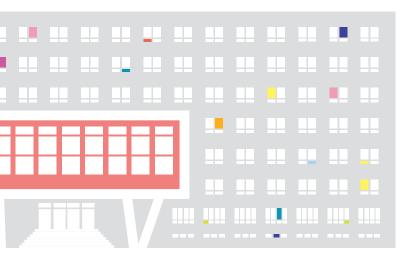
### Technical University of Košice FACULTY OF ECONOMICS

**ANNUAL REPORT 2018** 



TECHNICAL UNIVERSITY OF KOŠICE Faculty of Economics Technical University of Košice

# **Faculty of Economics**

# ANNUAL REPORT 2018



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### Faculty of Economics

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# 1 Foreword

Dear Ladies and Gentlemen,

The year 2018 was rather turbulent for all the society, our Faculty was not an exception. We experienced tough fight for better projects, better publications, better students, long and emotional discussions about our Faculty present positioning as well as future development. We survived, even successfully. We are better, further, stronger.

The Annual Report provides an overview of research related activities at the Faculty of Economics of the Technical University in Košice during the year 2018. The report provides information on the research priorities of the Faculty of Economics, a description of research and educational projects carried out by the Faculty staff members, and includes also data on international cooperation of the Faculty. Information about the PhD study, including information on PhD theses, also indicates the



orientation of the research activities at the Faculty. Finally, short CVs of the staff members and a list of selected publications published during the year 2018 complete the picture of our research and educational activities.

The Annual Report is aimed especially at universities, private and governmental institutions, abroad as well as in the Slovak Republic, interested in collaboration in the area of research, educational activities, as well as consultancy and advisory services. The Report also targets university graduates who would be interested in PhD study at our Faculty.

The Faculty of Economics is putting emphasis on international cooperation in the area of research and education, trying to foster links with institutions in private and public sectors, and thus respond to their needs and to the needs of society in general. Hopefully, this Report gives at least some indication of this effort. All readers, whether interested in cooperation with the Faculty or simply willing to provide some feedback on the activities mentioned in this Annual Report, are kindly invited to contact us.

Michal Šoltés dean



# 2 Background

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

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



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

**Our Vision:** The Faculty of Economics strives to be a sought-after faculty providing education in the spirit of democracy and humanism, leading students to tolerance and the capacity of critical and creative thinking, establishing conditions for free-ranging scientific research and dissemination of original and mediated knowledge, as well as systematically



involving itself in international cooperation, so that it can take its rightful place among the highest-quality faculties of economics in the unified Europe.

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



Fig. 2: The Technical University of Košice



# **3 Faculty Management**

#### Dean:

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Secretary of the Faculty:

#### JUDr. Mária Geralská

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# 4 Departments

The Faculty of Economics has five departments.

# **4.1 Department of Economic Theories**

The Department staff members are doing research in the field of fiscal and monetary policy, European monetary integration, exchange rates, macroeconomic imbalances, economic growth, global value chains, behavioral economics and optimization methods.

The Department offers courses in the following economic disciplines:

- on the Bachelor level: Microeconomics and Macroeconomics, National Economy, World Economy, International Economics, History of Money, History of Economic Thinking, Economic Policy.
- on the Master level: Monetary Macro-analysis, European Integration, International Trade Forms, Monetary Policy, Crises Management, Introduction to Economic Modelling, Behavioral Finance, Mathematical Economics.
- on the PhD. level: Advanced Macroeconomic and Microeconomic Theory, Monetary Macro-analysis, Theories and Models of Economic Growth.

The Department also offers courses in the following social science disciplines:

• Psychology, Sociology, Social Communication, Ethics and Communication, Diplomatic Protocol, Business Ethics.

Department's staff participates in the following activities organized on the faculty level: Košice Economic Forum (KEF), double diploma programme (University of Nice Sophia Antipolis).

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

E-mail: Rajmund.Mirdala@tuke.sk

# 4.2 Department of Finance

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

The Department's teaching activities include Corporate Finance, International Finance, Taxes and Tax Systems, Finance and Currency, Financial Markets, Accounting and Auditing, Public Finance, Economic Policy and Financial Derivatives. The curriculum is a dynamic, keeping up with current trends and innovation in the area of finances. The Department is involved in several research projects.

Head of the Department: Assoc. Prof. Anna Bánociová, PhD

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

The Department's research activities are focused on analysis of foreign direct investments, banking, actuarial science, business process measuring and business modelling, ebusiness, trust building, applications of information technologies in SMEs and public sector (e-Business, e-Procurement, e-Government etc.) and data mining 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 eBusiness, as well as in national research projects focused on banking, e-Business – 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, Central Banking, Management of Banking Operations, Fundamentals of Investment, Portfolio Management, Financial Derivatives, Actuarial Science, Risk and Uncertainty in Finance, Technical Analysis, Financial Decisions and e-Commerce.

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

E-mail: Radoslav.Delina@tuke.sk

## 4.4 Department of Regional Science and Management

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

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

The Department supports student activities, e.g. student debate club and organizes 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, Urban and Regional Planning, Innovation Policy, Spatial Economics, Regional Labour Market, Economics and Analysis of Municipal Companies, Local Development, Demographics and Forecasting, Municipal Politics, European Regional Policy, Argumentation and Academic Debate, Managerial Games.

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

E-mail: Peter.Dzupka@tuke.sk



# 4.5 Department of Applied Mathematics and Business Informatics

The Department's research activities are focused on the topic of the Information Society in the context of its impact on citizens, education and businesses, as well as the policy aspects and regulatory framework of electronic communication networks. Information sharing on web-based platforms and electronic financial services, e.g. implementation of e-banking and mobile payment systems are investigated as well. The Department is involved in several international and national research projects in the area of Enterprise and Entrepreneurship, Innovation. The Department stuff work also as partners in several international educational projects mainly in the area of e-Learning, distance learning, life-long education, transfer of innovation, entrepreneurial education and partnerships in adults learning. Involvement in the research and educational project results into enhancement of provided educational process.

