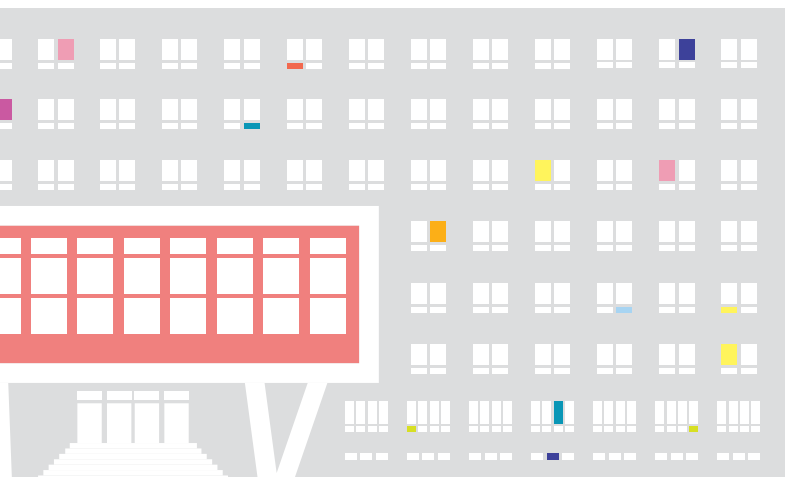


Technical University of Košice  
FACULTY OF ECONOMICS

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**ANNUAL REPORT 2016**



Technical University of Košice

**Faculty of Economics**

**ANNUAL REPORT**  
**2016**



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## 1 FOREWORD

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Dear Ladies and Gentlemen,  
year 2016 was another successful year in the 24-years long history of our Faculty. There are several important points that should be mentioned.

First of all, year 2016 brought a strong boost of research challenges and new project proposals of variety of research as well as educational and mobility projects. Three scientific projects of the highest quality financed within EU program Horizon 2020 successfully started. The key factor affecting the future research at our Faculty, which could be clearly recognized, is increasing number of project teams involved in the research. Despite the fact, that the Horizon 2020 projects are still concentrated within one excellent team, there

were several new teams, which were successful within different project calls and applying for high-level scientific projects as well. Skills, attitude and dedication and creativity and enthusiasm of our employees form the basis of competitive strengths of our Faculty, which we are all proud of.

Secondly, motivation criteria for our employees were upgraded. New principles emphasize higher quality of publications required and should have brought higher quality of research and of dissemination of its results. We are proud to say, that our employees faced these challenges with success.

Thirdly, it is very great success, that Kosice's Economic Forum (KEF) was introduced. The first year is always difficult, but our Faculty proved that it is well known and recognized provider of the latest economic research of high level of quality and is respected forum for contributing discussions. During year 2016, nine prestigious individuals from both academic environment and the practice, brought the newest ideas and research topics in the field of economics and finance and boosted incentives, inspiration and enthusiasm to the economic research of our Faculty.

And the last, but not the least, year 2016 was influenced by the implementation of new accreditation of study programs provided by our Faculty. Modifications of the courses' structure brought increase in quality and made our programs more attractive for the students and more competitive. It was the first

year after a long period, when our Faculty accepted more than 220 students in our bachelors programs. That is the best proof of providing high-quality, professional education in the field of economic sciences, which is the mission of our Faculty.

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

Michal Šoltés  
dean

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

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



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



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

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



Fig. 2: The Technical University of Košice

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### 3 FACULTY MANAGEMENT

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Dean: **Assoc. Prof. Michal Šoltés, PhD.**

Telephone: +421-55-602 3276

Fax: +421-55- 602 8046

E-mail: [Michal.Soltes@tuke.sk](mailto:Michal.Soltes@tuke.sk)

Associate deans:

**Assoc. Prof. Beáta Gavurová, PhD., MBA** – responsible for Scientific and Research Activities and Doctoral Study

Telephone: +421-55-602 3267

Fax: +421-55- 602 8046

E-mail: [beata.gavurova@tuke.sk](mailto:beata.gavurova@tuke.sk)

**Dr. Libuša Révészová, PhD.** – responsible for Educational Affairs

Telephone: +421-55-602 3566

Fax: +421-55- 602 8046

E-mail: [libusa.reveszova@tuke.sk](mailto:libusa.reveszova@tuke.sk)

**Assoc. Prof. Marianna Siničáková, PhD.** - responsible for External Relations and Development

Telephone: +421-55-602 2141

Fax: +421-55- 602 8046

E-mail: [marianna.sinicakova@tuke.sk](mailto:marianna.sinicakova@tuke.sk)

Secretary of the Faculty:

**JUDr. Mária Geralská**

Telephone: +421-55-602 3271

Fax: +421-55-633 0983

E-mail: [maria.geralska@tuke.sk](mailto:maria.geralska@tuke.sk)

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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, European Integration, International Trade Forms, Monetary Policy, Crises Management.

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

**Head of the Department:** Assoc. Prof. Rajmund Mirdala, PhD

E-mail: [Rajmund.Mirdala@tuke.sk](mailto:Rajmund.Mirdala@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. Anna Bánociová, PhD

**E-mail:** [Anna.Bánociová@tuke.sk](mailto:Anna.Bánociová@tuke.sk)

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

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

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

**E-mail:** [Radoslav.Delina@tuke.sk](mailto:Radoslav.Delina@tuke.sk)

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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, Enterprise and Entrepreneurship, Innovation and Creative Industries.

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

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

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

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

E-mail: [Peter.Dzupka@tuke.sk](mailto:Peter.Dzupka@tuke.sk)

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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 the policy aspects and regulatory framework of electronic communication networks. Information sharing on web-based platforms and electronic financial services, e.g. implementation of e-banking and mobile payment systems are investigated as well.

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

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

E-mail: [Jozef.Bucko@tuke.sk](mailto:Jozef.Bucko@tuke.sk)

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## 5 RESEARCH PRIORITIES

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

1. Finance, Banking, Investment
  - Analysis of financial markets and investment tools;
  - Effective allocation of financial resources;
  - Tasks and issues of financial investment and control;
  - Analysis of investments and foreign direct investments (FDI);
  - Analysis of the financial status of small and medium-size enterprises (SMEs);
  - Financial and accounting theory.
2. Business Informatics
  - Measuring economic efficiency of information and communication technology (ICT) applications;
  - Socio-economic analysis of ICT applications;
  - e-Business, e-Procurement, e-Banking, e-Government, and e-Health;
  - Information Society development, benchmarking etc.;
  - Trends and indicators of Knowledge Economy and Information Society development, knowledge management and knowledge technologies, innovation (especially innovation related to application of ICT);
  - Information and network trust and security;
  - Methodology and methods of economics and business process modelling
  - Digital single market development
3. Regional Science and Public Administration
  - Decision-making processes at public administration;
  - Fiscal decentralization and regional governance;
  - Programming and EU structural policy;
  - Efficiency and Equity in Public Finance;
  - Location factors and regional development;
  - Strategic planning, Regional innovation strategies;
  - Innovations and Clusters;
  - Regional and city marketing and management;
  - Business environment analysis;
  - Creative Economy

- Resilience of regions
- Local economic impact studies

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

#### 4. Healthcare Economics

- macroeconomic and microeconomic analysis of the healthcare market;
- economic efficiency of the health system;
- health and social policy in Slovakia;
- multi-dimensional analysis of the health status of marginalized and segregated communities;
- analysis of the health behavior of the population of marginalized and segregated communities and its impact on the health of the Slovak population;
- economic quantification of efficiency and effectiveness of prevention programs in the surveyed area of Slovakia;
- comprehensive analysis of the state and evolution of life expectancy of inhabitants of Slovakia and abroad and its determinants;
- scientific extraction causes of death and groups of causes of death and quantification of their impact on the evolution of life expectancy among Slovak population, creation of a forecasting platform;
- mortality in regions of Slovakia and its socio-economic determinants;
- aging of the Slovak population and its impact on health and social policy of the Slovak Republic;
- information and communication technologies in healthcare;
- medical technology and economic aspects of their use in Slovakia;
- strategic management of the health system in Slovakia;
- development of economic metrics concepts for Strategic Framework of Slovak healthcare system;
- long-term health care and social policy.



Fig. 3: Team-building day of the faculty



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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>Project title:</i>	<b>A Personalised Integrated Care Approach for Service Organisations and Care Models for Patients with Multi-Morbidity and Chronic Conditions</b>
<i>Acronym:</i>	<b>PICASO</b>
<i>Contract Number:</i>	689209, H2020
<i>Supported by:</i>	European Commission, H2020 Programme
<i>Project type:</i>	Research and Innovation Action (RIA)
<i>Local coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Peter Kostelník, Ján Hreňo, Marek Skokan, Marián Mach
<i>Duration:</i>	2016– 2019
<i>Website:</i>	<a href="http://www.picaso-project.eu/impressum">http://www.picaso-project.eu/impressum</a>

#### **Project description:**

PICASO project is developing a digital platform for secure, collaborative sharing of care plans across healthcare sectors. The PICASO platform will enable the sharing of a patient's complete care pathways with tools to establish health status, predict risks and adjust care. Based on monitoring of different physiological parameters at home, the patients can actively participate in their own care. The result is better management of co-existing diseases and coordination of care plans for the benefit of patients and carers across organisations.

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<i>Project title:</i>	<b>Pluggable Social Platform for Heritage Awareness and Participation</b>
<i>Acronym:</i>	<b>PLUGGY</b>
<i>Contract Number:</i>	726765, H2020
<i>Supported by:</i>	European Commission, H2020
<i>Project type:</i>	Research and Innovation Action (RIA)
<i>Local coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Ján Hreňo, Peter Bednár, Peter Smatana
<i>Duration:</i>	2016 – 2019
<i>Website:</i>	<a href="http://www.pluggy-project.eu">http://www.pluggy-project.eu</a>

**Project description:**

PLUGGY addresses the need of society to be actively involved in cultural heritage activities, not only as an observer, but also as a creator and a major influencing factor. PLUGGY aims to bridge this gap by providing the necessary tools to allow users to share their local knowledge and everyday experience with others, together with the contribution of cultural institutions, building extensive networks around a common area interest, connecting the past, the present and the future.

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<i>Project title:</i>	<b>MOdel based coNtrol framework for Site-wide OptimizatiON of data-intensive processes</b>
<i>Acronym:</i>	<b>MONSOON</b>
<i>Contract Number:</i>	723650, H2020
<i>Supported by:</i>	European Commission, H2020
<i>Project type:</i>	Research and Innovation Action (RIA)
<i>Local coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Peter Bednár, Marián Mach, Marek Skokan, Miroslav Smatana, Martin Sarnovský
<i>Duration:</i>	2016 – 2019
<i>Website:</i>	<a href="https://www.spire2030.eu/monsoon">https://www.spire2030.eu/monsoon</a>

**Project description:**

The MONSOON project aims to establish data-driven methodology to support identification and exploitation of optimization potentials by applying model-based predictive controls so as to perform plant and site-wide optimization of production process.

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<i>Project title:</i>	<b>Utilizing Innovation Potential of Urban Ecosystems</b>
<i>Acronym:</i>	<b>URBAN INNO</b>
<i>Supported by:</i>	INTERREG Central Europe
<i>Contract Number:</i>	C677
<i>Coordinator:</i>	Beata Gavurová
<i>Associated Faculty:</i>	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák.
<i>Duration:</i>	2016–2019

**Project description:**

URBAN INNO is addressing the challenge to make CE more innovative and competitive by maximising the innovation potential of smaller and medium sized urban ecosystems by two approaches – firstly, better linkage of actors in innovation systems by establishing and interlinking quadruple helix clusters/networks in the partner regions, and secondly by the development and implementation of new participatory methods and tools to engage end-users in innovation processes with the objective to have educated and motivated users – SMART USERS.

