA</b>
<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 Kolářková
<i>Duration:</i>	2010 – 2013

**Project description:**

The main objective of the IDEA project is 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 2012 will be new sustainable strategies for improving human resources and knowledge development and wide range of concrete solutions created by pilot actions, e.g. career guidance, study guidance, gender mainstreaming, creating relations between educational system and economy.

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<i>Project Title:</i>	<b>Policy Making and Politics at the Local Level</b>
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<i>Acronym:</i>	<b>POL-LOC</b>
<i>Contract Number:</i>	IP-11203-1673/KOSICE03
<i>Supported by:</i>	Erasmus – Intensive Programmes
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šebová, Radoslav Blahovec
<i>Duration:</i>	2011 – 2012

**Project description:**

The project POL-LOC is aimed at politics and policy making at the local level. There is a lack of both educational and research interests in this field in the CEE countries (i.e. also in Slovakia) if one compares them with for instance Western Europe or USA. The main project outcomes are summer schools for postgraduates and young teachers who deal with local politics or local policy making, and educational materials that are aimed at the mentioned topic. These outcomes should lead to multilateral exchange of related knowledge and experience between the participants of summer schools as well as universities.

In total 43 students and 18 young teachers from 20 universities (from 16 European countries) took part through this project in the “2<sup>nd</sup> POL-LOC Summer School: Policy Making and Politics at the Local Level: East/West experience in comparative perspective” that was held in Košice, from 1-15 July 2012.

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<i>Project Title:</i>	<b>Policy Making and Politics at the Local Level</b>
<i>Acronym:</i>	<b>POL-LOC</b>
<i>Contract Number:</i>	IP-12203-0916/KOSICE03
<i>Supported by:</i>	Erasmus – Intensive Programmes
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šebová, Radoslav Blahovec
<i>Duration:</i>	2012 – 2013

**Project description:**

The project POL-LOC is aimed at politics and policy making at the local level. There is a lack of both educational and research interests in this field in the CEE countries (i.e. also in Slovakia) if one compares them with for instance Western Europe or USA. The main project outcomes are summer schools for postgraduates and young teachers who deal with local politics or local policy making, and educational materials that are aimed at the mentioned topic. These outcomes should lead to multilateral exchange of related knowledge and experience between the participants of summer schools as well as universities.

It is expected that 45 students and 15 young teachers from ca 16 European countries will take part through this project in the “3<sup>rd</sup> POL-LOC Summer

School: Policy Making and Politics at the Local Level: Present and future challenges of local governments” that will be held in Košice, from 7-21 July 2013.

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<i>Project title:</i>	<b>Turning to Silver Challenge into the Golden Opportunity</b>
<i>Acronym:</i>	<b>SIGOLD</b>
<i>Contract Number:</i>	510629-LLP-1-2010-SK-Gruntvig-GMP
<i>Coordinator:</i>	Nataša Urbančíková
<i>Associated faculty:</i>	Iveta Korobaničová
<i>Duration:</i>	2011 – 2013

### **Project description:**

Within the SIGOLD project we had investigated the situation of 50+ workers in the labor market and this age group in companies, and education and training methods used. We prepared The State of the arts and needs analysis report – SOTANA. It is consist of two parts: state of the arts and needs analysis. Based on the in 5 project partner countries (Slovakia, Cyprus, UK, Austria, Greece) findings the blended courses for 50+workers, HRD managers and educators are preparing and will be tested in four languages – English, Slovak, German, and Greek. Project activities will also contribute 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, social services providers. We prepared the leaflets about the aims of the project, target groups and basic information about it, the dissemination and exploitation plan.

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<i>Project title:</i>	<b>Policy Making and Politics at the Local Level: V4 Countries and other CEE Countries in Comparative Perspective</b>
<i>Acronym:</i>	<b>POL-LOC</b>
<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:**

"2<sup>nd</sup> POL-LOC Summer School: Policy Making and Politics at the Local Level: East/West experience in comparative perspective" that was held in Košice, from 1-15 July 2012 was organized through this project. In total 43 students and 18 young teachers from 20 universities (from 16 European countries) took part in the above mentioned event. Participation of those who came from the V4 countries was supported by the project. One of the main objectives of the summer school was to strengthen the interdisciplinary nature of local policy making and politics study by creating an agora for exchanging knowledge and experience between participants with different academic background (economics, law, human geography, political science, sociology, public administration, management).

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<i>Project title:</i>	<b>2<sup>nd</sup> POL-LOC Summer School</b>
<i>Acronym:</i>	<b>POL-LOC</b>
<i>Contract Number:</i>	1005.003-12
<i>Supported by:</i>	Central European Initiative – CEI University Network
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriám Šebová
<i>Duration:</i>	2012

**Project description:**

"2<sup>nd</sup> POL-LOC Summer School: Policy Making and Politics at the Local Level: East/West experience in comparative perspective" that was held in Košice, from 1-15 July 2012 was organized through this project. In total 43 students and 18 young teachers from 20 universities (from 16 European countries) took part in the above mentioned event. Participation of those who came from selected CEI countries was supported by the project.

One of the main objectives of the summer school was to strengthen the interdisciplinary nature of local policy making and politics study by creating an agora for exchanging knowledge and experience between participants with different academic background (economics, law, human geography, political science, sociology, public administration, management).