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

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

E-mail: Jozef.Bucko@tuke.sk



# **5** Research Priorities

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

- 1. Finance, Banking, Investment
  - Analysis of financial markets and investment tools;
  - Effective allocation of financial resources;
  - Tasks and issues of financial investment and control;
  - Analysis of investments and foreign direct investments (FDI);
  - Analysis of the financial status of small and medium-size enterprises (SMEs);
  - Financial and accounting theory.
- 2. Business Informatics
  - Measuring economic efficiency of information and communication technology (ICT) applications;
  - Socio-economic analysis of ICT applications;
  - e-Business, e-Procurement, e-Banking, e-Government, and e-Health;
  - Information Society development, benchmarking etc.;
  - Trends and indicators of Knowledge Economy and Information Society development, knowledge management and knowledge technologies, innovation (especially innovation related to application of ICT);
  - Information and network trust and security;
  - Methodology and methods of economics and business process modelling
  - 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
- 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.

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



Fig. 3: Team-building day of the faculty



# 6 Research Projects

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

The research projects are funded from the following sources:

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

### 6.1 International R&D Projects

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

#### **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.



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

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.

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

#### **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. Main result of the project will be architecture for building, validation and deploying of data analytics models for the predictive control or maintenance



Project t	title:
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# Opportunity ReCognition and Exploitation in a Circular Economy for RIS (ORCERIS)

Supported by:H2020, EIRT, Raw materialsContract Number:17123Coordinator:Nataša UrbančíkováAssociated faculty:Oto HudecDuration:2018-2020

#### Project description:

The ORCERIS project (funded by EIT RawMaterials) aims at increasing the success rate of new business ideas for the circular economy and raw materials. It does so by bringing together existing insights and tools for supporting entrepreneurs and firms in adopting circular ideas from 3 previous EIT RawMaterials KAVA projects, and by developing a training programme that those involved in innovation support services can integrate into their activities. Radboud University, VITO and Wuppertal Institute together develop a customized TTT workshop to share their best practices on entrepreneurial activities in the circular economy. Each of the two focal regions, Kosice and Budapest, will then conduct workshops for their target group ranging from start-up firms with a focus on circular business models to established SMEs who would like to explore which possibilities the idea of a circular economy might hold for them.

Project title:	CROWDfunding to mainSTREAM innovation
Acronym:	CrowdStream
Contract Number:	DTP1-1-006-1.1
Supported by:	Interreg Danube Transnational Programme
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák,
	Libuša Révészová
Duration:	2017– 2019
Website:	http://www.interreg-danube.eu/approved-projects/crowdstream

#### **Project description:**

A major challenge for the sustainable economic & social development in the Danube region is the difficulty in accessing finance for small & micro enterprises.

Availability of bank loans for SMEs & spin-offs & social enterprises has since the beginning of the fin. crises declined by more than 25%, while collateral requirements have increased by 34%. SMEs still contribute more than half of total value added in non-financial economy & provided 80% of all new jobs. Lack of finance for small enterprises continues to have a negative impact on the innovative economy & the job market. Banks or public guarantee funds cannot solve this challenge. Current regulations such as Basel IV make it impossible for banks to finance risky innovative businesses. Even the EC identified this as a European Challenge and answers with strategies on alternative financing.

Thus, EUSDR Priority Axis coordinators nominated in April 2016 CrowdStream as a strategic project to address the challenges highlighted under PA 8 COMPETITIVENESS OF ENTERPRISES & PA 10 STEP UP INSTITUTIONAL CAPACITY.

CrowdStream's main objective is to improve the effectiveness of public/private business-support for innovative spin-offs & social enterprises to access qualitative alternative financing (crowdfunding). The CrowdStream project will initiate a change in the financing market. Due to quality labelling and capacity building activities there will be a major shift from donation based to equity based crowdfunding.



Project title:	High-performance Computing for Effective Innovation in the
	Danube Region
Acronym:	InnoHPC
Contract Number:	DTP1-1-260-1.1
Supported by:	Interreg Danube Transnational Programme
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák, Jozef Bucko
Duration:	2017– 2019
Website:	http://www.interreg-danube.eu/approved-projects/innohpc

High performance computing (HPC) is an emerging general-purpose technology. It can improve framework conditions for innovations by drastically increasing effectiveness of innovations and reducing product development time. However, while most advanced HPC infrastructure and knowledge are located in well-off western parts of the Danube region, enterprises - especially SMEs - from its eastern parts have limited access and competencies. Transnational cooperation in the region is limited, which is further hindering innovation. The main objective of InnoHPC is to create transnational HPC laboratory for co-designing knowledge-intensive innovative products with high value-added in transnational value-chains. Key outputs are transnational InnoHPC Lab pooling regional HPC infrastructure and competencies, web platform providing HPC access, integrated services and capacity building tools, and sustainability toolkit, to support durability of InnoHPC Lab beyond the project. To achieve them, InnoHPC will, first, conduct a focused regional HPC benchmark, second, design and create a transnational InnoHPC Lab, third, develop HPC web platform providing HPC access and capacity-building tools and finally, pilottest InnoHPC Lab and the platform with two pilots with SMEs in electronic and automotive sectors. InnoHPC targets SMEs and clusters, providing the opportunity to increase efficiency of innovations and join transnational value-chains in the Danube region. Higher education and research institutions with HPC will get access to exciting real-life cases and opportunities to exploit their entrepreneurial potential. Policy-makers and business support organizations will receive a valuable institutional support for their policies and initiatives. InnoHPC project is a pioneering effort to improve framework conditions for innovation by providing unique institutional and technological infrastructure, designed specifically to pool and exploit HPC infrastructure on a transnational level.



Project title:	Improving Capacities for Enhancing Territorial Attractiveness of
	the Danube Region
Acronym:	ATTRACTIVE DANUBE
Contract Number:	DTP1-1-270-4.1
Supported by:	Interreg Danube Transnational Programme
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák,
	Kristína Kočišová
Duration:	2017–2019
Website:	http://www.interreg-danube.eu/approved-projects/attractive-danube

Territorial attractiveness (TA) is reflected in the set of specific economic, environmental and social potentials of a territory which make it competitive in comparison to other territories. Through good governance, policies can maximise these potentials to increase attractiveness of the regions for residents, visitors and investors. The main challenge in the Danube Region is lack of capacities of target groups involved in development planning for more efficient and cooperative multilevel governance considering the needs of all stakeholders.