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<i>Project title:</i>	<b>Ziping and Innovating the Development Planning of the Cross-Border SK-UA Territory</b>
<i>Acronym:</i>	<b>ZIP</b>
<i>Contract Number:</i>	CBC01010
<i>Supported by:</i>	Norwegian Financial Mechanism/EEA Financial Mechanism
<i>Local Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Peter Džupka, Monika Šiserová, Nataša Urbančíková, Tomáš Želinský
<i>Duration:</i>	2015 – 2017

**Project description:**

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

internal cross-border potential (especially in the areas of human resources, social capital and capacity for innovation), as well as to harmonize relevant development goals.

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

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## 6.2 National R&D Projects

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<i>Project title:</i>	<b>Financial health of companies and its importance in the context of supplier-customer relations</b>
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0978/16
<i>Coordinator:</i>	František Janke
<i>Associated Faculty:</i>	Kočíšová Kristína; Mojmír Prídavok; Martin Dujčák; Lukáš Pinka; Ivana Peržel'ová
<i>Duration:</i>	2016 – 2017

### **Project description:**

The project aims to analyze the financial health of businesses and its impact on supplier-customer relationships. The financial health of the company is one of the key factors influencing the selection of suppliers and the establishment of the business relationship conditions arising from the risk of supplier's negative behaviour. The main objective of the project is to create a scoring model of the financial health of companies and to analyse the impact of the supplier's financial health level and other factors to a quality level and ability to fulfill its obligations arising from the supplier-customer relationships. Also the analysis of disparities in relations between the financial health and capability to fulfill the obligations of supplier-customer relationships based on geographical and sectoral affiliation will be provided.

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<i>Project title:</i>	<b>Research of the issue of Online Reputation Management (ORM) of subjects from automotive industry</b>
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Contract Number:</i>	APVV-15-0511
<i>Coordinator:</i>	Radoslav Delina
<i>Associated Faculty:</i>	Radovan Dráb
<i>Duration:</i>	2016 - 2019

**Project description:**

The aim of the project is to carry out a comprehensive research on new and up-to-date phenomenon of proactive online reputation management of entities operating in the automotive sector in this turbulent hyperinformative and hyper-competitive age. The proposed project will be carried out as a basic research whose main objective is to extend the theoretical knowledge on the subject. The research will make use of relevant qualitative and quantitative processing methods and these will subsequently serve as a basis for developing a methodology for comprehensive and effective measures and also for improving the platforms of active online reputation management of selected entities on the Slovak market and also on the EU reference markets.

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

**Project description:**

The project is aimed at investigating the patterns of economic behaviour of children in the context of segregated Roma communities in Slovakia. In particular, we focus on the role of family and community in forming children's beliefs, preferences and social norms. Three rounds of lab-in-the-field experiments were conducted between 2013 – 2016, primarily with the focus on the experimental measurement of time preferences, patience and self-control, social identity, social norms, and health attitudes. The preliminary findings suggest that interaction with fellow Roma community members increases impatient behaviour particularly in

children and that individual decisions are to a large extent over-powered by collective decisions and a high proportion of children change their original preference and accept a collectively agreed preference. We further show that beliefs about social norms of younger children are more closely related than the beliefs of older children. We argue that beliefs about social norms of adults and older children are more likely to be affected by the surrounding neighborhood than beliefs of younger children. In particular, the most significant differences are observed in attitudes towards separation of students at school based on their ethnicity, and perceptions of stereotypical male and female roles. Nevertheless, we find that the activation of a Roma's ethnicity reduces cognitive performance. In contrast, Roma exposed to Roma role models outperform those reminded of their ethnicity and also non-Roma role models. We then attempt to understand the channels through which social identity and role models effect performance. We show that priming a Roma's identity has a direct effect on confidence, decreasing performance.

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<i>Project title:</i>	<b>Financial health of companies and its importance in the context of supplier-customer relations</b>
<i>Supported by:</i>	Slovak Ministry of Education
<i>Contract Number:</i>	VEGA 1/0978/16
<i>Coordinator:</i>	František Janke
<i>Associated Faculty:</i>	Kočíšová Kristína; Mojmir Prídavok; Martin Dujčák; Lukáš Pinka; Ivana Perželová
<i>Duration:</i>	2016 – 2017

**Project description:**

The project aims to analyze the financial health of businesses and its impact on supplier-customer relationships. The financial health of the company is one of the key factors influencing the selection of suppliers and the establishment of the business relationship conditions arising from the risk of supplier's negative behaviour. The main objective of the project is to create a scoring model of the financial health of companies and to analyse the impact of the supplier's financial health level and other factors to a quality level and ability to fulfill its obligations arising from the supplier-customer relationships. Also the analysis of disparities in relations between the financial health and capability to fulfill the obligations of supplier-customer relationships based on geographical and sectoral affiliation will be provided.

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<i>Project title:</i>	<b>The Efficiency of Digital Single Market Development determined by the changes in transparency level, information asymmetry and socio-economic characteristics of market subjects.</b>
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Contract Number:</i>	VEGA 1/0807/16
<i>Coordinator:</i>	Radoslav Delina
<i>Associated Faculty:</i>	Marek Gróf, Nikola Šimková, Martin Kubačka
<i>Duration:</i>	2016 -2017

**Project description:**

The research is focused on socio-economic impact of digital single market strategy implementation. The standardisation, interoperability, e-trust, digital platforms and data economy evolution can have big impact on market players and the market behavioural changes, esp. based on higher transparency level. This changes are examined on empirical data from digital supply chains and within designed experiments. In 2016, first data processing from digital procurement networks were analysed and transparency attributes were tested.

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<i>Project title:</i>	<b>Indebtedness of local municipalities of Slovakia, the Czech Republic and Hungary and its impact on financing of public services</b>
<i>Supported by:</i>	European Commission
<i>Contract Number:</i>	VEGA - 1/0559/16
<i>Coordinator:</i>	Lenka Maličká
<i>Associated Faculty:</i>	Vladimír Gazda, Emília Jakubíková, Lenka Hudáková Stašová, Radoslav Bajus, Peter Tóth
<i>Duration:</i>	2016-2018

**Project description:**

The aim of the project is to analyse the influence of indebtedness of local municipalities on financing of chosen public services in Slovakia, the Czech Republic and Hungary, and to propose the measurements in income and expenditure budgetary items. The outcome of proposals will be more effective economic performance of local municipalities with emphasis on lowering the indebtedness level.

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

**Project description:**

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

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<i>Project title:</i>	<b>Economic Implications and Perspectives of the Participation of the Slovak Republic in the Process of Production Activities Fragmentation within Global Value Chains</b>
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Contract Number:</i>	VEGA 1/0961/16
<i>Coordinator:</i>	Rajmund Mirdala
<i>Associated Faculty:</i>	Ludmila Bartóková, Julia Ďurčová, Gabriela Kol'veková, Peter Kuzmišin, Olga Nosál'ová, Daniela Palaščáková, Daniela Petříková, Manuela Raisová, Tatiana Soroková, Martin Kameník, Anna Ruščáková, Jozefína Semančíková.
<i>Duration:</i>	2016-2018

**Project description:**

Long-term structural changes in the world economy, as a natural consequence of globalization and internationalization of economic events, are considered as primary factors of international fragmentation of production activities. Considering the shortcomings of the traditional approaches to the evaluation of countries' participation on the process of the international labour division, the project will be focused on the analysis of the substantial features of the formation



of added value regarding the sector levels in SR in terms of international fragmentation of production activities employing input-output tables. Results of the analysis support the wider economic relations of the SR participation in the global value chain (GVC). Based on the key findings we suggest the economic and political recommendations that intensify structural changes that increase positive macroeconomic and microeconomic effects derived from the active participation of SR in GVC.

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<i>Project title:</i>	<b>The economic model of the electronic spectrum markets Theoretical Economic Model for Future Real Time Spectrum Markets</b>
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Contract Number:</i>	APVV 15-0358
<i>Coordinator:</i>	Vladimír Gazda
<i>Associated Faculty:</i>	Tomáš Sabol, Peter Tóth, Martin Zoričák, Juraj Gazda, Peter Drotár, Gabriel Bugár, Dušan Kocur, Július Horváth, Marcel Vološin
<i>Duration:</i>	2016 - 2018

**Project description:**

The instantaneous communication in the human society is currently realized mostly over the wireless communication channels. Frequency spectrum is the medium for the information transfer and thus, is extremely utilized. Based on that, it is fundamental to come up with the new technological and economical strategies that would improve the spectrum effectivity utilization and distribution. Spectrum trading and distribution among the network participants will have in the future highly dynamic character and therefore the economical/technological implementation would need to be able to cover the system dynamics. When dealing with the spectrum trading (e.g. market mechanism) we will be able to formulate several economical views, directly impacting the spectrum trading effectivity. The detailed study of the monopoly, oligopoly and the perfect/imperfect competition among the trading participants will be the core part of our research. Interaction among the spectrum trading participants will be handled by the spectrum auctions realized in the real-time. In order to be able to capture the high dynamics of the real-time spectrum market, we will use the agent based modelling of the system, previously successfully applied in other scientific areas (e.g. physics, sociology, etc.). The effectivity of the agent based economy models will be verified using the scenarios reflecting the conditions, in which the real-time spectrum trading markets will be operating in the future.

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

**Project description:**

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

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<i>Project title:</i>	<b>Barriers and utilization possibilities of Pre-Commercial Procurement (PCP) approach in innovation public procurement in Slovak Republic</b>
<i>Contract Number:</i>	VEGA-1/0922/15
<i>Coordinator:</i>	Tomáš Sabol
<i>Associated Faculty:</i>	Radoslav Delina, Radovan Dráb, Marek Gróf, Matúš Kubák, Lenka Senderáková
<i>Duration:</i>	2015-2016

**Project description:**

Project focuses on analysis of potential of Pre-Commercial Procurement approach in Innovation Public Procurement processes. In 2016, the survey between procurement specialists was conducted and empirical data from procurement processes were analysed to identify differences between traditional and innovation

driven procurement. On the base of this analysis, the conceptual framework for PCP support in Slovakia was proposed with the aim to support the efficient innovation uptake and related R&D public procurement processes.

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

**Project description:**

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

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

**Project description:**

The current crisis called as systemic has affected all countries, regardless of their economic maturity. Consequences of the crisis, have a negative impact on both the real and the financial economy. Particular attention is paid to the substantial deepening of current deficit oriented fiscal management trends. Fiscal

deterioration, acceleration of public debt and the lack of fiscal space to implement counter cyclical measures intensified the long-term concerns about the sustainability of countries' public finances. Professional literature, empirical studies, whether taken measures of EU countries show a non-systematic measure implemented when addressing the everdeepening fiscal imbalances. The result of the project will be: to identify options of fiscal imbalance solution in SR in the context of already achieved positive and a negative partial results of the EU, as well as the newly adopted measures—quantified by prediction models and assessing the impact of debt monetization to the stability of financial market.

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<i>Project title:</i>	<b>Redefining regional development - moving towards resilient regions</b>
<i>Contract Number:</i>	VEGA - 1/0454/15
<i>Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Nataša Urbančíková, Iveta Korobaničová, Gabriela Koľveková, Peter Džupka, Miriam Šebová
<i>Duration:</i>	2015-2017

**Project description:**

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

The project examined the nature and extent of shocks, effects on the regional economy in Slovak conditions. The resistance response flexibility and adaptation of regional economies to shocks had been examined as well.