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## 9.2 National educational projects and Developmental activities

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<i>Project Title:</i>	<b>Package of Innovative Elements Linked to the Educational Reform at the Technical University of Košice</b>
<i>Contract Number:</i>	ITMS 26110230018
<i>Supported by:</i>	ASFUE
<i>Local Coordinator:</i>	Vincent Šoltés
<i>Associated Faculty:</i>	Dana Pařová, Marianna Siničáková, Jozef Bucko, Lenka Maličká, Ľudmila Bartóková, Matúš Kubák, Zuzana Maliková, Manuela Raisová, Libuša Réveszová, Alena Tartařová, Tatiana Soroková, Daniel Klimovský, Helena Šimková, Emília Krajňáková, Edita Farkašová, Martin Vejačka
<i>Duration:</i>	2010 – 2012

### **Project description:**

The aim of the project at the Faculty of Economics is to enhance e-learning educational process for external students and students enrolled in the double diploma French study programme at Master level. The results of the project will be e-learning textbooks and web-based e-learning courses for the target student groups.

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<i>Project Title:</i>	<b>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</b>
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*Project manager:* Dana Pařová, [Dana.Palova@tuke.sk](mailto:Dana.Palova@tuke.sk)

*Project implementation period:* May 2003 – August 2013

### **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,



- Implementation and realization of blended learning (a combination of the face-to-face study supplemented with a distance education component) using LMS Moodle.

Project timetable for the years 2012-2013:

Title	Start date	End date
Preparation of the next academic year and of study materials for the 2 <sup>nd</sup> year of master study in the branch PAaRD - Public Administration and Regional Development (PAaRD)	June 2012	June 2013
Realisation of the 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> year of bachelor study and two years of master study	September 2012	August 2013
Preparation for the master level state exams and leading the master theses	September 2012	June 2013

Outcome in the year 2012:

1. Improvement of the quality of provided part-time study at the Faculty.

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*Project Title:* **Preparation and Delivery of the Courses Mathematics and Foreign Languages**  
*Project manager:* Libuša Révészová, [Libusa.Reveszova@tuke.sk](mailto:Libusa.Reveszova@tuke.sk)  
*Project implementation period:* October 2011– April 2012

### **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 <sup>st</sup> period of the courses, delivery of teaching, evaluating feedback from the 1 <sup>st</sup> period of the courses	October 2011	January 2012
2	Preparation of materials for the 2 <sup>nd</sup> period of the courses, delivery of teaching, evaluating feedback from 2 <sup>nd</sup> period of the courses	February 2012	April 2012

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.

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<i>Project title:</i>	<b>2nd POL-LOC Summer School</b>
<i>Acronym:</i>	<b>POL-LOC</b>
<i>Contract Number:</i>	11vs30
<i>Supported by:</i>	Tatrabanka Foundation –Quality of Education Programme
<i>Local Coordinator:</i>	Daniel Klimovský
<i>Associated Faculty:</i>	Miriam Šebová, Radoslav Blahovec
<i>Duration:</i>	2012

### **Project description:**

”2<sup>nd</sup> POL-LOC Summer School: Policy Making and Politics at the Local Level: East/West experience in comparative perspective” that was held in Košice, from 1-15 July 2012 was organized through this project. In total 43 students and 18 young teachers from 20 universities (from 16 European countries) took part in the above mentioned event.

One of the main objectives of the summer school was to strengthen the interdisciplinary nature of local policy making and politics study by creating an agora for exchanging knowledge and experience between participants with different academic background (economics, law, human geography, political science, sociology, public administration, management).

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

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 2012:

1. Internal re-certification audit provided by TUV NORD Slovakia, s.r.o.
2. Improvement of management quality system.

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## 10 COOPERATION

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### 10.1 Cooperation within Slovakia

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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 2012 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; and with empirica, GmbH in Germany.



Fig. 6: Signing cooperation agreement in Wuppertal, Germany

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## 10.2 International Cooperation

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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 LLP/Erasmus programme supporting student mobility among universities in the EU member countries. Within the LLP/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 Regensburg, Germany
- University of Nice – Sophia Antipolis, France
- University of Strasbourg, France
- University of Versailles Saint-Quentin-en-Yvelines, France
- University of Milan – Bicocca, Italy
- Calabria University, Italy
- University of Castilla La Mancha, Spain
- University of Valencia, Spain
- University of Vaasa, Finland
- Aegean University, Greece
- University of Pardubice, Czech Republic
- VSB – Technical University of Ostrava, Faculty of Economics, Ostrava, Czech Republic
- University of Economics, Faculty of Informatics and Statistics, Prague, Czech Republic
- Karol Adamiecki Academy of Economics, Katowice, Poland
- Selcuk Universitesi Konya, Turkey
- University of Maribor, Slovenia
- Università della Calabria, Cosenza, Italy
- Karl-Franzens University, Graz, Austria
- Uzhgorod National University, Ukraine

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 2011/2012 50 of our students participated in Erasmus exchange visits, two students participated in the mobility programme at the Huddersfield University Business School, Great Britain and two students at the University Sofia Antipolis in Nice, France. Mobilities from other EU countries

to Slovakia also took place - three Erasmus students from Spain, two from Poland and two from Romania studied at our Faculty. In the same academic year, visiting teachers from the partner universities in the UK, Germany, France, Czech Republic and Hungary gave lectures at the Faculty.

In the academic year 2012/2013, 25 of our students have already participated in Erasmus exchange programme in winter semester and 21 students will participate in the summer semester.

Two students study at the Huddersfield University Business School, Great Britain and three students at the University Sophia Antipolis in Nice, France. During 2012/2013, four Erasmus exchange students study at our Faculty, three from Spain 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, 70 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 2012 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 31 Erasmus students from the Faculty of Economics studied in Nice and app. 14 students studied within French or Slovak national grant programs.