The main project objective is to strengthen multilevel and transnational governance and institutional capacities of policy planners involved in territorial development of the Danube Region, which will result in more harmonised governance system of the area. This will be achieved by firstly establishing a permanent common transnational platform for monitoring territorial attractiveness (CO-TAMP), 11 national platforms (TAMP), and Territorial attractiveness atlas. Secondly, we will implement an intensive capacity building programme for empowering multilevel public authorities and civil society in 11 countries related to development planning resulting in enhanced skills and knowledge. Finally, the policy integration process, including transnational workshops, policy recommendations and memorandum of understanding, will capitalise the results and assure the long-term impact and leverage effect in the society. By such innovative approach, combining the capacity building with user friendly web platforms on TA, the target groups will learn to identify and utilise territorial potentials of the Danube Region. Policy planners at all levels representing economic, environmental and social aspects, as well as civil society, business and academia, will be able to better respond to development trends and societal challenges in the region, shaping the territorial policies in order to create a more attractive Danube Region.



Project title:	Fostering Innovation in the Danube Region through Knowledge
	Engineering and IPR Management
Acronym:	KNOWING IPR
Contract Number:	DTP2-076-1.1
Supported by:	Interreg Danube Transnational Programme
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák
Duration:	2018 – 2021
Website:	http://www.interreg-danube.eu/approved-projects/knowing-ipr

KnowING IPR will improve framework conditions for innovation in the Danube region by developing a transnational KnowING IPR platform, which will provide an open access tool for advanced intellectual property rights (IPR) analysis, and guidelines for improved and harmonized IPR policy framework across the Danube region. It will ensure broader and needs-based access to existing innovation and research results, to patents and to IPR knowledge and will encompass services and training for the management of IPR and for support to commercialization of research results and technology transfer.

Project title:	Strengthening social innovation and entrepreneurial spirit of secondary schools' students by using highly innovative Learning System
Acronym:	InnoSchool
Contract Number:	DTP2-021-1.2
Supported by:	Interreg Danube Transnational Programme
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák
Duration:	2018– 2021
Website:	http://www.interreg-danube.eu/approved-projects/innoschool

#### **Project description:**

InnoSchool tackles the need for system change to support weak entrepreneurial culture and low engagement to social innovation and entrepreneurship. Its general objective is to strengthen social innovation and entrepreneurial spirit of secondary schools' students by development and introduction of highly innovative Learning System. InnoSchool Learning System (ILS) will be developed by using intensive learning interaction among project partners and using inclusive design process involving policy bodies, secondary schools, territorial business supporting actors and organizations working in social services. Its main uniqueness lies in two main innovations introduced for adolescents of age 17-18 years – (1) introduction of serious game for online simulations joined with teacher lecturing/guiding sessions to maximize educational impact through experiental learning and (2) social media and interschool competition inclusion to boost attractivity for students.



Project title:	Week of Innovative Regions in Europe 2017
Acronym:	WIRE2017
Contract Number:	775984, H2020
Supported by:	European Commission, H2020
Project type:	H2020-IBA-SEWP-WIRE-8-2017
Coordinator:	Radoslav Delina
Associated Faculty:	Radovan Dráb, Lenka Senderáková, Rajmund Mirdala, Jozef Bucko,
	Miriam Šebová
Duration:	2017 – 2018
Website:	<u>www.wire2017.eu</u>

The purpose of this proposal was the organisation of the Week of Innovative Regions in Europe 2017 (WIRE VIII) conference in Kosice (Slovakia). The conference was held from 28 to 30 June 2017 after the Slovak Presidency of the Council of the European Union. The tasks in 2018 were focused on capitalisation of WIRE2017 results for further conferences and organisators and dissemination activities. In general, the objectives of WIRE VIII are as follows:

- Contributing substantially to maximising and understanding the societal impact of research, innovation and regional policy in digitalisation on regions and people
- To support R&I ecosystem stakeholders (quadruple helix) in utilization of benefits from digitalisation and enhance trusted initiatives and policy formation for effective innovative and socially responsible regional development
- To contribute to responsible creation of the future in H2020 and regional R&I

Project title:	Utilizing Innovation Potential of Urban Ecosystems
Acronym:	URBAN INNO
Supported by:	INTERREG Central Europe
Contract Number:	C677
Local coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák, Jozef Bucko, Dana Paľová.
Duration:	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.



### 6.2 National R&D Projects

Project title:	Determinants of Digital Single Market development and implementation in the field of global supply chains and in relation to changes of behavior of participants on the market
Supported by:	Slovak Research and Development Agency
Contract Number:	APVV-16-0368
Coordinator:	Radoslav Delina
Associated Faculty:	Marek Gróf, Radovan Dráb, Rajmund Mirdala, Lenka Senderáková,
	Renáta Olejárová, Marek Macík
Duration:	2017 - 2019

#### Project description:

The main objective of the project is the identification and understanding the determinants of Digital Single Market development as new EC strategy for the are of actors cooperation on the market and its impact on digital business ecosystem evolution, stability and efficiency. The objective of this new strategy is the support of innovative e-services and business models development for the market and to identify real opportunities and strategies digital single market development support. Within the project, potential and determinants of standardisation, interoperability, trust, data economy and digital business platform implementation into global supply chains will be analyzed. It is necessary to identify strategies for effective implementation of real innovation and understand the impact and changes of behavior on the market (e.g. by higher transparency). Together, the concept of sharing (semi)sensitive business data will be analyzed and new sharing motivation model for sharing of business data on single digital infrastructure will be proposed. For the purpose of identification and analysis of the impact and behavioral changes, combination of empirical and experimental research will be performed. Empirical research will be based on large datawarehouse with data from real environment of esupply chains. As an output, new strategies for real innovation of digital single market implementation and for policy support will be defined.