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

**Project description:**

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

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<i>Project title:</i>	<b>Development of banking sector and economic growth: Evidence from new EU countries after 10 years of membership</b>
<i>Contract Number:</i>	VEGA -1/ 1/0446/15
<i>Coordinator:</i>	Kristína Kočíšová
<i>Associated Faculty:</i>	Alena Mojsejová (2015-2017), Ivana Špirengová (2015-2016) Renáta Pitoňáková (2015-2017), Jakub Sopko (2017), Radovan Dráb (2017)
<i>Duration:</i>	2015-2017

**Project description:**

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

financial contagion as a result of interconnection of banks at transnational level. Realized research fills gap in current scientific research area, which describes relationship between development of BS and economic growth in surveyed countries.

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### 6.3 Project proposals submitted and accepted for funding

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During the year 2016 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 2017:

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<i>Project title:</i>	<b>Transformation of the monitoring outputs and structural analysis of specific morbidity in segregated and marginalized communities in Slovakia in to the development of active programs to eliminate inequalities in health in EU programs context</b>
Supported by:	Ministry of Education, Science, Research and Sport of the Slovak Republic
Contract Number:	VEGA 1/0961/17
Coordinator:	Beáta Gavurová
Duration:	2017-2018

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<i>Project title:</i>	<b>Perspectives of „GPP“ (Green Public Procurement) in public procurement at regional and local level</b>
<i>Supported by:</i>	Ministry of Education, Science, Research and Sport of the Slovak Republic
<i>Contract Number:</i>	VEGA 1/0750/17
<i>Coordinator:</i>	Tomáš Malatínek
<i>Duration:</i>	2016-2019

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<i>Project title:</i>	<b>Valuation of intangible assets and ways of its reporting</b>
Supported by:	Ministry of Education, Science, Research and Sport of the Slovak Republic
Contract Number:	VEGA 1/0311/17
Coordinator:	Jozef Glova
<i>Duration:</i>	2017–2018

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<i>Project title:</i>	<b>High-performance Computing for Effective Innovation in the Danube Region</b>
<i>Acronym:</i>	<b>InnoHPC</b>
<i>Supported by:</i>	INTERREG / Danube region programme
<i>Contract Number:</i>	DTP1-1-260-1.1
<i>Coordinator:</i>	Beáta Gavurová
<i>Duration:</i>	2017–2019

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<i>Project title:</i>	<b>Improving Capacities for Enhancing Territorial Attractiveness of the Danube Region</b>
<i>Acronym:</i>	<b>ATTRACTIVE DANUBE</b>
<i>Supported by:</i>	INTERREG / Danube region programme
<i>Contract Number:</i>	DTP1-1-270-4.1
<i>Coordinator:</i>	Beáta Gavurová
<i>Duration:</i>	2017–2019

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## **6.4 Research Activities of Students**

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

ŠVOČ at the faculty level were held in December 2016 with the following results:

- 1<sup>st</sup> place: Andrea Saxova: Slovakia's position in the world of downhill skiing
- 2<sup>nd</sup> place: Silvia Hricová: Summary and comparison of the issue of income distribution and poverty
- 3<sup>rd</sup> place: Michal Spišák: Electronic marketing of construction companies

All participants of SVOC students were given the opportunity to attend summer school in Romania.



Fig. 4: Winner of the SVOC competition



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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 Economy and Management of Public Administration. The study programme in Business Informatics is offered in cooperation with the Faculty of Electrical Engineering and Informatics of the Technical University of Košice.



Fig. 5: Promotional event (“The Day of Open Doors”) for pupils of secondary schools interested in study at the Faculty of Economics

### Study Programmes:

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

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

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

In the academic year 2016/2017 (registered till October 31, 2016) 717 full-time Slovak students, 28 international students, part-time bachelor- and master-level students - 180 Slovaks and 1 international student, and 33 internal and 22 external PhD students study at the the Faculty.



Fig. 6: Comitee of the 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 (288 hours of tuition) is focussed on the following target groups:

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

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

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

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

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

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

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

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## 9 EDUCATIONAL AND MOBILITY PROJECTS

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### 9.1 International Educational and other Projects

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

#### **Project description:**

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

In 2016 the needs of the implementing partners were assessed and a set of eight SOLE-boxes was proposed and study materials started being created. As of January 2017 three boxes have been finalized (Video-making, Introduction to IT, English Language), and the materials have been used as additional teaching materials in after-school sessions.

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

**Project description:**

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

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

**Project description:**

Within the project the new methods and tools to assess, certify and spend learning products in EQ framework have been developed. There are aimed to enhancing outdoor training as a vehicle to let production and international cooperation sector meet and, at the same time, to foster the adoption of CSR by the production system.

The project introduced modalities to certify acquired skills and incorporate them in the ethic skills area of EQF for managers. The approach of new contexts and methods to gain, meanwhile organizational skills and skills defined by the

ethical describers of EQF for managers to assess them, is an innovation because the venue of the training can be transferred from training centers and schools to an operative venue, while enhancing values that are objects and topics of the ethical competencies area in EQF for managers. During the third year three practical training in the area of CSR have been undertaken and catalogue of CSR courses has been prepared.

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

**Project description:**

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

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<i>Project title:</i>	<b>Managing Migration and Diversity through Local Government Capacity Building</b>
<i>Acronym:</i>	<b>MAMIDI</b>
<i>Contract Number:</i>	2016-1-SK01-KA204-022518
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Tomáš Malatínec
<i>Duration:</i>	2016-2018

**Project description:**

The MAMIDI project aims to build capacity of LG in order to be better prepared for the changes coming from present challenges of EU. The capacity will be enhanced by two main tools:

- Preparation and pilot run of the training for local government.
- Roadmap for managing migration and diversity for local government.

The multi-disciplinary design of the course would enable to train local government to be all round experts that are able to analyse and assess migration and diversity from multiple angles and work on these issues in diverse settings. This design will also manifest in the structure of the various disciplines and will provide a unique combination of expertise within a single course. The sociology track focuses specifically on the analysis of migration and integration processes and the societal implications of these processes. The public policy track focuses specifically on public policymaking and the broader political implications of migration and diversity.

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<i>Project title:</i>	<b>Occupational Safety and Risk Control in Construction and Metal Industry Sectors</b>
<i>Acronym:</i>	OccuSafeInCMIS
<i>Contract Number:</i>	2016-1-TR01-KA202-034976
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec
<i>Duration:</i>	2016-2018

### **Project description:**

A vocational education module will be developed for the metal sector students in order to increase their knowledge and awareness about occupational health and safety. Training skilled labor is one of the essential necessities of such global economy where knowledge and information technology is gaining more and more importance. Investing in labor force is the defining factor to enhance international competitiveness. Another instrument to increase occupational health and safety awareness shall be conducted through formal and non-formal education. A web portal shall be developed in order to facilitate vocational education. A mobile version shall also be added to the system so that users could access the portal via smartphones which could also increase the utility to maximum level. Moreover, best practices handbook shall be prepared and thanks to this experiences and contribution to capacity development of workers, employers and students shall be enhanced. In addition, Glossary on Risk Terminology shall be prepared so that the students of metal sector, employers and workers in construction sector could clearly apprehend the concepts and employ the knowledge in practice about occupational health and safety.



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<i>Project title:</i>	<b>Smart Innovation Living Environment</b>
<i>Acronym:</i>	<b>SMILE</b>
<i>Supported by:</i>	International Visegrad Fund
<i>Contract Number:</i>	21520242
<i>Coordinator:</i>	Beata Gavurová
<i>Associated Faculty:</i>	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák.
<i>Duration:</i>	2016–2017

**Project description:**

SMILE addresses the challenge of promoting the establishment of PCP and PPI in the public administration within the V4 area. The current situation shows little evidence of successful trials, while at the same time the use of public demand as a vehicle and accelerator of local R&D and innovation is becoming of considerable relevance for the implementation of S3 (regional innovation and smart specialization strategies) in all EU especially CE regions across the new programming period 20142020.

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<i>Project title:</i>	<b>Forestry Politics in V4 States: Experience for Ukraine</b>
<i>Contract Number:</i>	61500123
<i>Supported by:</i>	International Visegrad Fund
<i>Local Coordinator:</i>	Marianna Siničáková
<i>Associated Faculty:</i>	Radoslav Tušan
<i>Duration:</i>	2016-2019

**Project description:**

The course is created to promote knowledge about the experience of Visegrad states in the protection of forests. This course is designed for third-year students interested in forestry, ecology, and principles of EU Environmental Law. It covers principles of forestry policy, ecological safety in international, national, regional and local context, essence, purpose, kinds, technology and historical aspects of forestry policy. Emphasis is placed upon forestry funds, ecological import duty, ecological insurance, fines for forestry infringement, forestry audit, lease of natural resources, and forest certification.

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<i>Project title:</i>	<b>Establishment of Capacity Building Centers as a Sustainable Solution to Raise the Standards of Teaching Staff in Indian HEI's</b>
<i>Contract Number:</i>	JP 573616
<i>Supported by:</i>	European Commission – Erasmus+
<i>Local Coordinator:</i>	Michal Šoltés
<i>Associated Faculty:</i>	Marianna Siničáková
<i>Duration:</i>	2016-2019

**Project description:**

The overall objective, to which the project will contribute is to strengthen the capacity and quality of teaching at partner HEI's in India by the establishment of their own educational centers. The target goal of establishing the Capacity Building Centers is to offer an initial and continuous training for current and future university teachers with focus on pedagogical skills with ICT use. This will be done through preparing selected staff to conduct high-quality and innovative face-to-face, as well as elearning courses, deliver feedback and resources to make excellent teaching possible.

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## 9.2 National educational projects and Developmental activities

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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 2016

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

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

*Project manager:* Libuša Révészová, [Libusa.Reveszova@tuke.sk](mailto:Libusa.Reveszova@tuke.sk)

*Project implementation period:* October 2016 – March 2017

The aim of the project: Preparation and delivery of courses on Mathematics 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 2016	January 2017
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	January 2017	March 2017

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

*Project manager:* Dana Paľová, [Dana.Palova@tuke.sk](mailto:Dana.Palova@tuke.sk)

*Project implementation period:* May 2003 – August 2015

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

Project milestones:

- Retraining of teaching staff interested in the project,
- Preparation of on-line courses content for bachelor and master study programmes, Finance, Banking and Investment,
- Implementation and realization of blended learning (a combination of the face-to-face study supplemented with a distance education component) using LMS Moodle.

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

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*Project Title:* **Be a Hero**

*Project manager:* Daniela Petříková, [daniela.petrikova@tuke.sk](mailto:daniela.petrikova@tuke.sk)

*Project implementation period:* November 2016

### **Project description:**

In November 2016 the Faculty of Economics has implemented a project called BE A HERO! supported financially by the Nadácia Slovenskej sporiteľne (Slovenská Sporiteľňa's Foundation) with the sum of € 3,000. The project aimed to allow students with an economic focus to verify their knowledge of the fundamentals of first aid. The Activities were divided into two parts: the theoretical part lectured by Dr. Matus Maruniak and practical part of the training aimed at providing first aid. The project has become the basis for cooperation in future years. The project was implemented under the direction by D. Petříková, PhD, Assistant Professor, in cooperation with Barbora Petrová and Martina Rostašová (students from the Faculty of Economics) and in cooperation with Zuzana Semanová (student of the Faculty of Medicine of Pavol Jozef Safarik University in Kosice) and the Association of Medical Students in Košice.