Fig. 7: Awarding bachelor and master degree diplomas of the Sophia Antipolis University to the students of the Faculty of Economics

Based on the agreement with the Huddersfield University Business School in the UK two 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 2012/2013.

In 2012, 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: 20<sup>th</sup> Anniversary of Faculty, founding members of the Alumni Association.

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### 10.3 Visitors to the Faculty

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Within the framework of bilateral cooperation, the following representatives of partner institutions visited the Faculty of Economics in 2012:

- Laurent Dalmas, University of Versailles Saint-Quentin-en-Yvelines, France
- Hervé Guillermet,, French Embassy in Bratislava, Slovakia
- Lambert Koch, University of Wuppertal
- Christine Volkmann, University of Wuppertal,
- Ernst Andreas Ziegler, Junior University in Wuppertal
- Petr Doucek, University of Economics, Prague, Czech 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
- Andrew Harrison, University of Teesside, Great Britain

- 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

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## 10.4 Visits of the Faculty Staff to Foreign Institutions

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Alena Andrejovská

- VŠB Technical University of Ostrava, Czech Republic

Anna Bánociová:

- Sofia University st. Kliment Ohridski, Bulgaria

Ludmila Bartóková:

- University of Rzeszow, Poland

Tomáš Bálint:

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

Jozef Bucko:

- Sofia University st. Kliment Ohridski, Bulgaria

Ján Buleca

- University of Calabria in Cosenza, Italy

Peter Burger:

- Vienna University of Economics and Business, Institute for the  
Environment and Regional Development, Austria

Veronika Černáková:

- University Wuppertal, Germany

Radoslav Delina:

- Corvinus University of Budapest, Budapest, Hungary
- University of Economics Prague, Prague, Czech Republic
- NAR, s.r.o., Ostrava, Czech Republic

Elena Drabíková:

- University of Nice Sophia Antipolis, Nice, France

Barbora Dugasová

- University of Rzeszow, Poland

Vladimír Gazda

- University of Miskolc, Hungary
- University of Economics in Prague, Czech Republic
- Ecole de Management, Le Havre, France
- Budapest Business School, Hungary

Jozef Glova:

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

Katarína Hil'ovská:

- University of Vaasa, Vaasa, Finland

Lenka Maličková:

- School of Management, Le Havre, France
- Budapest Business School, Hungary

Oto Hudec:

- Wuppertal University, Germany

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:

- School of Advanced Social Studies in Nova Gorica, Slovenia
- Charles University in Prague, Czech Republic
- Corvinus University in Budapest, Hungary
- National University of Public Service in Budapest, Hungary
- University of Paris 1 Panthéon-Sorbonne, France
- University of Šiauliai, Lithuania

Iveta Korobaničová:

- Masaryk University, The Faculty of Economics and Administration, Brno, Czech Republic

Emília Krajňáková:

- Faculty of Economics and Management, Czech University of Life Sciences Prague, Czech Republic
- Faculty of Management and Economics, Tomáš Baťa University in Zlín, Czech Republic
- Faculty of Business Administration, University of Economics, Prague, Czech Republic

Gabriela Kořveková

- Faculty of Economics and Management, Czech University of Life Sciences Prague, Czech Republic
- District Economic Chamber of Most, Czech Republic

Manuela Raisová

- University of Nice Sophia Antipolis, Nice, France

- University of Rzeszow, Poland
  - Petru Maior University of Targu Mures, Romania
- Miroslava Pojerova
- University of Rzeszow, Poland
- Manuela Raisová
- University of Rzeszow, Poland
- Marcel Rešovský
- School of Management, Le Havre, France
  - University of Graz, Austria
- Marianna Siničáková
- University of Versailles Saint Quentin-en-Yveline, France
  - School of Management, Le Havre, France
  - Budapest Business School, Hungary
  - University of Katowice, Poland
- 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
- Jakub Tej:
- University of Belgrade, Belgrade, Serbia
- Michal Tkáč:
- Fraunhofer Institute for Factory Operation and Automation, Berlin, Germany
- Radoslav Tušan
- VŠB – Technical University of Ostrava, Czech Republic
- Nataša Urbančíková:
- Aarhus Social and Health Care College, Denmark
  - Fondo Formacion Euskadi, Bilbao, Spain
- Viliam Vajda:
- University of Modena and Reggio Emilia, Modena, Italy
  - Institute for Transport and Logistics Foundation, Bologna, Italy
  - eZavod, Ptuj, Slovenia
  - Cyberforum, Karlsruhe, Germany
  - Mura Regional Development Agency, Murska Sobota, Slovenia
  - Informatica Trentina, Trento, Italy
- 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

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## **10.5 Membership in National and International Organisations, Boards and Committees**

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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 IBIMA International Business Information Management Association
- Financial expert of Ministry of Education for HORIZON2020

Edita Farkašová:

- Member of the Editorial Board of the scientific journal - B&IT (Business & Information Technology) (ISSN 1805-3777)
- Member of the Joint Academic Committee for the PhD study in the scientific branch Finance 3.3.7.
- Member of Scientific Board of SvF TUKE

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

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 Regional Science Association Internationally, Slovak section
- Member of the Steering Committee of the Open Society Foundation – Slovakia

Emília Krajňáková:

- The Faculty of Socio-Economic Relationships, the University of Alexander Dubcek in Trencin, Slovakia – chairperson of the state examination committee for Master degree

Emília Jakubíková:

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

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)
- Member of the Scientific Board of Association for Sustainable Education, Research and Science (ASERS)

Dana Paľová:

- Member of IGIP (International Society for Engineering Education)

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:

- Member of the Committee of the Slovak Statistical and Demographical Society, Slovakia
- Member of Global Development Network, India
- Member of Slovak Section of European Regional Science Association
- Member of R Foundation



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## 11 PHD STUDY

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### 11.1 Internal PhD Students at the Faculty of Economics

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In 2012 the following internal PhD students studied at the Faculty of Economics:

1. Tomáš Bálint: Modelling of electronic financial services. Supervisor: Assoc. Prof. Jozef Bucko.
2. Kristína Dobšínská: Impact of the Economic Cycle on Capital Structure of Enterprises. Supervisor: Assoc. Prof. Edita Farkašová.
3. Elena Drabiková: Influence of European Monetary Union on the National Banking Sector. Supervisor: Assoc. Prof. Edita Farkašová.
4. Barbora Dugasová: Foreign Investments and their Influence on the Flexibility of Employment Relationships. Supervisor: Assoc. Prof. Emília Krajňáková.
5. Zuzana Gordiaková: Application of Option Strategies for the Creation of Structured Products. Supervisor: Prof. Vincent Šoltés
6. Monika Harčariková: Structured Products Suitable for Declining Financial Markets. Supervisor: Prof. Vincent Šoltés
7. Jozef Heteš: Determinants of deposits of nonfinancial subjects in financial institutions. Supervisor: Prof. Renáta Vokorokosová.
8. Ivana Hvižd'áková: The Impact of Social Capital on Firm Profitability. Supervisor: Assoc. Prof. Nataša Urbančíková.
9. František Janke: Supply Chain Effectiveness Optimization. Supervisor: Assoc. Prof. Radoslav Delina.
10. Slávka Klasová: Regional Knowledge Bases and Innovation Systems. Supervisor: Prof. Oto Hudec.
11. Viliam Kováč: Trust and Reciprocity in Network Structures. Supervisor: Assoc. Prof. Vladimír Gazda.
12. Marko Lalić: Exotic Options and their Applications on Structure Products. Prof. Vincent Šoltés.
13. Martina Lučkaničová: Financial and Non-financial Indicators for Valuation of Knowledge Management Systems in an Organization. Supervisor: Prof. Tomas Sabol.
14. Lucia Mihóková: The Fiscal Impact of Economic Crisis in V4 Countries. Supervisor: Assoc. Prof. Emilia Jakubíková.

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. Daniel Novota: Monetary Policy and Foreign Exchange Market at the Present. Supervisor: Assoc. Prof. Václav Dufala
17. Miroslava Packová: Bankruptcy prediction models. Supervisor: Assoc. Prof. Radoslav Delina
18. Viera Pavličková: Debit and Credit Payments Indicators of Competitiveness of Slovakia on the World Market. Supervisor: Prof. Renáta Vokorokosová.
19. Anna Petrušková: Regional Self-government Tax Revenues and their Influence on the Competence Implementation. Supervisor: Prof. Viktória Bobáková.
20. Mojmír Prídavok: Economic Effectiveness of Reverse Auction Strategies. Supervisor: Assoc. Prof. Radoslav Delina.
21. Martina Prochádzková: Innovation System and Multi-level Financial Relations. Supervisor: Prof. Oto Hudec.
22. Kristína Repiská: The level of human and social capital as an element of regional investment environment. Supervisor: Assoc. Prof. Nataša Urbančíková.
23. Marcel Rešovský: Capital assets prices in conditions of complicated Ownership Structure. Supervisor: Assoc. Prof. Vladimír Gazda.
24. Katarína Rimegová: The Development Aaid and its Impact on Supplementing Government Budgets in Developing Countries. Supervisor Assoc. Prof. Marta Orviská.
25. Ján Sidor: The Role of Government in Allocating Financial Resources in the Health Sector of Slovak Republic. Supervisor: Assoc. Prof. Emília Jakubíková.
26. Lucia Siroková: Mergers and Acquisitions in the Bank Sector. Supervisor: Prof. Jozef Medveď.
27. Soňa Svocáková: New China Investment Strategies in World Financial Markets. Supervisor: Assoc. Prof. Iveta Pauhofová.
28. Aneta Svrčeková: Economic aspects of international capital movements. Supervisor: Assoc. Prof. Edita Farkašová.
29. Miroslav Szpyrc: Financial Relations of Banking and Nonbanking Financial Institutions within SR. Supervisor: Prof. Renáta Vokorokosová.
30. Ivana Špirengová: Bank Finance and Competitive Ability of Economics. Supervisor: Prof. Renáta Vokorokosová.

31. Veronika Šulíková: The Analysis of the External Disequilibrium and the Foreign Reserves in the Context of the Balance of Payments. Supervisor: Assoc. Prof. Vladimír Gazda.
32. Michaela Urbanovičová: Credit Operations of Banks and Monetary Policy. Supervisor: Prof. Renáta Vokorokosová.
33. Veronika Zlaczká: Supervisor: Assoc. Prof. Emília Jakubíková.