Project title:	Multidimensional analysis of significant determinants of public procurement efficiency with emphasis on the application of Health Technology Assessment in the procurement preparation phase
Supported by:	Slovak Research and Development Agency
Contract Number:	APVV-17-0360
Coordinator:	Beáta Gavurová
Associated Faculty:	František Janke, Mojmír Prídavok, Miroslava Packová, Martin Dujčák, Ivana Perželová.
Duration:	2018 - 2021

#### Project description:

Effective public procurement as an important part of the economy is a challenge for every state, every public entity in transferring the finances from public to private sector. There are currently several studies aimed at efficiency of the procurement processes of different goods and services at the level of the economy, industry or contracting authorities. One of the key sectors (in and out of the SR), which has been the subject of analyses of procurement efficiency in recent years, is healthcare, which has long been faced with criticism of inefficient public procurement. In spite of



that many non-governmental organizations (in particular Transparency International Slovakia) point to the ineffectiveness of public procurement in Slovakia, there is no available and functional methodology for optimalisation of settings and evaluation of the efficiency of public procurement. Following this, the submitted project will focus on the analysis of public procurement in the health sector in the Slovak Republic and the subsequent development of a set of measures to increase efficiency in public procurement, focusing on the stage of public procurement preparation that has significant impact on the public procurement outcomes. The excellence and originality of our research lies in a comprehensive understanding of public procurement issues, within which we deal with the application of innovative approaches to quantify the impact of the subject specification on significant aspects of healthcare (eg treatment efficiency, costeffectiveness and security aspects). This process includes optimalisation of the procurement in order to achieve the best value for money.

Project title:	Research of the issue of Online Reputation Management (ORM) of subjects from automotive industry
Supported by:	Slovak Research and Development Agency
Contract Number:	APVV-15-0511
Coordinator:	Radoslav Delina
Associated Faculty:	Radovan Dráb
Duration:	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.

Project title:	The economic model of the electronic spectrum markets Theoretical Economic Model for Future Real Time Spectrum Markets
Supported by:	Slovak Research and Development Agency
Contract Number:	APVV 15-0358
Coordinator:	Vladimír Gazda
Associated Faculty:	Tomáš Sabol, Peter Tóth, Martin Zoričák, Juraj Gazda, Peter Drotár,
	Gabriel Bugár, Dušan Kocur, Július Horváth, Marcel Vološin, Jana
	Zausinova
Duration:	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.

Project title:	Universities and economic development of regions
Supported by:	Slovak Research and Development Agency
Contract Number:	APVV-014-0512
Coordinator:	Oto Hudec
Associated Faculty:	lveta Korobaničová, Slávka Klasová, Nataša Urbančíková, Miriam
	Šebová, Peter Džupka, Žofia Sinčáková
Duration:	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.

Project title:	Development of methodological platform for evaluation of efficiency in the financial and non-financial sector
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 1/0794/18
Coordinator:	Kristína Kočišová
Associated Faculty:	Radovan Dráb, Alena Mojsejová, Peter Šugerek, Jakub Sopko
Duration:	2018-2020

#### **Project description:**

The proposed project fills the gap in current empirical literature focused on the evaluation of the efficiency in the financial and non-financial sector, based on the application of "new" DEA models. The research will be carried out in several areas. Firstly, the existing theoretical concepts of efficiency assessment in the financial and non-financial sector and ways of defining input and output variables will be studied, focusing on examining the shortcomings



of the original DEA models. Secondly, the "new" DEA models will be theoretically defined to address the shortcomings found in the original DEA models. Thirdly, the efficiency will be evaluated on the selected sample, which will serve to apply the above models in practice. Last but not least, a methodological platform for evaluating efficiency based on the use of the R software will be developed. A manual of scripts will be developed with a detail description of the used methods, which will serve to solve the research tasks for researchers and students.

Project title:	Economic Implications and Perspectives of the Participation of the Slovak Republic in the Process of Production Activities Fragmentation within Global Value Chains
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA 1/0961/16
Coordinator:	Rajmund Mirdala
Associated Faculty:	Ľudmila Bartóková, Julia Ďurčová, Gabriela Koľveková, Peter Kuzmišin (2016-2017), Olga Nosáľová, Daniela Palaščáková, Daniela Petríková (2016-2017), Manuela Raisová, Tatiana Soroková, Martin Kameník, Anna Ruščáková (2016-2017), Jozefína Semančíková
	(2016-2017).
Duration:	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 factora 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.

Project title:	Evaluation of the efficiency of public procurement of selected commodities in healthcare facilities in the Slovak Republic
Supported by: Contract Number:	Ministry of Education, Science, Research and Sport of the SR VEGA 1/0846/18
Coordinator:	Beáta Gavurová
Associated Faculty:	František Janke; Mojmír Prídavok; Miroslava Packová; Martin Dujčák; Andrea Tkáčová; Viliam Kováč; Libuša Réveszová
Duration:	2018 – 2019

#### Project description:

The project is aimed at analyzing the effectiveness of public procurement (PP) in health care in the SR and the subsequent creation of a rule metric for effective PP of various commodities in the field of providing healthcare. Many healthcare facilities are inefficient, which is due to the lack of information on comparative offers or the lack of a PP methodology



or an assessment of its effectiveness. Healthcare is one of the key sectors of the state – as we can see in the SR also a long-term inefficient sector. The aim of the project is therefore to define benchmarks and "efficiency" ranges for procured commodities that can be used to decide on the convenience of commodity purchase prices. The second objective of the project, based on the analysis of PP conditions, is to set optimal rules for the setting up of leaked PP for individual commodities in a non-discriminatory and transparent manner, resulting in increased interest in the contract and, ultimately, increased competition and reduced purchasing prices.

Project title:	Income Stratification and Polarization Perspective of Slovakia until 2030
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 2/0026/15
Coordinator:	Iveta Pauhofová
Associated Faculty:	Tomáš Želinský, Daniela Petríková, Tatiana Soroková, Alena
	Mojsejová
Duration:	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.

Project title:	Indebtedness of local municipalities of Slovakia, the Czech Republic and Hungary and its impact on financing of public services
Supported by: Contract Number: Coordinator:	Ministry of Education, Science, Research and Sport of the SR VEGA - 1/0559/16 Lenka Maličká
Associated Faculty: Duration:	Veronika Šuliková, Lenka Hudáková Stašová, Radoslav Bajus, Leoš Šafár 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.