Fig. 7: Training of the first aid

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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 2016 the Faculty cooperated for example with the following institutions in Slovakia – SLSP, a.s.; Tatrabanka, a.s.; VÚB banka, a.s.; IRB.sk, s.r.o.; NTS, s.r.o.; DDP Stabilita, a.s.; T-Systems Slovakia, Institute of Health Policies of the Ministry of Health in the Slovak Republic, National Health Information Center, The Office of the Government Plenipotentiary for Roma Communities, CRIF – Slovak Credit Bureau, s. r. o., Development Agency of Presov Self-governing region; Office of Kosice Self-governing region; Agency for the Support of Regional Development, Košice.

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

- University of Wuppertal, Germany
- University of Applied Sciences, Frankfurt am Main, Germany
- Berlin School of Economics and Law, Germany
- University of Nice – Sophia Antipolis, France
- University of Strasbourg, France
- University of Versailles Saint-Quentin-en-Yvelines, France
- Ecole de Management de Normandie, Le Havre, France
- Catholic University of Lille, France

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

- Slovenská obchodná a priemyselná komora,
- Slovenská komora daňových poradcov,
- Staffino,
- Challengest

The Faculty has also established good working contacts with:

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



- University of Toyama, Japan
- National Academy of Science – Institute of Regional Researches, Lviv, Ukraine
- Poltava National Technical University, Ukraine
- Donetsk National University (Vinnitsa), Ukraine
- Ternopil National Economic University, Ukraine
- Ukrainian National Forestry University, Transcarpathian Forestry Technical College, Ukraine
- Wroclaw University of Technology, Poland

During the academic year 2015/2016 65 of our students participated in the exchange study programmes, one student was involved in the two degree in London, Great Britain. Two students successfully accomplished their Bachelor two degree programme at the University of Nice Sophia Antipolis France. Mobilities from other EU countries to Slovakia also took place. 20 Erasmus students from Spain, Italy, France, Germany, Romania, Turkey, Poland and Latvia studied at our Faculty. In the same academic year, visiting teachers from the partner universities in the Germany, France, Czech Republic, Poland, Turkey, Romania, and Hungary gave lectures at the Faculty.

In the academic year 2016/2017 36 our students have already participated in exchange programme in winter semester and 16 students will participate in the summer semester.

Within two degree programmes, two students have been studying in Great Britain and three students at the University of Nice Sophia Antipolis France in 2016/2017.

The Faculty continues the cooperation with the University of Nice Sophia Antipolis, France within two diplomas programme. French speaking students at our Faculty have the possibility to choose optional courses in French. In the third year of their studies, students have to enroll in the University of Nice Sophia Antipolis and study directly at this University for two semesters in order to receive a Bachelor degree from the University of Nice Sophia Antipolis. Up to now, 91 students have been awarded the Bachelor degree, 30 students Master 1 degree, 5 students Master 2 degree, and 2 students PhD degree.

The Ministry of Foreign Affairs of the Republic of France as well as the Embassy of the Republic of France in Slovakia, support the cooperation and student can receive attractive scholarships granted by the French government. Faculty students involved in the two degree programme at the University of Nice (France) in 2014/15 and 2015/16 had their solemn graduation under the auspices of the French Embassy in Bratislava.

In 2016, 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 and respectable German companies. The students had an excellent opportunity to improve their business skills at the workplace and to develop contacts for their future career. This internship was lead by Dr.h.c. Ernst-Andreas Ziegler, visiting lecturer at the Faculty of Economics and prof. Lambert T. Koch, rector at the University of Wuppertal.



Fig. 8: Solemn graduation of Faculty students involved in the two degree programme at the University of Nice (France)

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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 2016:

- Lambert T. Koch, University of Wuppertal, Germany
- Ernst Andreas Ziegler, University of Wuppertal, Germany
- Petr Doucek, University of Economics, Prague, Czech Republic
- Renáta Nešporková, Business School Ostrava, Czech Republic
- Jiří Polách, Business School Ostrava, Czech Republic
- Lumír Kulháněk, VŠB - Technical University of Ostrava, Czech Republic

- Jitka Langhamrová, University of Economics, Prague, Czech Republic
- Tomáš Löster, University of Economics, Prague, Czech Republic
- Grzegorz Michalski, Wroslaw University of Economics, Poland
- Andrzej Kryniczki, Polonia University, Czestochowa, Poland
- Liviu Ciucan-Rusu, Petru Maior University of Tirgu Mures, Romania
- Maciej Dzikuć, University of Zielona Góra, Poland
- Anetta Barska, University of Zielona Góra, Poland
- Janina Jędrzejczak-Gas, University of Zielona Góra, Poland
- Laurent Dalmas, University of Versailles Saint Quentin en Yvelinnes, France
- Paulina Filip, University of Rzeszow, Poland
- Mariola Grzebyk, University of Rzeszow, Poland
- Milena Lazić, Belgrade Banking Academy, Serbia
- Mihajlo Djukić, Belgrade Banking Academy, Serbia
- Duško Bodroža, Belgrade Banking Academy, Serbia
- Hasan Hanić, Belgrade Banking Academy, Serbia
- Srdjan Redzepagić, University of Nice Sophia Antipolis, France
- Tõnis Mets, University of Tartu, Estonia
- Jan Mandys, University of Pardubice, Czech Republic
- Martin Užík, University of Applied Sciences in Berlin, Germany



Fig. 9: Visiting lecturer prof. Ziegler from University of Wuppertal (Germany)

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## 10.4 Visits of the Faculty Staff to Foreign Institutions

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Alena Andrejovská:

- University of Rzeszow, Poland
- Wrocław University of Economics, Poland

Anna Bánociová:

- University of Rzeszow, Poland

Luďmila Bartóková:

- University of Versailles Saint-Quentin-en-Yvelines, France

Ján Buleca:

- Belgrade Banking Academy, Serbia
- Ternopil National Economic University, Ternopil, Ukraine
- University of Strasbourg, France
- Wrocław University of Economics, Poland

Veronika Ďuricová:

- University Wuppertal, Germany

Radoslav Delina:

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

Beáta Gavurová

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

Ivana Gerhartová

- Montan University of Leoben, Austria

Jozef Glova:

- The Berlin School of Economics and Law, Berlin, Germany

Oto Hudec:

- The University of Naples Federico II, Italy
- University of Strasbourg, France
- Tomsk State University, Russian federation

Kristína Kočišová:

- Faculty of Economics, VŠB – Technical University of Ostrava, Ostrava, Czech Republic

Gabriela Kol'vecková:

- Odisee (Hogeschool-Universiteit Brussel and Katholieke Hogeschool Sint-Lieven), Belgium
- Oikos onlus (Organization for International KOoperation and Solidarity Onlus), Cinisi, Italy
- Rosto Solidário (Associação de Desenvolvimento Social e Humano), Porto, Portugal
- UNI-FLEXYS University Innovation Research and Development Public Nonprofit, Miskolc, Hungary
- VOKA (Chamber of Commerce East Flanders), Ghent, Belgium

Rajmund Mirdala:

- Università' degli Studi di Milano - Bicocca, Italy

Daniela Palaščáková:

- Uzhhorod National University, Uzhhorod, Ukraine
- Vasyl' Stus Donetsk National University, Vinnytsia, Ukraine
- Poltava National Technical University, Poltava, Ukraine

Daniela Petříková:

- University of Pardubice, Czech Republic

Manuela Raisová:

- University of Versailles, France

Anna Ruščáková

- University of Graz, Austria
- Berlin School of Economics and Law, Germany

Jozefína Semančíková:

- Link Campus University, Rome, Italy
- ECE Paris – Graduate School of Engineering, Paris, France

Marianna Siničáková:

- University of Strasbourg, France
- University of Nice Sophia Antipolis, France
- Belgrade Banking Academy, Serbia
- Doneck National University in Vinnytsia, Ukraine
- Poltava National Technical University, Ukraine

Tatiana Soroková:

- University of Pardubice, Czech Republic

Miriám Šebová:

- University of Calabria, Italy

Michal Šoltés:

- University of Strasbourg, France
- Belgrade Banking Academy, Serbia
- Doneck National University in Vinnytsia, Ukraine

- Poltava National Technical University, Ukraine
- Eubica Štiblárová:
- University of Economics, Prague, Czech Republic
- Radoslav Tušan:
- University of Oradea, Romania
  - Ukrainian National Forestry University, Transcarpathian Forestry Technical College, Chust, Ukraine
- Nataša Urbančíková:
- PIAP, Warsaw, Poland
  - Universidade CADI AYYAD Marakesh KSAEL, Chabarovsk, Russian federation
  - Tomsk University, Russian Federation
  - TREBAG, Budapest, Hungary
  - University of Maribor, Slovenia
  - IDEC, Pireus, Greece
- Viliam Vajda:
- European Commission, Brussels, Belgium
  - Romanian Academy, Bucharest, Romania
- Martin Vejačka:
- Croatian Society for Information and Communication Technology, Electronics and Microelectronics, Rijeka, Croatia
- Tomáš Želinský
- The University of Melbourne, Melbourne, Australia
  - University of Konstanz, Konstanz, Germany
  - Vienna University of Technology, Vienna, Austria
  - The University of East Anglia, Norwich, Great Britain
  - The University of Gothenburg, Gothenburg, Sweden
  - The Federal Statistical Office (Destatis), Germany
  - The Choice Lab (Norwegian School of Economics), Bergen, Norway
  - The School of Entrepreneurship and Management (ShanghaiTech University), Shanghai, China,
  - Xiamen University, Xiamen, China
  - CERGE-EI (Center for Economic Research and Graduate Education - Economics Institute), Prague, Czech Republic
  - Charles University, Czech Republic
  - University of Economics, Prague, Czech Republic
  - Institute of Sociology of the Academy of Sciences of the Czech Republic

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

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Alena Andrejovská:

- Member of the Slovak Chamber of Certified Accountants

Anna Bánociová:

- Member of the Slovak Chamber of Tax Advisors
- Member of the Slovak Chamber of Auditors
- Member of the Slovak Chamber of Certified Accountants
- Judge in the Field of Economics and Business – Taxation

Jozef Bucko:

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

Ján Buleca:

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

Radoslav Delina:

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

Beáta Gavurová:

- Editor in chief in E+M Ekonomie a management journal,
- Member of the Scientific Committee ICIST - The 21st International Conference on Information and Software Technologies (ICIST 2015),

- Member of the Expert Group of the Office of the Government Plenipotentiary for Roma Communities,
- Member of The Slovak Association of Business Management (SAPRIA),
- Member of Slovak Statistical and Demographical Society (SSDS),
- Member of ESR – Education Science Research,
- Member of Slovak Public Health Association (SAVEZ),
- Member of editorial board “Information Technology Applications”,
- Member of editorial board “eXclusive e-JOURNAL”,
- Member of editorial board “MAD – Magazine of Aviation Development, Czech Technical University in Prague”,

Jozef Glova:

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

Lenka Hudáková Stašová:

- Member of the Slovak Chamber of Certified Accountants

Oto Hudec:

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

Gabriela Koľveková

- Rosto Solidário, Portugal

Peter Kuzmišin:

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

Erika Liptáková:

- Member of the Slovak Statistical and Demographical Society, Slovakia

Rajmund Mirdala:

- Member of the Editorial Advisory Board of the scientific journal - Journal of Applied Research in Finance/ (ISSN 2066-5482)
- Executive Editor of the scientific journal - Journal of Advanced Studies in Finance (ISSN 2068-8393)
- Member of the Editorial Board of the scientific journal - Journal of Reviews on Global Economics (ISSN 1929-7092)