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## **11.2 External PhD Students at the Faculty of Economics**

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1. Alazoozey Yonez Ali M.: Applications of Graph Theory in Economics. Supervisor: Assoc. Prof. Jozef Bucko.
2. Abdulhamid Younis: Investment Certificate Suitable for Conservative Investors. Supervisor: Prof. Vincent Šoltés.
3. Abdoulmola Razeg: Financial Analyses by Using Ratio Finance. Supervisor: Assoc. Prof. Václav Dufala.
4. Altiboley Khalejl Edreis: Quantitative Trading and Investment strategies. Supervisor: Assoc. Prof. Michal Šoltés.
5. Abulhafid Ibrahim Mehemed: Corporate Governance Structure and Firm Performance. Supervisor: Prof. Oto Hudec.
6. Tatiana Baníková: Supervisor: Assoc. Prof. Radoslav Delina.
7. Pavol Baran: Outsourcing at Financing Capital Companies. Supervisor: Prof. Jozef Medved'.
8. Benjreed Morad: Financing Commercial Banking through the ECB Operations. Supervisor: Prof. Renáta Vokorokosová.
9. Bensharada Wanies A.: Outsourcing in Financing of Institutions in Public Sector. Supervisor: Assoc. Prof. Václav Dufala.
10. Blazquez Luis: The Attitudes to Tax Evasion and Policies to Reduce Tax Evasion. Supervisor: Assoc. Prof. Marta Orviská.
11. Radoslav Blahovec: Creative Economy and its Impact on Regional Competitiveness. Supervisor: Prof. Oto Hudec.
12. Tamara Cvejić: Creating Shareholders Value in Mergers and Acquisitions Focused on the Banking Sector. Supervisor: Prof. Dejan Erić.
13. Duško Bodroža: Municipal Bonds as a Local Government Financing Source. Supervisor: Prof. Hasan Hanić.
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. Martin Esser: Trust and Security in the Context of Electronic Financial Services. Supervisor: Assoc. Prof. Jozef Bucko.
18. Diaz Pino Angel: Methods of Financing of Electro-mobility in Slovak republic. Supervisor: Prof. Tomas Sabol.
19. Hamouda Abdulbased Mohamed: Determinants of Current Account Balance in the Conditions of Open Economy. Supervisor: Assoc. Prof. Vladimír Gazda.
20. Michaela Kostačová: Financial Aspects of Performance Management. Supervisor: Prof. Dejan Erić.
21. Jana Lochová: Comparison of Bank Sector and its Development in Transitive Economics. Supervisor: Assoc. prof. Edita Farkašová.
22. Musa Mubark O.: Information and its Role in the Decision Process of the Economic Agents. Supervisor: Assoc. Prof. Vladimír Gazda.
23. Mohamoud Omer: Global, National and Regional Aspects of Mobility of Investments. Supervisor: Assoc. Prof. Václav Dufala.
24. Nafid Omran Salama: Support of the RDI in Business Entities in Selected EU Countries. Supervisor: Assoc. Prof. Nataša Urbančíková.
25. Miroslava Novikmecová: Factors Affecting the Size of Tax Revenues of the Slovak Republic's State Budget. Supervisor: Assoc. Prof. Emília Jakubíková.
26. Sukker Abdala: The Impact of Foreign Trade on Economic Development of the Arab Petroleum Exporting Countries. Supervisor: Assoc. Prof. Radoslav Delina.
27. Wafi Yousef: Valuation of Information Technology Investments using Real Options Approach. Supervisor: Assoc. Prof. Radoslav Delina.

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### **11.3 PhD completed in 2012**

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The following internal PhD students of the Faculty defended their PhD theses and were awarded PhD degree in 2012:

1. Veronika Černáková: Regional aspects of financing innovations in public services.

2. Andrea Tkáčová (born Frendáková): Global Financial Crisis, its Consequences and Solutions in the V4.
3. Marek Gróf: Application of Experimental Economics in Government Funding.
4. Zuzana Maliková: Support Funding of Innovation through Stimulation of Private Investment in Research and Development.
5. Martina Rusnáková: Barrier Options and their Using for Hedging.
6. Zuzana Somogyiová: Assessment of Investments Associated with ICT in Terms of Innovation Capability and Economic Growth at the National Level.
7. Tomáš Šoltés: Analysis of the Impact of Investment Projects on the Enhancement of Region Competitiveness.
8. Jakub Tej: Identification and Quantification of Operational Risk in Commercial Banking.
9. Michal Tkáč: The Effectiveness of Technical Analysis in Efficient Market Hypothesis.

None external PhD student was awarded PhD degree in 2012.

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## 12 OTHER ACTIVITIES

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### 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 top specialists from Slovakia and abroad.

The invited specialists held lectures on topical issues. In the spring semester, prof. Laurent Dalmas from the University of Versailles presented his research in the field of urban heritage. Prof. Július Horváth from the Central European University presented the life and work of one of the most successful Slovak economists – prof. Karvaš. Prof. Igor Podlubný presented his research in the field of the total least squares method applications. Prof. Boettke introduced his experience with the doctorand study in the United States of America. Ing. Bolha, PhD coming from the RWE Slovakia described the functioning of the electronic electricity market.



Fig. 9: Mr. Šesták and Mr. Zimmer from Pricewaterhouse Coopers Slovakia giving a presentation to the students

**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 80 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 2011 came to Slovakia 20 foreign students from countries like Finland, Germany, Serbia, Spain, Scotland, Poland, Croatia, Turkey, Switzerland, Kazakhstan, Belgium, Macedonia, Ireland, Norway, etc. 18 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: Pavol Faltičko, Dávid Bendík, Ivana Jalčáková, Jana Ondovčáková, Michaela Knapiková, Tomáš Farkašovský, Ján Tomko, Peter Breza, Patrik Durkaj.