Project title:	Measuring and Reporting Intangible Assets
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 1/0311/17
Coordinator:	Jozef Glova
Associated Faculty:	Alena Andrejovská, Anna Bánociová, Darya Dancáková, Silvia
	Mrázková, Veronika Puliková, Martina Regásková, Ján Buleca
Duration:	2017-2018

This project aims to explore value creation through intangibles within Europe, taking into consideration investment in the research and development as well as intangible fixed assets. Authors discussed and elaborated theoretical models and empirically tested the assumption that there is a positive relationship between the intensity of R&D expenditures as well as investment in intangible assets to total assets in comparison with the increase in relation to other regressors. The authors used different econometrical models and proofed a positive impact of the proportion of R&D expenditures on total assets on firm value. It is proved that internal or own research and development is evaluated by the market. However, the strategy of externally acquiring intangible assets instead of their development is evaluated by the market negatively. This work contributes primarily to the field of corporate finance and financial management in companies that use intangibles.

Project title:	Perspectives of "GPP" (Green Public Procurement) in public procurement at regional and local level
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 1/0750/17
Coordinator:	Tomáš Malatinec
Associated Faculty:	Slávka Klasová, Miriam Šebová
Duration:	2017-2019

#### **Project description:**

Green public procurement (GPP) is a process in public procurement whereby public authorities seek to procure goods, services and works with a reduced environmental impact throughout their life cycle when compared to goods, services and works with the same primary function that would otherwise be procured. Environmental criteria are involved in "green" purchasing. GPP has direct environmental benefits, it is supporting innovation and contributing to specific municipal and regional policy goals. The concept of GPP is promoted by the European Commission. Scientific aim of the project consists of evaluation of the GPP perspectives in local and regional practice with regards to the Europeanization of public procurement legislative framework. Based on the results, current state of the GPP in practice at local and regional level can be evaluated both in the phase of voluntarity and in the case of GPP vision de lege ferenda.



Project title:	Analysis of models of public services delivery in the field of construction order performance from the aspect of technical, size, and spatial allocation efficiency of local governments
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 1/0190/17
Coordinator:	Peter Fandel (SUA Nitra)
Associated Faculty:	Tomáš Malatinec
Duration:	2017-2019

Currently, the performance of the competencies in the field of construction order is performed by two models: (1) competent municipal office, for the cases when competence is performed for the citizens of one municipality, (2) joint construction office, for the cases when the performance of the competence is realized for more than one associated municipality. The cooperation aiming to establishment of the joint municipal office, in accordance with the § 20a of the Act No 369/1990 Coll. on municipal establishment, as amended, is motivated by the effort to increase the efficiency and decrease the costs for services' delivery. The results of the partial research realized by the applicants of this project as well as economic literature in this field are not unambiguous. The aim of the project is to analyze the impact of the establishment of the joint municipal offices on the efficiency of the services' delivery, by the indicator: technical efficiency. This indicator serves as indicator of total efficiency, scale efficiency as indicator of optimal scope office for achieving maximal productivity, size efficiency as indicator of potential for associating the offices and optimal spatial allocation of joint offices as a potential for improving the efficiency from the point of view of serviced population.

Project title:	The socioeconomic valuation and measurement of economic efficiency of cultural institutions focused on museums and galeries in Slovakia
Supported by:	Ministry of Education, Science, Research and Sport of the SR
Contract Number:	VEGA - 1/0806/18
Coordinator:	Miriam Šebová
Associated Faculty:	lveta Korobaničová, Peter Džupka, Slávka Klasová, Erika Liptáková,
	Zuzana Réveszová, Tatiana Soroková
Duration:	2018-2020

#### **Project description:**

The main objective of the project is to analyse the socio-economic contributions of culture, to evaluate the economic efficiency of museums and art galleries and to formulate the methodology for their assessment. The project will be organised at various stages. The first stage will focus on case studies concerning the evaluation of socio-economic contributions of selected museums and art galleries by employing the methods of valuating nonmarketable goods (e.g. WTP). The economic efficiency of museums and art galleries located in the Slovak republic will be analysed by DEA analysis during the second stage. The third stage will be based on the questionnaire outputs gathered by museums and galleries visitors. Combining the above-mentioned approaches the input data will be obtained in order to create the methodology related to the assessment of socio-economic efficience of museums and art galleries in Slovakia.



### 6.3 International Educational and other Projects

Project title:	EU Public Procurement
Acronym:	EUPP
Supported by:	European Commission – Erasmus+
Contract Number:	600477-EPP-1-2018-1-SK-EPPJMO-MODULE
Coordinator:	Tomáš Malatinec
Duration:	2018-2021

#### Project description:

The Module **EU Public Procurement** contains teaching and research activities focused on EU public procurement. Academic added value stems from introduction of special content focusing on legal, administrative, economic and environmental aspects of EU public procurement policy into economic study programs. The module is designed for students who are not directly connected to the EU integration studies. The module strives to prepare professionals skilled in EU public procurement by providing professional education and research. Outputs will be available for anyone who might be interested. The module also promotes first teaching and research activities in the field of EU integration studies for young teacher/researcher. The module delivers tailor-made course on specific EU topic relevant for students and practitioners in their professional life.

Project title:	Return on Investment of Work Based learning and Apprenticeships
Acronym:	ROI
Supported by:	European Commission – Erasmus+
Contract Number:	2017-1-SK01-KA202-035375
Coordinator:	Nataša Urbančíková
Associated Faculty:	Oto Hudec, Jozef Bľanda
Duration:	2017-2019

#### Project description:

"Rol of WBL and apprenticeships" project suggests the development of a return on investment (Rol) model and digital tool that will allow European SMEs to calculate and visualise how investment on WBL and apprenticeships can manifest to multiple benefits.

The innovative force of the project is the focus of its model to SMEs needs as well as the integration in the model and the digital tool of both SMEs-related benefits as well as society-related ones in order to clearly demonstrate the multilevel outcomes derived from work-based learning & apprenticeship practices.

The general objectives of the project are:

- make apparent the benefits of WBL and apprenticeships at the level of individual SMEs and the society.
- promote WBL and apprenticeships by motivating the engagement of SMEs.