- Member of the Editorial Board of the scientific journal - Advances in Management and Applied Economics (ISSN 1792-7552)
- Member of the Editorial Board of the scientific journal - Business & Entrepreneurship Journal (ISSN 2241-312X)
- Member of the Editorial Board of the scientific journal - Journal of Statistical and Econometric Methods (ISSN 2241-0376)
- Editor of the Economic Section of the scientific journal - International Journal of Human Sciences (ISSN 1303-5134)
- Associate Editor of the scientific journal - Journal of Research in Economics and International Finance (ISSN 2315-5671)
- Editor of the scientific journal - Journal of Finance and Accounting (ISSN 2333-8849)
- Member of the Editorial Advisory Board of the scientific journal - Journal of Advanced Research in Economics and International Business (ISSN 2344-3774)
- Member of the Editorial Board of the scientific journal - Research and Applications in Economics/ (ISSN 2332-3868)
- Member of the Editorial Board of the scientific journal - Economics
- Member of the Scientific Board of Association for Sustainable Education, Research and Science (ASERS) (Romania)
- Member of the Committee on the National Bank of Slovakia Governor Award for the best PhD. and Master Thesis
- Member of the Editorial Board of the scientific journal - Business & IT (ISSN 1805-3777)
- Member of the Editorial Board of the scientific journal - Journal of Applied Economic Sciences (ISSN 1843-6110)
- Member of the Editorial Board of the scientific journal - Journal of Economics (ISSN 0350-137X)
- Member of the Programme Board of the scientific journal - The Research Journal of Bielsko-Biała School of Finance and Law (ISSN 2084-1809)
- Member of the Editorial Board of the scientific journal - Eastern European Business and Economics Journal (ISSN 2256-0521)
- Advisory Editor of the scientific journal - Alphanumeric | The Journal of Operations Research, Statistics, Econometrics and Management Information Systems (ISSN 2148-2225)

Daniela Palaščíková:

- Member of the Editorial Board of the scientific journal - Scientific Horizon, Slovakia (ISSN 1337-9054).

- Member of the Editorial Board of the scientific journal - Economic and law paradigm of development of the modern society, Ukraine (2414-0414).

Eudmila Pavlíková

- Member of IGIP (International Society for Engineering Education)

Dana Paľová:

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

Manuela Raisová:

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

Libuša Révészová:

- Member of Union of Slovak Mathematicians and Physicists

Tomáš Sabol:

- Member of the Editorial Committee of the Journal of Theoretical and Applied Electronic Commerce Research
- Member of the Scientific Steering Committee of the “Information Society Developments in the New Member States and Candidate Countries” 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 Editorial board, Journal of Economic Analysis, Serbia

Michal Šoltés:

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

Vincent Šoltés:

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

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

Alena Tartaľová:

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

Nataša Urbančíková:

- Member of the Editorial board of Japan Social Innovation Journal

Tomáš Želinský:

- National representative to The Board of European Courses in Advanced Statistics
- Scientific Secretary of the Committee of The Slovak Statistical and Demographic Society, Slovakia
- Executive Editor of The Forum Statisticum Slovakum journal
- Member of The Global Development Network, India
- Member of The R Foundation, Austria
- Member of The American Economic Association, USA
- Member of The Economic Science Association, USA
- Member of The International Association for Research in Income and Wealth, Canada
- Member of The Slovak Economic Association, Slovakia

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## 11 HABILITATIONS AND INAUGURATIONS

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### Habilitation and Inauguration Procedures

The Faculty was awarded habilitation and inauguration rights, i.e. the right to award title of Associate professor and Full professor, respectively in 2012 by the Slovak Accreditation Committee. In 2016 started the following habilitation and inauguration procedures of faculty's staff members:

#### Inauguration :

- **Assoc Prof. Radoslav Delina, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice,

#### Habilitation:

- **Alena Andrejovská, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Impact of effective corporate taxation on tax competition.
- **Ján Buleca, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Differentiation level of household income in the countries of the Visegrad Group.
- **Miriám Šebová, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Economic and social dimensions of city culture
- **Júlia Ďurčová, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: The impact of monetary policy on the monetary policy objectives in the new EU member states

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## 12 PhD STUDY

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

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In 2016 the following internal PhD students studied at the Faculty of Economics:

1. Jakub Danko: Macroeconomic Analysis of Financial Bonds in Dahlgren-Whitehead Health Determinants Model and its Modification in Terms of Marginalized and Segregated Communities in Slovakia. Supervisor: Prof. Vincent Šoltés;
2. Adriana Dúčová: Multidimensional assessment of financial performance of hospitals by experimental application of Balanced Scorecard. Supervisor: Assoc. Prof. Beata Gavurová;
3. Eva Huculová: The economic impact of the existence of disparities in access to care in regions of Slovakia in the context of demographic aging. Supervisor: Assoc. Prof. Beata Gavurová;
4. Lucia Fabianová: Flexibility quantification in strategy decision making and investment projects evaluation. Supervisor: Prof. Tomáš Sabol;
5. Lukáš Kakalejčík: Digital Analysis and its Use in Application as the Part of Business Intelligence. Supervisor: Assoc. Prof. Jozef Bucko;
6. Martin Kameník: Internal Devaluation and Performance of Euro Zone. Supervisor: Assoc. Prof. Rajmund Mirdala;
7. Slavomíra Martinková: The Effect of Tax Licenses on the Amount of Income Tax Collected for the State Budget. Supervisor: Assoc. Prof. Anna Bánociová;
8. Silvia Mrázková: Business Valuation Focusing on the Identification of Intangible Assets. Supervisor: Assoc. Prof. Jozef Glova;
9. Ivana Perželová: Quantification of Morbidity and Mortality Regulation Possibility in Slovakia and their Impact of the Financing of the Health System in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
10. Lukáš Pinka: Construction of Health Metrics and Health Care for the Evaluation of Financial Performance in the Health System Supervisor: Prof. Vincent Šoltés;
11. Anna Ruščáková: Controversial Issues in Monetary Policy Supervisor: Assoc. Prof. Rajmund Mirdala;
12. Jozefína Semančíková: Cointegration of Exports and Imports and Macroeconomic Performance. Supervisor: Assoc. Prof. Rajmund Mirdala;
13. Lenka Senderáková: Socioeconomic impact of transparency improvement on the market by digital single market development. Supervisor: Assoc. Prof. Radoslav Delina;

14. Jakub Sopko: Measurement of efficiency on the banking market  
Supervisor: Assoc. Prof. Kristína Kočišová;
15. Erik Suchý: Innovations and trends in development of insurance market In V4 countries. Supervisor: Assoc. Prof. Michal Šoltés;
16. Petra Szlafkaiová: Model for Economic and Financial Valuation of Smart City Strategies. Supervisor: Assoc. Prof. Peter Džupka;
17. Leoš Šafár: Quantitative easing as an alternative monetary policy instrument. Supervisor: Assoc. Prof. Marianna Siničáková;
18. Nikola Šimková: Perspectives and Influence of Global E-markets on the Development and Status of SME. Supervisor: Assoc. Prof. Radoslav Delina;
19. Monika Šiserová: Resilience and vulnerability of regions. Supervisor: Prof. Oto Hudec;
20. Ľubica Štiblárová: Business Cycles Synchronization in the Monetary Unions. Supervisor: Assoc. Prof. Marianna Siničáková;
21. Tomáš Štofa: Supervisor: Private Equity Investments – Future Scope in Slovak Republic and European Union. Assoc. Prof. Michal Šoltés;
22. Peter Tóth: Frequency spectrum forwards and the trading system within the Cognitive Radio. Supervisor: Prof. Vladimír Gazda;
23. Jana Zausinová: Economics of the complexity and its application in cognitive radio. Supervisor: Prof. Vladimír Gazda;
24. Martin Zoričák: Agent Based Model of the Tax Competition. Supervisor: Prof. Vladimír Gazda;
25. Martina Žudelová: Localisation Decisions from the Viewpoint of Behavioural Economics. Supervisor: Assoc. Prof. Tomáš Želinský;
26. Mhmed Omar Mohamad Abdulhafiz: Strategies of Liquid Assests Investment by Non-Profit Organizations. Supervisor: Assoc. Prof. Grzegorz Michalski;
27. Ahmidat Ahmed Khalil Masoud: Efficiency of Investment in Corporate Financial Liquidity. Supervisor: Assoc. Prof. Grzegorz Michalski;
28. Osama Husain Adali: Mortgage financing market in the comparative analysis of Slovakia and the United Kingdom. Supervisor: Assoc. Prof. Václav Dufala;
29. Ahmed Emhemed Hithim Boha: Financial Risk Indicators and overall Financial Risk Management. Supervisor: Assoc. Prof. Jozef Glova;
30. Benedict Ebenezer Alechenu: Inflation Targeting as a Central Bank monetary strategy. Supervisor: Assoc. Prof. Marianna Siničáková;
31. Alghwezi Abdulah Rhumah: Comparing Real Estate in European Banking System and Eastern System Banking. Supervisor: Assoc. Prof. Václav Dufala;

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## 12.2 External PhD Students at the Faculty of Economics

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32. Vladimíra Adamkovičová: Bankruptcy and Restructuring in Life Cycle of Business Entity. Supervisor: Assoc. Prof. Anna Bánociová;
33. Tatiana Baníková: Happiness, Economic Development and Innovations. Supervisor: Assoc. Prof. Radoslav Delina;
34. Patrik Bidovský: Economic Analysis and Measuring e-shops Effectiveness. Supervisor: Assoc. Prof. Jozef Bucko;
35. Radoslav Blahovec: Creative Economy and its Impact on Regional Competitiveness. Supervisor: Prof. Oto Hudec;
36. Guenter Blenderger: Best-in-class“ Corporate Governance Model in light of financial management decisions and financial firm performance. Supervisor: Assoc. Prof. Grzegorz Michalski;
37. Marek Blizco: Brain drain and drain return: global processes and local strategies. Supervisor: Prof. Oto Hudec;
38. Peter Breyl: Complex economic and process evaluation of eHealth and design of measuring its effectiveness. Supervisor: Assoc. Prof. Beáta Gavurová;
39. Michaela Durillová: Factors determining pensions in Slovakia. Supervisor: Assoc. Prof. Michal Šoltés;
40. Radomír Čisár: Electronic Trading of Securities - Application of Technical Analysis. Supervisor: Assoc. Prof. Michal Šoltés;
41. Peter Dosedla: Effects of Labor Migration on Economic Development. Supervisor: Assoc. Prof. Silvia Ručínská;
42. Lukáš Friga: Financial Behaviour of People from Marginalized Roma Communities. Supervisor: Prof. Vladimír Gazda;
43. Christian Hoffmeister: Stock Price Liquidity and the Influence on Market and Trading Strategies. Supervisor: Prof. Dr. Martin Užík;
44. Marek Horváth: Impact Assessment of Regional and Local Development. Supervisor: Assoc. Prof. Peter Džupka;
45. Tim Langenstein: Determination of the Market- Implied Systematic Risk. Prof. Dr. Martin Užík;
46. Marek Lavčák: Institutional factors of the formation and survival of start-ups and spin-offs. Supervisor: Prof. Oto Hudec
47. Viktória Lukáčová: Macroeconomic analysis of the healthcare market in Slovakia. Supervisor: Prof. Vincent Šoltés;
48. Peter Niroda: Suggestion of a concept of integration of the components of health and social systems into the process of regional economic development and their quantification. Supervisor: Assoc. Prof. Beáta Gavurová;

49. Stefan Stojanović: Financial Risk management in Western Balkan Countries and their Integration in the EU. Supervisor: Prof. Srdjan Redzepagić;
50. Shakhizada Suleimenova: The Economic Impact of ICT Investment in Kazakhstan and Surrounding Countries: Measurement, Evidence and Implications. Supervisor: Assoc. Prof. Jozef Glova;

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### **12.3 PhD Degrees Awarded in 2016**

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The following internal PhD students of the Faculty defended their PhD theses and were awarded PhD degree in 2016:

1. Beáta Csanková: The Possibility of Redistributing the Wealth in the World's Financial Architecture.
2. Martin Dujčák: Model of Financial Literacy Management and Decision Support within Family Expenses. Slávka Klasová: Regional Knowledge Bases and Innovation Systems.
3. Pavel Kisela: Selection Algorithm of Trading Strategies Based on Technical and Fundamental Analysis
4. Štefan Kováč: External and Internal Factors in Spatial Distribution of Economic Activities.
5. Michal Krajčík: Strategies on Hedge Fund Management.
6. Martin Kubačka: Market Networking Models.
7. Bibiána Nováková: Proposal for the Quality of Life Measurement Models and their Application at Different Levels.
8. Janka Pálfyová: Innovation as a Determinant of Growth of Performance and Competitiveness of Companies.
9. Damián Pastor: Knowledge Management in Knowledge Economy, Valuation of Knowledge Assets.
10. Ivana Špirengová: Bank Finance and Competitive Ability of Economics.
11. Tatiana Vagašová: Measuring the Effectiveness of the Health System in Slovakia.