Web side: [www.iaeste.sk](http://www.iaeste.sk)

**AIESEC Kosice**

AIESEC is international student organization run by students in 113 countries all over the world that offers 3 types of programme for students - participation in global learning environment, leadership opportunities and international experience - internships. In 2012 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 internship. 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. Moreover each year AIESEC organize NDK (national career

days) where students can get in contact with companies, find out information that they are interested and maybe find a job.

website: <http://www.aiesec.sk/kosice/>, [www.zahranicnestaze.sk](http://www.zahranicnestaze.sk)

## **2<sup>nd</sup> POL-LOC Summer School**

43 university students and 18 young university teachers (up to 35 years old) attended the “2<sup>nd</sup> POL-LOC Summer School: Policy Making and Politics at the Local Level: East/West experience in comparative perspective”. The participants came from the following 16 European countries and 20 different institutions: Slovakia: Technical University of Košice, Comenius University in Bratislava, University of Economics in Bratislava, University of SS. Cyril and Methodius in Trnava; the Czech Republic: Charles University in Prague, University of Pardubice; Hungary: Corvinus University in Budapest; Poland: University of Marie Curie-Sklodowska in Lublin; Slovenia: School of Advanced Social Studies in Nova Gorica; Romania: National School of Political Studies and Public Administration in Bucharest; Croatia: University of Rijeka; Moldova: Academy of Economics in Chisinau; the Ukraine: Uzhgorod State University; Lithuania: University of Siauliai; Russia: Moscow State University; Albania: Kristal University in Tirana; France: University of Paris 5 – Descartes University; Belgium: University College in Ghent; Finland: University of Tampere; and Sweden: Lund University. Besides the participants, 12 keynote lecturers took part in the event, namely: Attila Ágh, Hungary, Ján Buček, Slovakia, William Gilles, France, Arto Haveri, Finland, Ulrik Kjær, Denmark, Piotr Pachura, Slovakia, Agnieszka Pawlowska, Poland, Georg Sootla, Estonia, James H. Svara, USA, Inga Vilka, Latvia, Ellen Wayenberg, Belgium, and Hellmut Wollmann, Germany.

Two weeks of intensive summer school culminated on 13 July 2012, 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. Six students, who reached the best results – namely: Ms. Ludmila Staňová (Comenius University in Bratislava, Slovakia), Ms. Olga Sharapova (University of Paris 5 – Descartes University, France), Ms. Mária Kučerová (Comenius University in Bratislava, Slovakia), Ms. Mihaela Badea (National School of Political Studies and Public Administration in Bucharest, Romania), Mr. Antti Mikael Markkola (University of Tampere, Finland), and Ms. Ekaterina Mikhaylova (Moscow State University, Russia) – received also special prizes.

Web-site: [www.pollocc.eu](http://www.pollocc.eu)





Fig. 11: Participants of the 2<sup>nd</sup> POL-LOC Summer School during keynote lecture.



Fig. 12: Participants of the 2<sup>nd</sup> POL-LOC Summer School in Betliar.

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## 13 FACULTY STAFF MEMBERS

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**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**

PhD: P.J.Šafárik University Košice, 2000.

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, 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**

PhD: Faculty of Science, P.J. Šafárik University in Košice, 2010.

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**

PhD: Technical University of Košice, Faculty BERG, 2003.

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. 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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**Edita Farkašová, PhD, Associate Professor**

Her research interests are as follows: economic aspects of capital constructions, economic aspects of the environment and economic aspects of regional development. She is also interested in macroeconomics, microeconomics and world economics. Courses taught: Microeconomics, Macroeconomics, Economic Analysis of Business Organisations. At present she is participating in several international and national research projects. She is a member of the Academic Board of the Faculty of Economics. She is a member of a workgroup of the Accreditation Committee for Economics and Management. She is a member of the Joint Committee for the PhD study in the field of Finance.

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**Marián Gál, PhD, Assistant Professor**

As a scientific-research worker he is doing research in the area of Efficiency of Financing in Municipal Firms and Local Municipalities. Within his PhD studies at the University of Miskolc, he deals with the comparison of SME financing in Hungary and Slovakia. Courses taught: Managerial Games, Public Finance, Tax and taxation Systems, Accounting in Financial Institutions; he also teaches students within the Socrates/Erasmus program in English language (i.e. Tax and Taxations, Managerial Games, Public Finance).

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**Beáta Gavurová, PhD, Assistant Professor,**

PhD: Faculty of Business Economics, University of Economics in Bratislava 2009

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, Associate 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**

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

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, Associated 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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**Dáša Hudáková, PhD, Assistant Professor**

PhD: Faculty of Science, University of Žilina, 2003

Her research interest is in the area of functional differential equations. She is also interested in e-learning and financial mathematics. List of courses taught: Mathematics I, Mathematics II, and Administration Systems. She also teaches courses in English within the Socrates/Erasmus programme.

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**Lenka Hudáková Stašová, PhD, Assistant Professor**

PhD: Slovak University of Agriculture Nitra, 2003.

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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**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.

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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 Kol'vecková, PhD, Assistant Professor**

PhD: Czech University of Life Sciences, Prague, Faculty of Economics and Management, 2008

Her research interests are in the area of regional economics, development of cross-border cooperation and models of public-private partnership. Her research interests were presented in her PhD work (Analysis and Appraisal of the Development of Border Regions). Courses taught: Regional Economics, Microeconomics, Macroeconomics, World Economy, 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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**Emília Krajňáková, PhD, Associate Professor**

Her research interests are in the area of politics, social policy, sociology, economic sociology, social psychology, ethics and business ethics. She is also interested in casework on consumer behaviour, human resources management and flexible job relations. Courses taught: Politics, Sociology, Economic Sociology, Social Policy and Ethics of entrepreneurship. At present she is participating in several national research projects.

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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**

PhD: Technical University of Košice, Faculty of Mechanical Engineering, 2002. 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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**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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**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. He is also interested in human resources and regional development. He is a member of 9 editorial boards of foreign scientific journals and referee for 6 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, and Economic Policy.