The direct target groups are SME's entrepreneurs, managers and staff as well as VET providers (vocational training centres, professional schools, employment centres) that cooperate with SMEs for the provision of WBL and apprenticeships.



At second level, it targets VET stakeholders and policy makers, national representatives of European networks as well as VET practitioners and experts.

The main results of the project are:

- A model for the calculation of Rol of WBL and apprenticeships by SMEs
- A digital online tool that will demonstrate in visual way the Rol model
- A Good Practices Guide addressed to SMEs, giving guidance on how to design, implement and monitor profitable apprenticeship practices which can benefit the enterprise, the apprentice and the entire society.
- Creation and promotion of an apprenticeship-friendly SMEs badge to increase the engagement of companies in the provision of WBL.
- Promotion of VET SMEs cooperation, through experimentation and validation of the Rol model.

Project title:	Educationfor Local Development of Rural Areas
Acronym:	ELDORA
Supported by:	European Commission – Erasmus+
Contract Number:	2017-1-SK01-KA202-035388
Local Coordinator:	Nataša Urbančíková
Associated Faculty:	Oto Hudec, Jozef Bľanda
Duration:	2017-2019

#### Project description

The aim of the project is to strengthen the key competences and skills of young people at their final year at schools (VET institutions and universities), unemployed young people and leaders in rural areas to help them start a social enterprise in order to better utilize local natural and human resources, to increase economic development of rural areas and to prevent brain drain. In "European employment strategy" strong support to entrepreneurship and self-employment is given with special focus on **social entrepreneurs**. Intellectual outputs cover Handbook *How to Establish and Manage Social Enterprises* and best practices collection, Teaching plan and teaching material for trainingseries and e-learning videos and Gamification.

Project title: Acronym: Supported by: Contract Number: Coordinator: Associated Faculty: Duration:	Tracking Learning and Career improve quality of VET provision ON TRACK European Commission – Erasmus+ 2018-1-SK01-KA202-046331 Oto Hudec Nataša Urbančíková 2018-2020	Paths	of	VET	graduates,	to
Duration:	2018-2020					

#### **Project description**

The project "On Track" aims to develop a tracking system for VET graduates of initial vocational education and training schools and institutes. The tracking system will gather qualitative and quantitative data from VET graduates, related to further education, employment, career paths, skills and competences required in the labour market, etc, with the aim to provide feedback to the quality assurance system of the VET provider and inputs to the design of VET qualifications and programmes, planning and implementation of learning processes, additional services, such as vocational guidance, support to VET students, networking with labour market, provision of work-based learning.



Project title:	Reforming Master Programmes in Finance in Armenia and
	Moldova
Acronym:	REFINE
Supported by:	European Commission – Erasmus+
Contract Number:	585784-EPP-1-2017-1-AT-EPPKA2-CBHE-JP
Local Coordinator:	Nataša Urbančíková
Associated Faculty:	Oto Hudec, Vladimír Gazda, Jozef Glova, Radoslav Tušan, Peter
	Džupka
Duration:	2017-2020

REFINE addresses the need for reform of study programmes in Finance with regard to contents and teaching methodologies / pedagogical approaches. Moreover, it addresses the demand for alignment of study programmes with labour market demands to provide the Armenian and Moldovan economies with highly skilled graduates in Finance.

Against this background the wider objective of REFINE is to enhance the quality and relevance of six existing Master (MA) programmes in Finance in Armenia and Moldova through targeted reforms.

The specific objectives are:

- 1. To reform six existing MA curricula in Finance taking into account the latest international developments in the subject area
- 2. To promote the quality and relevance of the MA programmes through the development of updated and new course materials
- 3. To further develop the competences and skills of teaching staff through training courses in innovative teaching methodologies and current topics in Finance
- 4. To increase the alignment of the MA programmes with labour market requirements

Project title:	Establishment of Capacity Building Centers as a Sustainable
	Solution to Raise the Standards of Teaching Staff in Indian HEI's
Acronym:	CABCIN
Supported by:	European Commission – Erasmus+
Contract Number:	573616-EPP-1-2016-1-PL-EPPKA2-CBHE-JP
Local Coordinator:	Michal Šoltés
Associated Faculty:	Marianna Siničáková, Ján Buleca
Duration:	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.

Specific Project Objectives are:

• To create campuswide teaching culture by establishment the Capacity Building Centers with open and flexible access to its e-learning resources



- To build own capacity by preparing selected staff towards delivering trainings for academics
- To develop map of key teaching competencies in order to design tailormade courses for current and future university teaching staff
- To develop key selfregulation and self-managing competencies for teaching staff in order to overcome the obstacles that they face during the teaching process by preparing teaching programs with focus on pedagogical skill
- To enlarge number of trained staff by implementing innovative blended courses with ICT use
- To create possibility of applying gained skills and building international teaching and research networks by developing European Visiting Program

Project title:	Recovery the Crisis through Entrepreneurial Attitude	
Acronym:	RECREATE	
Supported by:	European Commission – Erasmus+	
Contract Number:	2017-1-PL01-KA203-038438	
Local Coordinator:	Peter Džupka	
Associated Faculty:	Radovan Dráb, lveta Korobaničová, Slávka Klasová, Tomáš	
	Malatinec, Miriam Šebová, Nataša Urbančíková, Oto Hudec, Dana	
	Paľová, Martin Vejačka, Tomáš Štofa	
Duration:	2017-2019	

REcovery the CRisis through Entrepreneurial ATtitudE - RECREATE - aims to address:

- the creation of links between higher education, research and business especially at regional level
- the acquisition of transversal and entrepreneurial attitude among young researchers and students, in order to contribute to recovery of the current economic crisis.

Furthermore, RECREATE aims to stimulate the acquisition of key competences, such as creativity and digital skills through innovative learning environments such as open educational resources, and flexible learning approaches.

Specific objectives of the project are:

- To develop an innovative e-learning package adapted to the needs and requirements listed by the European Commission and other important studies to face the challenges of Europe 2020 Strategy, in particular for what concern innovation and the development of T shaped skills.
- To develop educational games, simulation and interactive tools: the goal is to develop an experimental product, also in terms of educational methods, tools and practice
- To test and evaluate (and amend if necessary) the e-learning package according to the results of the pilot conducted in 5 EU countries
- To disseminate the the e-learning package in the project partner countries and to prepare for its further exploitation especially within Universities, Research centres, Incubators, Innovation Centres, etc.