The following External PhD students were awarded PhD degree in 2016:

12. Abdhahakim Mahfud: Financial Analyses by Using Financial Indicators.
13. Benjreed Morad: Financing Commercial Banking through the ECB Operations.
14. Bisher Tarjam Ali: Labour Migration Patterns, Policies and Migration Propensity in the North African Countries.
15. Duško Bodroža: Municipal Bonds as a Local Government Financing Source.



16. Mihajlo Djukić: Specific Evaluation of Companies in the Developing Markets
17. Andrea Kralik: The Impact of Tax Evasion and Tax Avoidance on Government Deficit and the Public Debt
18. Sukker Abdalla Ahmed: The Impact of Foreign Trade on Economic Development of the Arab Petroleum Exporting Countries.

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## 13 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 specialists from Slovakia and abroad.

**The Košice Economic Forum (KEF)**, which was established in 2016, represents a series of speeches and lectures held by respectful individuals from both academic environment and the practice for the Faculty staff, students, and general public. The main objective of the forum is to bring new ideas and incentives to the economic research at the faculty, to deepen knowledge in the field of current economic phenomena and to preserve dissemination of relevant research information. Most of the speakers were of the Slovak origin with remarkable achievements at the international level. Their story and contribution in the field of economics and finance could be inspiring especially for young researchers and students. During 2016, nine renowned speakers presented their research at the KEF:

- March 2016 - Jozef Makúch (governor of the National Bank of Slovakia) - Recent Monetary Policy Challenges, Banking Union
- April 2016 - Martin Kahanec (CELSI; CEU, HU; NHF EUBA) - What Explains Immigrant-Native Gaps in European Labour Markets: The Role of Institutions
- May 2016 - Július Horváth (CEU) - Education and Development
- June 2016 - Mikuláš Luptáčik (NHF EUBA) - Analysis and Quantification of a New Fiscally Neutral European Tax, Eco-Efficiency and Eco-Productivity Change Over Time in a Multisectoral Economic System
- September 2016 - Viliam Páleník (SAV) - Environmental Tax as the Possible Part of EU Own Resources
- October 2016 - Ľuboš Pástor (University of Chicago, US) - Defining the Key Challenges of the Capital Markets Union
- November 2016 - Vladimír Vaňo (Sberbank) - UK Brexit Poll and Its Implications on Financial Markets and Economy of GB and EA
- December 2016 - Jarko Fidrmuc (Zeppelin University, DE) - Macroeconomic Impact of Basel III: Evidence from a Meta-Analysis



Fig. 10: March 2016: Jozef Makúch, governor of the National Bank of Slovakia, “Recent Monetary Policy Challenges, Banking Union”

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## 14 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.

E-mail: [Alena.Andrejovska@tuke.sk](mailto:Alena.Andrejovska@tuke.sk)

**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.

E-mail: [Radoslav.Bajus@tuke.sk](mailto:Radoslav.Bajus@tuke.sk)

**Anna Bánociová, PhD, Associate Professor**

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

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

E-mail: [Anna.Banociova@tuke.sk](mailto:Anna.Banociova@tuke.sk)

**Ludmila Bartóková, PhD, Assistant Professor**

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

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

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

E-mail: [Ludmila.Bartokova@tuke.sk](mailto:Ludmila.Bartokova@tuke.sk)

**Peter Bednár, PhD, Researcher**

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

E-mail: [Peter.Bednár @tuke.sk](mailto:Peter.Bednar@tuke.sk)

**Martina Bobříková, 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.

E-mail: [Martina.Bobrikova@tuke.sk](mailto:Martina.Bobrikova@tuke.sk)

**Jozef Bucko, PhD, Associate Professor**

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

List of courses taught: Informatics I., Informatics II., Electronic Banking, Economical Information Systems and Decision Support Systems.

E-mail: [Jozef.Bucko@tuke.sk](mailto:Jozef.Bucko@tuke.sk)

**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.

E-mail: [Jan.Buleca@tuke.sk](mailto:Jan.Buleca@tuke.sk)

**Peter Burger, PhD, Assistant Professor:**

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

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

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

E-mail: [Peter.Burger@tuke.sk](mailto:Peter.Burger@tuke.sk)

### **Július Czap, PhD, Assistant Professor**

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

E-mail: [Julius.Czap@tuke.sk](mailto:Julius.Czap@tuke.sk)

### **Radoslav Delina, PhD, Associate Professor**

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

E-mail: [Radoslav.Delina@tuke.sk](mailto:Radoslav.Delina@tuke.sk)

**Peter Džupka, PhD, Associate Professor**

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

E-mail: [Peter.Dzupka@tuke.sk](mailto:Peter.Dzupka@tuke.sk)

**Júlia Ďurčová, PhD, Assistant Professor**

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

E-mail: [Julia.Durcova@tuke.sk](mailto:Julia.Durcova@tuke.sk)

**Veronika Ďuricová, PhD, Assistant Professor**

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

E-mail: [Veronika.Duricova@tuke.sk](mailto:Veronika.Duricova@tuke.sk)

**Beáta Gavurová, PhD, MBA, Associate Professor,**

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

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

E-mail: [Beata.Gavurova@tuke.sk](mailto:Beata.Gavurova@tuke.sk)

**Vladimír Gazda, PhD, Professor**

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

E-mail: [Vladimir.Gazda@tuke.sk](mailto:Vladimir.Gazda@tuke.sk)

**Jozef Glova, PhD, Associate Professor**

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

E-mail: [Jozef.Glova@tuke.sk](mailto:Jozef.Glova@tuke.sk)

**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.

E-mail: [Marek.Grof@tuke.sk](mailto:Marek.Grof@tuke.sk)

**Monika Harčariková, PhD, Assistant professor,**

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

E-mail: [Monika.Harcarikova@tuke.sk](mailto:Monika.Harcarikova@tuke.sk)

**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.

E-mail: [Jan.Hreno@tuke.sk](mailto:Jan.Hreno@tuke.sk)



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

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

E-mail: [Lenka.Stasova@tuke.sk](mailto:Lenka.Stasova@tuke.sk)

**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.

E-mail: [Oto.Hudec@tuke.sk](mailto:Oto.Hudec@tuke.sk)

**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.

E-mail: [Emilia.Jakubikova@tuke.sk](mailto:Emilia.Jakubikova@tuke.sk)

**František Janke, PhD, Assistant Professor**

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

E-mail: [Frantisek.Janke@tuke.sk](mailto:Frantisek.Janke@tuke.sk)

**Slávka Klasová, PhD, Assistant Professor**

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

E-mail: [Slavka.Klasova@tuke.sk](mailto:Slavka.Klasova@tuke.sk)

**Michal Kočíš, Researcher**

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

E-mail: [Michal.Kocis@tuke.sk](mailto:Michal.Kocis@tuke.sk)

**Kristína Kočíšová, PhD, Associate Professor**

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

E-mail: [Kristina.Kocisova@tuke.sk](mailto:Kristina.Kocisova@tuke.sk)

**Gabriela Kol'vecková, PhD, Assistant Professor**

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

E-mail: [Gabriela.Kolvekova@tuke.sk](mailto:Gabriela.Kolvekova@tuke.sk)

**Iveta Korobaničová, PhD, Assistant Professor**

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

E-mail: [Iveta.Korobanicova@tuke.sk](mailto:Iveta.Korobanicova@tuke.sk)

**Viliam Kováč, PhD, Researcher**

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

E-mail: [Viliam.Kovac@tuke.sk](mailto:Viliam.Kovac@tuke.sk)

**Peter Kostelník, PhD, Researcher**

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

E-mail: [Peter.Kostelnik@tuke.sk](mailto:Peter.Kostelnik@tuke.sk)

**Matúš Kubák, PhD, Assistant Professor**

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

E-mail: [Matus.Kubak@tuke.sk](mailto:Matus.Kubak@tuke.sk)

**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.

E-mail: [Peter.Kuzmisin@tuke.sk](mailto:Peter.Kuzmisin@tuke.sk)

**Erika Liptáková, PhD, Assistant Professor**

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

E-mail: [Erika.Liptakova@tuke.sk](mailto:Erika.Liptakova@tuke.sk)

**Tomáš Malatínec, PhD, Assistant Professor**

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

E-mail: [Tomas.Malatinec@tuke.sk](mailto:Tomas.Malatinec@tuke.sk)

**Lenka Maličká, PhD, Assistant Professor**

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

E-mail: [Lenka.Malicka@tuke.sk](mailto:Lenka.Malicka@tuke.sk)

**Lucia Mihóková, PhD, Assistant Professor**

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

E-mail: [Lucia.Mihokova@tuke.sk](mailto:Lucia.Mihokova@tuke.sk)

**Rajmund Mirdala, PhD, Associate Professor**

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

E-mail: [Rajmund.Mirdala@tuke.sk](mailto:Rajmund.Mirdala@tuke.sk)

**Alena Mojsejová, PhD, Assistant Professor**

Her areas of research interest include statistics of extreme values, univariate and multivariate modelling of extreme events in non-life insurance, econometrics and financial mathematics. List of courses taught by her: Probability and Statistics, Statistical Methods, Mathematics I, Mathematics II. She also teaches subjects in English within the Socrates/Erasmus programme. She participates in several national and international research projects.

E-mail: [Alena.Mojsejova@tuke.sk](mailto:Alena.Mojsejova@tuke.sk)

**Oľga Nosáľová, PhD, Assistant Professor**

Her research interests are in the area of economy structure and integration processes. Courses taught: Macroeconomics, Economic Policy, World Economy,

European Integration, and Master Degree Internship. At present she participates in several national research projects.