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**Olga Nosáľová, PhD, Assistant Professor**

PhD: University of Economics in Bratislava, The Faculty of Business Economics with seat in Košice, 2010

Her research interests are in the area of economy structure and integration processes. The title of her PhD thesis is "Influence of the integration process on changes in the structure of Slovak economy". She is also interested in issues of the world economy. Courses taught: Macroeconomics, Economic Policy, World Economy, European Integration, Master Degree Internship. At present she participates in several national research projects.

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**Janka Oravcová, PhD, Assistant Professor**

PhD: Faculty of Science, P.J. Šafárik University, Košice, 2008

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 Palašćáková, PhD, Assistant Professor**

PhD: University of Economics in Bratislava, Faculty of National Economy, 2009. The areas of research interests – theory and practice of economics, creation of quality management systems in the context of competitive, these research issues are dealt with also in her PhD thesis: Creation of the Quality Management System in the Context of European Trends (for example of academic environment in Slovakia). She is participating in several national research projects. Course taught: World Economy, National Economy, Crisis Management.

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**Dana Paľová, PhD, Assistant Professor**

PhD: Faculty of Electrical Engineering and Informatics, TU Košice, 2005.

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**

PhD: University of Economics in Bratislava, 2005.

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. Her research interests are presented in her PhD work (Educational methods in economics subjects, research into the effectiveness of educational methods). 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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#### **Libuša Révészová, PhD, Assistant Professor**

PhD: Mathematical Institute SAS, Bratislava 2006

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**

PhD: Matej Bel University, Faculty of Economics, 2006.

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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**Alena Tartal'ová, PhD, Assistant Professor**

PhD: University of Economics in Bratislava, Faculty of Business Informatics, 2010. 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, Financial Institution Marketing, 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**

PhD: Technical University Košice, Faculty of Economics, 2010. 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, Assistant 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.

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## 14 SELECTED PUBLICATIONS PUBLISHED IN 2012

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### 14.1 Books and Chapters in Books

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1. GAVUROVÁ, Beáta - ŠOLTÉS, Marek: Management, information systems and technologies in health care Analysis of current status in hospitals of Eastern Slovakia. - 1. vyd. - Targu Mures: Petru Maior University - 2012. - 146 p.. - ISBN 978-606-581-052-5.
2. GAVUROVÁ, Beáta: Aplikácia vybraných podporných nástrojov v problematických fázach systému Balanced Scorecard - 1. vyd - Košice : TU, EkF - 2012. - 113 s. - ISBN 978-80-553-0847-0.
3. KLIMOVSKÝ, Daniel in: Viera Žúborová ... [et al.]: 20 rokov transformácie: Postavenie politickej komunikácie v Českej republike a na Slovensku / - Trnava : Univerzita Sv. Cyrila a Metoda - 2012. - 158 s.. - ISBN 978-80-8105-330-6.
4. SABOL, Tomáš - BABIČ, František – MACEJ, Peter: Projektový manažment / - 2. rozš. vyd. - Košice : TU - 2012. - 295 s.. - ISBN 978-80-553-0897-5.
5. KRAJŇÁKOVÁ, Emília - VOJTOVIČ, Sergej: Sociologická analýza trhového hospodárstva.1. vyd - Žilina : GEORG - 2012. - 138 s. [13,5 AH]. - ISBN 978-80-89401-77-2.
6. GAVUROVÁ, Beáta - PUDŁO Patrycja: Rozwój kreatywności pracowników w organizacjach projakościowych /.In: Lewarova siła personelu MSP : rezultaty miedzynarodowych badań. - Rzeszow : Publishing House of Rzeszow University, 2012 P. 197-218. - ISBN 978-83-7338-744-7
7. GAVUROVÁ, Beáta - PUDŁO, Patrycja: Charakterystyka kosztów zasobów ludzkich na tle wybranych modeli kosztów jakości.In: Lewarova siła personelu MSP : rezultaty miedzynarodowych badań. - Rzeszow : Publishing House of Rzeszow University, 2012 P. 219-258. - ISBN 978-83-7338-744-7
8. WIMMER, Maria A. - FURDÍK, Karol - BICKING, Melanie - MACH, Marián - SABOL, Tomáš - BUTKA, Peter: Open Collaboration in Policy Development: Concept and Architecture to Integrate Scenario Development and Formal Policy Modelling /



- Maria A. Wimmer ... [et al.] - 2012.In: Empowering Open and Collaborative Governance : Technologies and Methods for Online Citizen Engagement in Public Policy Making. - Berlin Heidelberg : Springer-Verlag, 2012 P. 199-219. - ISBN 978-3-642-27218-9
9. KLIMOVSKÝ, Daniel - LACKOVÁ, Zuzana: Local Policy Making: Actors and Tools. In: Selected Aspects of Local and Regional Development. - Nova Gorica : School of Advanced Social Studies, 2012 P. 27-48. - ISBN 978-961-6718-06-6

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## 14.2 Journal publications