The training programme will allow researchers, students and young graduates in the partner countries to become more entrepreneurial and acquire new skills and qualifications. After attending the training they will know how to start their own knowledge based business and/ or commercialise research results.



Project title:	Reinforce entrepreneurial and digital skills of students and teachers to enhance the modernization of higher education in
	MOLDOVA
Acronym:	RESTART
Supported by:	European Commission – Erasmus+
Contract Number:	585353-EPP- 1-2017- 1-RO- EPPKA2-CBHE- JP
Local Coordinator:	Peter Džupka
Associated Faculty:	Radovan Dráb, lveta Korobaničová, Slávka Klasová, Tomáš
	Malatinec, Miriam Šebová, Nataša Urbančíková, Oto Hudec, Dana
	Paľová, Martin Vejačka, Tomáš Štofa
Duration:	2017-2020

Wider objective of the Restart project is to ensure modernization of curricula of 5 Higher education Institutions from Moldavia trough developing. testing, and adaptation of improved and upgraded Entrepreneurial Curriculum (master level) that stimulate innovation skills of students and teachers toward a stronger local business capacity.

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

#### **Project description:**

This Erasmus+ 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 locations in Slovakia, Romania and Kosovo the project implements an innovative educational approach to tackle the issue with more than 100 participating children and youth. In their afterschool and youth programmes teachers and youth workers use specifically designed learning materials to engage students and youth in their own learning process. The chosen *MINIMAX approach* (aiming at minimal teacher invasion and maximum learner autonomy) was originally inspired by the *Self-organized Learning Environments (SOLE) approach*, a widely recognized alternative educational method that supports an individual learning process according to a student's abilities, needs and interests as well as the *Constructionist learning theory.* 

The project started with a needs-assessment to tailor the educational materials to the local contexts and needs. Mentors and youth workers were given the opportunity to experience the accordingly developed tools and materials in the framework of special trainings and subsequently implemented the same with the target groups and evaluated them. The team observes the changes in learning disparities, school attendance, school leaving, pursuit of careers and rise in transversal skills like digital competences. Based on the evaluation tools and materials will be improved and again trained to teachers and youth workers. After the three years the partners working with the target groups directly will continue their implementation of the methods, tools and materials – learning with their children and youth in the clouds.



Project title:	SMART COMMUNITIES - Virtual Education and Research and Development and Innovation Network in Slovakian- Hungarian border region
Acronym:	SMART COMMUNITIES
Supported by:	INTERREG SK-HU
Contract Number:	SKHU/1601/41/210
Local Coordinator:	Nataša Urbančíková
Associated Faculty:	Oto Hudec
Duration:	2017-2019

The target area could be characterised as 'the periphery of the periphery' with continuously worsening economic and social county and micro-regional level indicators (eg.: GDP, (un)employment, migration, shrinking communities, inefficient use of natural resources, education level, value-added,...) despite former, traditional rural development interventions.

The overall objective of the project is significant contribution to enhanced intellectual property in the disadvantaged cross-border area of Southern Slovakia and Northern Hungary with the establishment and dissemination of innovative cooperation structures as a practical implementation of soci(et)al innovation.

In the framework of the project we aim to build a network of civil partners, educational and research institutions and organize and implement joint professional programs, trainings and mentoring schemes with the participation of the target group, as local population from early childhood to pensioners including a high number of socially marginalised people.

The main outputs are the establishment of sustainable cooperation structures as (1) Virtual Education and RDI Network (VERDI-NET) and (2) a Smart ICT Competence Centre. As a result, the project could provide real, practical alternatives for the target group that is the socially marginalised inhabitants of the border region.

Our concept is that the area can break out from its lock-in situation through activities based on endogenous development and smart communities instead of intensive industry settlement. Priority sectors of the project are education and R&D&I with thematic focus on (1) sustainability and (2) info-communication technologies. Cross-border approach is needed because acting on national/regional/local level could only further increase regional disparities and inequalities that is clearly not an objective neither at policy, nor at project level.



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

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 goverment.

During the first project year the analyses in partner country in the area of migration and diversity have been carried out and the training materials have been elaborated. The multidisciplinary design of the course enables to train local goverment 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 also manifests in the structure of the various disciplines and provides 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.

Project title:	Occupational Safety and Risk Control in Construction and Metal Industry Sectors
Acronym:	OccU.S.feInCMIS
Contract Number:	2016-1-TR01-KA202-034976
Supported by:	European Commission
Local Coordinator:	Nataša Urbančíková
Associated Faculty:	Oto Hudec
Duration:	2016-2018

#### **Project description:**

A vocational education module was 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 was developed in order to facilitate vocational education. A mobile version will 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 will 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 will 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.



Project title:	Regions in Europe Coordinate and Optimize innovation and competitiveness policy instruments towaRDs improving the sustainability of transport - study case of SMEs in the railway sector
Acronym:	RECORD
Contract Number:	PGI05377
Supported by:	European Commission
Local Coordinator:	Beáta Gavurová
Associated Faculty:	Mojmír Prídavok, Miroslava Packová
Duration:	2018-2020

Europe has always been a step ahead regarding sustainable transport mode in comparison with the rest of the world and Europe has developed valuable expertise and innovation in the railway sector. That is why, railway is identified in many RIS3. However due to a fierce competition in particular from emerging industries, the whole sector and especially SME are facing big challenges regarding their competitiveness (price based vs. innovation based competitiveness). To tackle this challenge, regions with the help of the EC, put efforts to encourage R&I joint activities (triple helix concept) by offering innovation delivery support in the ERDF OP (direct fundings, cluster policy...). Other initiatives have been launched towards the railway sector but it has been pointed out that SME have specific issues due to the way public transport works, the specificities of its value chain and its market structure (few big companies with thousands of SMEs, few profit margin, low innovation culture, etc.). Taking this into consideration, the RECORD project aims at helping SME to invest more and better in innovation activities by redesigning the regional policy instruments. To do so, we plan individual work to be compared with partnering regions and analyzed. Benchmark and brainstorming sessions with local stakeholders will help draw proven oriented conclusions and develop new approaches together. To have comparability and to be able to share experiences and learn from each other, it is key to admit regional policy structure, industrial environment and clusters differences. Stakeholders engagement in this project is very important as it will be the first time managing authorities, clusters, businesses, universities, other funding organizations, regions etc. are working together early in the political process in the railway sector. This lends credibility and builds solid foundation to develop a framework that will be accepted for implementation.