E-mail: [Olga.Nosalova@tuke.sk](mailto:Olga.Nosalova@tuke.sk)

**Daniela Palašćáková, PhD, Assistant Professor**

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

E-mail: [Daniela.Palascakova@tuke.sk](mailto:Daniela.Palascakova@tuke.sk)

**Dana Pařová, PhD, Assistant Professor**

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

E-mail: [Dana.Palova@tuke.sk](mailto:Dana.Palova@tuke.sk)

**Ludmila Pavliková, PhD, Assistant Professor**

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

E-mail: [Ludmila.Pavlikova@tuke.sk](mailto:Ludmila.Pavlikova@tuke.sk)

**Daniela Petriková, PhD, Assistant Professor**

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

E-mail: [Daniela.Petrikova@tuke.sk](mailto:Daniela.Petrikova@tuke.sk)

**Jozef Porvazník, PhD, Assistant professor**

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

E-mail: [Jozef.Porvaznik@tuke.sk](mailto:Jozef.Porvaznik@tuke.sk)

**Mojmír Pridavok, Researcher, PhD,**

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

E-mail: [Mojmir.Pridavok@tuke.sk](mailto:Mojmir.Pridavok@tuke.sk)

**Manuela Raisová, PhD, Assistant Professor**

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

E-mail: [Manuela.Raisova@tuke.sk](mailto:Manuela.Raisova@tuke.sk)

**Libuša Révészová, PhD, Assistant Professor**

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

E-mail: [Libusa.Reveszova@tuke.sk](mailto:Libusa.Reveszova@tuke.sk)

**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 in participation 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.

E-mail: [Tomas.Sabol@tuke.sk](mailto:Tomas.Sabol@tuke.sk)

### **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.

E-mail: [Stefan.Samson@tuke.sk](mailto:Stefan.Samson@tuke.sk)

### **Marianna Siničáková, PhD, Associate Professor**

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

E-mail: [Marianna.Sinicakova@tuke.sk](mailto:Marianna.Sinicakova@tuke.sk)

### **Marek Skokan, PhD, Researcher**

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

E-mail: [Marek.Skokan@tuke.sk](mailto:Marek.Skokan@tuke.sk)

### **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.

E-mail: [Tatiana.Sorokova@tuke.sk](mailto:Tatiana.Sorokova@tuke.sk)

**Adela Szalayová, Researcher**

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

E-mail: [Adela.Szalayova@tuke.sk](mailto:Adela.Szalayova@tuke.sk)

**Miriam Šbová, PhD, Assistant Professor**

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

E-mail: [Miriam.Sebova@tuke.sk](mailto:Miriam.Sebova@tuke.sk)

**Michal Šoltés, PhD, Associate Professor**

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

E-mail: [Michal.Soltes@tuke.sk](mailto:Michal.Soltes@tuke.sk)

**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.

E-mail: [Vincent.Soltes@tuke.sk](mailto:Vincent.Soltes@tuke.sk)

**Peter Šugerek, PhD, Assistant Professor**

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

E-mail: [Peter.Sugerek@tuke.sk](mailto:Peter.Sugerek@tuke.sk)

**Veronika Šulíková, PhD, Assistant Professor**

Her research interests are in the field of open macroeconomics, international economics and international finance. She is also interested



in panel data econometrics and time series econometrics. Courses taught: International Finance, Finance and Currency, Introduction to Econometrics (in French), Econometrics.

E-mail: [Veronika.Sulikova@tuke.sk](mailto:Veronika.Sulikova@tuke.sk)

**Andrea Tkáčová, Assistant professor, PhD,**

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

E-mail: [Andrea.Tkacova@tuke.sk](mailto:Andrea.Tkacova@tuke.sk)

**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, International Accounting Standards, Accounting of Public Sector. He also teaches subjects in English within the Erasmus programme.

E-mail: [Radoslav.Tusan@tuke.sk](mailto:Radoslav.Tusan@tuke.sk)

**Nataša Urbančíková, PhD, Associate Professor**

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

E-mail: [Natasa.Urbancikova@tuke.sk](mailto:Natasa.Urbancikova@tuke.sk)

**Viliam Vajda, PhD, Assistant Professor**

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

Courses taught: Technical Analysis, Forex, eBusiness.

E-mail: [Viliam.Vajda@tuke.sk](mailto:Viliam.Vajda@tuke.sk)

**Tatiana Vagašová, PhD, Researcher**

Her field of research includes measurement of the effectiveness of health care system in Slovakia, analysing the access and quality of medical care in the context of health demography.

E-mail: [Tatiana.Vagasova@tuke.sk](mailto:Tatiana.Vagasova@tuke.sk)

**Martin Vejačka, PhD, Assistant Professor**

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

E-mail: [Martin.Vejacka@tuke.sk](mailto:Martin.Vejacka@tuke.sk)

**Tomáš Želinský, PhD, Associate Professor**

Tomáš Želinský teaches Demography, Spatial Economics and Econometrics. is an Associate Professor at the Faculty of Economics, Technical University of Kosice, and has been a member of the faculty since 2009 when he completed his PhD in Finance. His principal teaching responsibilities in the undergraduate programs are in the area of social statistics, econometrics and spatial economics. His research interests lie in the area of poverty measurement, behavioural economics (with the focus on economic behaviour of the poor) and application of statistical methods in economics. He has been a principal investigator on three research projects and a member of a number of research teams. He has served on several conference and workshop programme and organising committees. Among others, he is currently the scientific secretary of the Slovak Statistical and Demographic Society and the national representative to The Board of European Courses in Advanced Statistics. During his academic career Tomáš has been awarded a number of scholarships and fellowships, such as: Visegrad Scholarship Programme (visiting CERGE-EI in 2016/2017), The Group of Eight (Go8) European Fellowships (visiting The University of Melbourne in 2015/2016), Ernst Mach Grant for PostDocs (visiting The Vienna University of Economics and Business in 2011/2012), National Scholarship Programme of the Slovak Republic (visiting The University of Economics in Prague & Charles University in 2008/2009), and Jan Hus Educational Foundation Scholarship for young researchers (in 2012/2013).

E-mail: [Tomas.Zelinsky@tuke.sk](mailto:Tomas.Zelinsky@tuke.sk)



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

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## 15 SELECTED PUBLICATIONS PUBLISHED IN 2016

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### 15.1 Books and Chapters in Books

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AAB001 [171871] **Súvislosti príjmovej polarizácie na Slovensku** / Iveta Pauhofová ... [et al.] - 1. vyd. - Bratislava : Ekonomický ústav Slovenskej akadémie vied - 2016. - 229 s.. - ISBN 978-80-7144-259-2.

[PAUHOFOVÁ, Iveta - KOŠTA, Ján - MARTINÁK, Dávid - ONDROVIČ, Adrián - PÁLENÍK, Michal - STANĚK, Peter - STEHLÍKOVÁ, Beáta - ŽELINSKÝ, Tomáš]

ABC001 [177710] **Economics of Associations and Volunteering 44/** Eva More-Hollerweger ... [et al.] - 2016. In: The Palgrave Handbook of Volunteering, Civic Participation, and Nonprofit Associations : Volume 2. - USA : Palgrave Macmillan, 2016 P. 1074-1090 [1,36 AH]. - ISBN 978-1-137-26316-2

[MORE-HOLLERWEGER, Eva - BOWMAN, Woods - GAVUROVÁ, Beáta - KUVIKOVÁ, Helena]

ACB001 [168184] **Matematika 2** / Vincent Šoltés ... [et al.] - 4. upr. vyd. - Košice : TU - 2016. - 136 s.. - ISBN 978-80-553-2487-6.

[ŠOLTÉS, Vincent - HUDEC, Oto - RÉVÉSZOVÁ, Libuša - HUDÁKOVÁ, Dáša - CZAP, Július]

ACB002 [170001] **Financie podniku** Teória a praktikum/ Radoslav Bajus - 1. vyd - Košice : TU, EkF - 2016. - 247 s.. - ISBN 978-80-553-2520-0.

[BAJUS, Radoslav]

ACB003 [170535] **Verejná správa** / Elena Žárska ... [et al.] - 1. vyd - Bratislava : Ekonóm - 2016. - 354 s.. - ISBN 978-80-225-4228-9.

[ŽÁRSKA, Elena - TVRDOŇ, Jozef - KLIMOVSKÝ, Daniel - ČERNĚNKO, Tomáš - ŠEBOVÁ, Miriam]

ACB004 [172104] **Inovačná a klastrová politika** / Peter Burger - 1. vyd. - Košice : TU - 2016. - 109 s.. - ISBN 978-80-8086-257-2.

[BURGER, Peter]

ACB005 [174345] **Manažment bankových operácií** / Kristína Kočišová - 2. vyd - Košice : Technická univerzita - 2016. - 299 s.. - ISBN 978-80-8086-260-2.

[KOČIŠOVÁ, Kristína]

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## 15.2 Journal publications, Current Content

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ADC001 [145899] **Culture-led regeneration through the young generation: Košice as the European Capital of Culture** / Oto Hudec, Peter Džupka - 2016. In: European Urban and Regional Studies. Vol. 23, no.3 (2016), p. 531-538. - ISSN 0969-7764 Spôsob prístupu: <http://eur.sagepub.com/content/early/recent>. [HUDEC, Oto - DŽUPKA, Peter]

ADC002 [168182] **M2-edge colorings of cacti and graph joins** / Július Czap, Peter Šugerek, Jaroslav Ivančo - 2016. In: *Discussiones Mathematicae - Graph Theory*. Vol. 36, no. 1 (2016), p. 59-69. - ISSN 1234-3099 Spôsob prístupu: <http://www.discuss.wmie.uz.zgora.pl/gt/>. [CZAP, Július - ŠUGEREK, Peter - IVANČO, Jaroslav]

ADC003 [168183] **On an extremal problem in the class of bipartite 1-planar graphs** / Július Czap, Jakub Przybylo, Erika Fecková Škrabuláková - 2016. In: *Discussiones Mathematicae Graph Theory*. Vol. 36, no. 1 (2016), p. 141-151. - ISSN 1234-3099 Spôsob prístupu: <http://www.discuss.wmie.uz.zgora.pl/gt/>. [CZAP, Július - PRZYBYŁO, Jakub - FECKOVÁ ŠKRABULÁKOVÁ, Erika]

ADC004 [169626] **An Agent-Based Economy Model of Real-Time Secondary Market for the Cognitive Radio Networks** / Ján Pastirčák ... [et al.] - 2016. In: *Journal of Networks and System Management*. Vol. 24, no. 2 (2016), p. 427-443. - ISSN 1064-7570 Spôsob prístupu: [http://apps.webofknowledge.com/full\\_record.do?product=CCC&search\\_mode=GeneralSearch&qid=2&SID=VI7aoZkyjjjADuoltBX&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=CCC&search_mode=GeneralSearch&qid=2&SID=VI7aoZkyjjjADuoltBX&page=1&doc=1). [PASTIRČÁK, Ján - FRIGA, Lukáš - KOVÁČ, Viliam - GAZDA, Juraj - GAZDA, Vladimír]

ADC005 [169858] **EU vision of sustainable agriculture, land use, forestry and management of natural resources - level of the Slovak state administration convergence to the EU requirements** / Tomáš Malatinec, Eleonóra Marišová, Lucia Grešová - 2016. In: *International Journal of Sustainable Development and World Ecology*. Vol. 23, no. 3 (2016), p. 257-265. - ISSN 1350-4509 Spôsob prístupu: <http://www.tandfonline.com/doi/full/10.1080/13504509.2015.1117994>. [MALATINEC, Tomáš - MARIŠOVÁ, Eleonóra - GREŠOVÁ, Lucia]

ADC006 [172129] **Efektívna priemerná daňová sadzba z kapitálu aplikovaná na slovenské podmienky** / Nikola Šimková - 2016. In: *Politická ekonomie*. Vol. 64, no. 1 (2016), p. 51-64. - ISSN 0032-3233 Spôsob prístupu: <https://www.vse.cz/polek/1054>.