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1. WEERAKKODY, Vishanth - EL-HADDADEH, Ramzi - SABOL, Tomáš - GHONEIM, Ahmad - DŽUPKA, Peter: E-government implementation strategies in developed and transition economies : A comparative study / Vishanth Weerakkody ... [et al.] - 2012.In: International Journal of Information Management. Vol. 32, no. 1 (2012), p. 66-74. - ISSN 0268-4012 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0268401211001253>.
2. CZAP, Július - HUDÁK, Dávid: 1-planarity of complete multipartite graphs / Július Czap, Dávid Hudák - 2012.In: Discrete Applied Mathematics. Vol. 160, no. 4-5 (2012), p. 505-512. - ISSN 0166-218X Spôsob prístupu: <http://www.sciencedirect.com/science/journal/0166218X/160/4-5>.
3. CZAP, Július: Facial parity edge coloring of outerplane graphs / Július Czap - 2012.In: Ars Mathematica Contemporanea. Vol. 5, no. 2 (2012), p. 285-289. - ISSN 1855-3966 Spôsob prístupu: <http://amc.imfm.si/index.php/amc>.
4. TOKAR, Tomas - HORVÁTH, Denis: Market inefficiency identified by both single and multiple currency trends / Tomas Tokar, Denis Horváth - 2012.In: Physica A. Vol. 391, no. 22 (2012), p. 5620-5627. - ISSN 0378-4371 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0378437112005420>.
5. GAZDA, Vladimír - GRÓF, Marek - HORVÁTH, Július - KUBÁK, Matúš - ROSIVAL, Tomáš - Agent based model of a simple

- economy / Vladimír Gazda ... [et al.] - 2012.In: Journal of Economic Interaction and Coordination. Vol. 7, no. 2 (2012), p. 209-221. - ISSN 1860-711X Spôsob prístupu: <http://www.springerlink.com/content/1860-711x/7/2/>.
6. HORVÁTH, Denis - PINČAK, Richard: From the currency rate quotations onto strings and brane world scenarios. In: Physica A: Statistical Mechanics and its Applications. Vol. 391, no. 21 (2012), p. 5172-5188. - ISSN 0378-4371
  7. FIALKOVIČOVÁ, Mária - MARDZINOVÁ, Silvia - KARASOVÁ, Martina - FAIXOVÁ, Zita - HLUCHÝ, Marián - ZÖLDÁG, László - BULECA, Ján: A hyperadrenocorticismus (Cushing-kór) gyógykezelése / Mária Fialkovičová ... [et al.] - 2012.In: Magyar állatorvosok lapja. Vol. 134, no. 5 (2012), p. 271-279. - ISSN 0025-004X
  8. HUDEC, Oto - ŠEBOVÁ, Miriam: The ICT Sector Evolution in an Industrial Region of Slovakia. In: Ekonomický časopis. Roč. 60, č. 1 (2012), s. 65-82. - ISSN 0013-3035
  9. KOČIŠOVÁ, Kristína: Aplikácia DEA modelov pri analýze technickej efektívnosti pobočiek komerčnej banky. In: Ekonomický časopis. Roč. 60, č. 2 (2012), s. 169-186. - ISSN 0013-3035
  10. GAVUROVÁ, Beáta - PAVLIČKOVÁ, Viera: Analysis of selected aspects of the Flexicurity model as an innovative labor market approach and their potential applicability under the Slovak conditions. In: Japan Social Innovation Journal. Vol. 2, no. 1 (2012), p. 54-64. - ISSN 2185-9493 Spôsob prístupu: <http://www.ips.uhyogo.ac.jp/jsij/2012/03/volume-2-no-1-2012/>.
  11. LUČKANIČOVÁ, Martina - ONDRUŠEKOVÁ, Ivana - REŠOVSKÝ, Marcel: Employment modelling in Slovakia : comparing logit models in 2005 and 2009. In: Economic Annals. Vol. 57, no. 192 (2012), p. 25-39. - ISSN 0013-3264
  12. VEJÁČKA, Martin: Facebook advertising and its efficiency on the Slovak market..In: E+M Ekonomie a Management. Vol. 15, no. 1 (2012), p. 116-127. - ISSN 1212-3609
  13. TOKÁR, Tomáš - HORVÁTH, Denis - HNATICĎ, Michal: Multi-agent Based Analysis of Financial Data. In: Lecture Notes in Computer Science : Mathematical Modeling and Computational Science. - Heidelberg : Springer-Verlag , 2012 Vol. 7125 (2012), p.

- 314-321. - ISBN 978-3-642-28211-9 - ISSN 0302-9743 Spôsob prístupu: <http://www.springerlink.com/content/978-3-642-28211-9/contents/?MUD=MP>.
14. GAVUROVÁ, Beáta - SZABO, Stanislav: Význam vzdelávania v kreatívnej a znalostnej organizácii. In: International Scientific Herald. Vol. 2, no 4 (2012), p. 171-182. - ISSN 2218-5348
  15. ŽELINSKÝ, Tomáš: Changes in Relative Material Deprivation in Regions of Slovakia and the Czech Republic. In: Panoeconomicus. No. 3 (2012), p. 335-353. - ISSN 2217-2386 Spôsob prístupu: [http://www.panoeconomicus.rs/casopis/2012\\_3/06%20Tomas%20Zelinsky.pdf](http://www.panoeconomicus.rs/casopis/2012_3/06%20Tomas%20Zelinsky.pdf).
  16. CZAP, Július - JENDROĽ, Stanislav - KARDOŠ, František - SOTÁK, Roman: Facial parity edge colouring of plane pseudographs / Július Czap ... [et al.] - 2012.In: Discrete Mathematics. Vol. 312, no. 17 (2012), p. 2735-2740. - ISSN 0012-365X Spôsob prístupu: <http://www.sciencedirect.com/science/journal/0012365X/312/17>.
  17. HUDÁKOVÁ STAŠOVÁ, Lenka: Aplikácia metódy Activity Based Costing v potravinárskom podniku / Lenka Hudáková Stašová - 2012.In: Scientific Papers of the University of Pardubice : series D. Vol. 17, no. 23 (2012), p. 41-54. - ISSN 1211-555X
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Fig. 10 Košice / artistic view