[ŠIMKOVÁ, Nikola]

ADC007 [174636] **Priepustnosť menových kurzov nových členských krajín Európskej únie** / Rajmund Mirdala, Júlia Ďurčová - 2016.In: Politická ekonomie. Vol. 64, no. 4 (2016), p. 377-404. - ISSN 0032-3233  
[MIRDALA, Rajmund - ĎURČOVÁ, Júlia]

ADC008 [174747] **Facial packing edge-coloring of plane graphs** / Július Czap, Stanislav Jendroľ - 2016.In: Discrete Applied Mathematics. Vol. 213 (2016), p. 71-75. - ISSN 0166-218X Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S0166218X1630227X>.  
[CZAP, Július - JENDROĽ, Stanislav]

ADC009 [175161] **First insights into indoor and outdoor Culicoides activity related to the risk period for Bluetongue virus transmission in Eastern Slovakia** / Adela Sarvašová ... [et al.] - 2016.In: Acta Parasitologica. Vol. 61, no. 4 (2016), p. 743-755. - ISSN 1230-2821  
[SARVAŠOVÁ, Adela - KOČIŠOVÁ, Alica - LIPTÁKOVÁ, Erika - HLAVATÁ, Helena - MATHIEU, Bruno]

ADC010 [175712] **Gender differences in beliefs and actions in a framed corruption experiment** / Miloš Fišar ... [et al.] - 2016.In: Journal of Behavioral and Experimental Economics. Vol. 63 (2016), p. 69-82. - ISSN 2214-8043 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S2214804316300489>.  
[FIŠAR, Miloš - KUBÁK, Matúš - ŠPALEK, Jiří - TREMEWAN, James]

ADD001 [171870] **Occupational Mobility, Educational Mobility and Intergenerational Transmission of Disadvantages in Europe** / Tomáš Želinský, Martina Mysíková, Jiří Večerník - 2016.In: Ekonomický časopis. Roč. 64, č. 3 (2016), s. 197-217. - ISSN 0013-3035  
[ŽELINSKÝ, Tomáš - MYSÍKOVÁ, Martina - VEČERNÍK, Jiří]

ADD002 [174634] **Sources of real exchange rate fluctuations in new EU member states** / Rajmund Mirdala - 2016.In: Ekonomický časopis. Roč. 64, č. 5 (2016), s. 440-457. - ISSN 0013-3035  
[MIRDALA, Rajmund]

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### 15.3 Scientific issues in journals registered in Web of Science or SCOPUS databases

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ADM001 [169445] **System of day surgery in Slovakia: analysis of pediatric**

**day surgery discrepancies in the regions and their importance in strategy of its development** / Beáta Gavurová, Marek Šoltés - 2016.In: *Ekonomie a management*. Vol. 19, no. 1 (2016), p. 74-92. - ISSN 1212-3609  
[GAVUROVÁ, Beáta - ŠOLTÉS, Marek]

ADM002 [169823] **Gold price risk management through Nova 3 option strategy created by barrier options** / Michal Šoltés, Monika Harčariková - 2016.In: *Investment Management and Financial Innovations*. Vol. 13, no. 1 (2016), p. 49-60. - ISSN 1810-4967  
[ŠOLTÉS, Michal - HARČARIKOVÁ, Monika]

ADM003 [170115] **Quality of life research: Material living conditions in the Visegrad group countries** / Bibiána Nováková, Vincent Šoltés - 2016.In: *Economics & Sociology*. Vol. 9, no. 1 (2016), p. 282-294. - ISSN 2071-789X  
Spôsob prístupu: [http://www.economics-sociology.eu/files/24\\_244\\_Novakova\\_Soltes.pdf](http://www.economics-sociology.eu/files/24_244_Novakova_Soltes.pdf).  
[NOVÁKOVÁ, Bibiána - ŠOLTÉS, Vincent]

ADM004 [170141] **Relevance of Outcomes Implementation of Specific Economic and Social Analyses of Mortality for Modification of Avoidable Mortality Concepts** / Beáta Gavurová, Marek Gróf - 2016.In: *Journal of Applied Economic Sciences*. Vol. 11, no. 1 (2016), p. 65-78. - ISSN 1843-6110  
Spôsob prístupu: [http://cesmaa.eu/journals/jaes/files/JAES\\_spring%201%2839%29%20Spring%202016\\_online.pdf](http://cesmaa.eu/journals/jaes/files/JAES_spring%201%2839%29%20Spring%202016_online.pdf).  
[GAVUROVÁ, Beáta - GRÓF, Marek]

ADM005 [170173] **Regional Aspects of Business Cycle Synchronization in the V4 Countries** / Marianna Siničáková, Ľubica Štiblárová - 2016.In: *Journal of Applied Economic Sciences*. Vol. 11, no. 2 (40) (2016), p. 257-270. - ISSN 1843-6110  
[SINIČÁKOVÁ, Marianna - ŠTIBLÁROVÁ, Ľubica]

ADM006 [170178] **Centralised or decentralised public financing of clusters** / Nataša Urbančíková, Peter Burger - 2016.In: *Journal of Business Economics and Management*. Vol. 17, no. 2 (2016), p. 267-282. - ISSN 1611-1699  
Spôsob prístupu: <http://www.tandfonline.com/doi/full/10.3846/16111699.2013.839477>.  
[URBANČÍKOVÁ, Nataša - BURGER, Peter]

ADM007 [170678] **Health and its effects on the quality of life in the EU**

**countries** / Bibiána Nováková, Tatiana Vagašová - 2016.In: Scientific Annals of Economics and Business. Vol. 63, no. 1 (2016), p. 1-14. - ISSN 2501-3165 Spôsob prístupu: <http://saaic.feaa.uaic.ro/index.php/saaic/article/view/230>.  
[NOVÁKOVÁ, Bibiána - VAGAŠOVÁ, Tatiana]

ADM008 [170954] **Use of augmented reality and gamification techniques in tourism** / Peter Mesároš ... [et al.] - 2016.In: e-Review of Tourism Research. Vol. 13, no. 1/2 (2016), p. 366-381. - ISSN 1941-5842 Spôsob prístupu: <http://ertr.tamu.edu/volume-13-issue-12-march-2016-applied-research-notes-3/>.  
[MESÁROŠ, Peter - MANDIČÁK, Tomáš - MESÁROŠOVÁ, Alena - HERNANDEZ, Manuel Ferrer - KRŠÁK, Branislav - SIDOR, Csaba - ŠTRBA, Lubomír - MOLOKÁČ, Mário - HVIŽDÁK, Ladislav - BLIŠŤAN, Peter - DELINA, Radoslav]

ADM009 [171048] **Examination of the crisis effects on macroeconomic development and convergence in the new European monetary union member states** / Júlia Ďurčová, Ľudmila Bartóková - 2016.In: Journal of Applied Economic Sciences. Vol. 11, no. 1 (2016), p. 44-54. - ISSN 1843-6110  
[ĎURČOVÁ, Júlia - BARTÓKOVÁ, Ľudmila]

ADM010 [171100] **Predictive possibilities of day surgery hospitalized patients' rate in Slovakia during 2009 – 2013 and its health policy significance** / Beata Gavurova, Samuel Korony - 2016.In: Journal of Applied Economic Sciences. Vol. 11, no. 2 (2016), p. 293-297. - ISSN 1843-6110  
[GAVUROVÁ, Beáta - KORÓNY, Samuel]

ADM011 [171102] **Regional differences of standardised mortality rates for ischemic heart diseases in the Slovak Republic for the period 1996–2013 in the context of income inequality** / Beáta Gavurová, Tatiana Vagašová - 2016.In: Health Economics Review. Vol. 6, no. 21 (2016), p. 1-12. - ISSN 2191-1991 Spôsob prístupu: <http://link.springer.com/article/10.1186/s13561-016-0099-1>.  
[GAVUROVÁ, Beáta - VAGAŠOVÁ, Tatiana]

ADM012 [171128] **Determinants of Leviathan in the European Countries** / Lenka Maličká - 2016.In: Journal of Applied Economic Sciences. Vol. 11, no. 1(2016), p. 97-106. - ISSN 1843-6110  
[MALIČKÁ, Lenka]

ADM013 [171493] **Analysis of shadow economy in Slovakia: Comparison to other EU countries** / Daniela Palascakova - 2016.In: Actual Problems of



Economics. Vol. 178, no. 4 (2016), p. 63-68. - ISSN 1993-6788 Spôsob prístupu: <http://eco-science.net/downloads.html>.

[PALAŠČÁKOVÁ, Daniela]

ADM014 [171885] **Analysis of Innovative Start-Up Companies – Case of Košice Region** / Peter Džupka, Slávka Klasová, Viliam Kováč - 2016.In: Quality Innovation Prosperity. Roč. 20, č. 1 (2016), s. 40-56. - ISSN 1335-1745  
[DŽUPKA, Peter - KLASOVÁ, Slávka - KOVÁČ, Viliam]

ADM015 [171993] **Venture and development capital of V4 countries in the period of 2012-2014** / Radoslav Bajus, Lenka Hudáková Stašová - 2016.In: Economic Annals 21. Vol. 158, no. 3-4(2016), p. 8-12. - ISSN 1728-6220  
[BAJUS, Radoslav - HUDÁKOVÁ STAŠOVÁ, Lenka]

ADM016 [172110] **Estimation of vat gap in Slovak Republic** / Lucia Mihóková, Alena Andrejovská, Ján Buleca - 2016.In: Actual Problems of Economics. Vol. 180, no. 6(2016), p. 327-336. - ISSN 1993-6788  
[MIHÓKOVÁ, Lucia - ANDREJOVSKÁ, Alena - BULECA, Ján]

ADM017 [172265] **Efficiency measurement in healthcare work management using malmquist indices** / R. Stefko, B. Gavurova, S. Korony - 2016.In: Polish Journal of Management Studies. Vol. 13., no. 1 (2016), p. 168-180. - ISSN 2081-7452  
[ŠTEFKO, Róbert - GAVUROVÁ, Beáta - KORÓNY, Samuel]

ADM018 [172266] **Efficiency of day surgery in Slovak regions during the years 2009-2014** / Beáta Gavurová, Samuel Koróny - 2016.In: Economic Annals-XXI. Vol. 159, no. 5-6 (2016), p. 80-84. - ISSN 1728-6220  
[GAVUROVÁ, Beáta - KORÓNY, Samuel]

ADM019 [172394] **Market structure and banking sector performance** / Kristína Kočišová - 2016.In: Journal of Applied Economic Sciences. Vol. 11, no. 4 (2016), p. 709-719. - ISSN 1843-6110  
[KOČIŠOVÁ, Kristína]

ADM020 [172735] **Effect of competition among suppliers on public procurement efficiency** / František Janke, Miroslava Packová - 2016.In: Economic Annals-21. Vol. 159, no. 5-6 (2016), p. 38-42. - ISSN 1728-6220  
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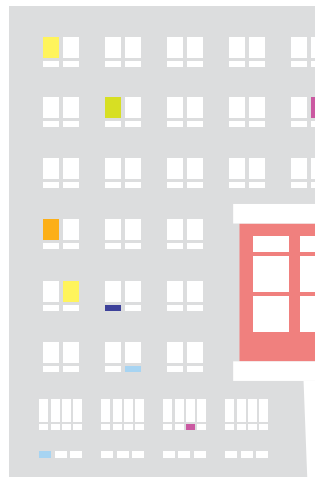
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Assoc. Prof. Beáta Gavurová, PhD. MBA  
Technical University of Košice  
Faculty of Economics  
Nemcovej 32, 042 00 Košice  
Slovak Republic  
Tel.: +421-55-602 3267  
E-mail: [beata.gavurova@tuke.sk](mailto:beata.gavurova@tuke.sk)  
Website: <http://www.tuke.sk/ekf/en/index.php>



Fig. 12: St. Elisabeth Cathedral in Košice





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