# 6.4 National educational projects and Developmental activities

Project title:	Preparation of new capacities for European Structural and
	Investments Funds
Acronym:	ESIF
Supported by:	Deputy Prime Minister's Office for Investments and Informatization of the Slovak Republic
Local Coordinator:	Peter Džupka
Associated Faculty: Duration:	Nataša Urbančíková, Oto Hudec 2017-2018

#### **Project description**

The main aim of the project is to develop new master course of the students - Management of ESIF program and projects. The course will be offered to students with active participation of professionals from different public organizations responsible for implementation of ESIF projects. Course will offer short internship programs at Ministry offices for students to obtain practical experiences.

Project Title:	Management	System	for	Quality,	Efficiency	and	Economic
	Effectiveness	at the Fa	culty	of Econo	omics (QMS-	·EkF)	
Project manager:	Radoslav Baju	S					

Aims:

- 1. Quality management system in line with STN EN ISO 9001:2016.
- 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 9001:2016.
- 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.

Project Title:	Preparation and Delivery of the Mathematics Course
Project manager:	Libuša Révészová
Project implementation period:	February 2018 – March 2018

The aim of the project: Preparation and delivery of Course on Mathematics for applicants for the study at the Faculty of Economics. Expected outcomes: Providing a good preparation for entry exams for applicants for the study at the Faculty of Economics and promotion of the Faculty of Economics.



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

- 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.



## 6.5 Project proposals submitted for funding

During the year 2018 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 2018:

Project title:	Circular economy hubs in peripheral urban centres in Central
Europe	Circular economy hubs in perpheral diban centres in central
Contract Number:	CE1515
Coordinator:	Beáta Gavurová
Duration:	2019–2021
Daration.	
Project title:	Decision Support Systems and Business intelligence within Network Economy
Contract Number:	1/0201/19
Coordinator:	Martin Vejačka
Duration:	2019–2021
Duration.	2013-2021
Project title:	Economic impact of production activities on structural links, performance and Slovak industry competitiveness - input-output approach
Contract Number:	1/0695/19
Coordinator:	Júlia Ďurčová
Duration:	2019-2021
Duration.	2019-2021
Project title:	INNOVATION ECOSYSTEM FOR SMART ELDERLY CARE
Contract Number:	CE1516
Coordinator:	Beáta Gavurová
Duration:	2019-2021
Project title:	Interregional cross sector cooperation for demonstration and scale-up of S3 technologies in application industries – bringing S3 technologies to market
Contract Number:	CE1451
Coordinator:	Beáta Gavurová
Duration:	2019-2021
Project title:	Improving Urban Biodiversity by citizens participation
Contract Number:	CE1566
Coordinator:	Beáta Gavurová
Duration:	2019-2021
Drois at title :	Deast Ocal/actual lange langesting different insecutive digital
Project title:	Boost GeoKnowledge - Implementing different innovative digital and educational tools to raise awareness of geological, natural and cultural heritage.
Contract Number:	CE1389
Coordinator:	Beáta Gavurová
Duration:	2019-2021



Project title:	Investment decision-making of investors in the context of effective corporate taxation
Contract Number:	1/0430/19
Coordinator:	Alena Andrejovská
Duration:	2019-2020
Project title:	Specifics of evaluation of capital assets
Contract Number:	1/0559/19
Coordinator:	Jozef Glova
Duration:	2019-2021
Project title:	Economic and Political Limits of Tax Competition on Local Level in the SR
Contract Number:	1/0637/19
Coordinator:	Lenka Maličká
Duration:	2019-2021
Project title:	Educational framework of key competences in the business environment internationalization
Supported by:	KEGA
Contract Number:	068TUKE-4/2017
Coordinator:	Daniela Petríková
Duration:	2018-2019
Project title:	Preparation of administrative capacity for their direct involvement in the implementation of the ESI +
Supported by:	KEGA
Contract Number:	011TUKE-4/2018
Coordinator:	Nataša Urbančíková
Duration:	2018–2020
Project title:	Development and implementation of the TLP (Teaching- Learning-Practising) model into education in the field of municipal policy an economy
Supported by:	KEGA
Contract Number:	039TUKE-4/2019
Coordinator:	Tomáš Malatinec
Duration:	2019–2021
Project title:	Perzistencia v inflácii, cenová stabilita a výkonnosť eurozóny
Contract Number:	1/0793/19
Coordinator:	Rajmund Mirdala
Duration:	2019-2021



## 6.6 Research Activities of Students

Students of the Faculty are involved in the research activities as well. Faculty organizes a competition of students' research activities on annual basis. The competition aims to promote and attract students to participate collectively in small teams in preparing small professional projects. As a result, activity examines the ability of students to think, write and express, present and collaborate. The main objective of the competition is to create conditions and environment for the scientific and professional work of students, to stimulate the individual development of creative abilities and talent of students, as well as to support discussion and active presentation of the results of the work focused on economic science and their benefits for practice. The competition is organized for all faculty students except for PhD students. The winners at the Faculty level are nominated to national and international student competitions.



Fig. 4: ŠVOR 2018

#### Club of Young Researchers

Students at the Faculty have opportunity to join the Club of Young Researches (KMV). Organized meetings in the Club are based on the series of activities represented by lectures given by well-known domestic and foreign researchers, case studies on challenging topics, critical discussion in the form of brainstorming on the recent topics in economic and social disciplines, methodological seminars, etc. The main objective of the Club is to promote and deepen theoretical and empirical knowledge of the students, exchange opinions and experience with renowned experts from academic and business sector and promote benefits of critical discussion. Students also get opportunity to collaborate with cooperating partners of the Faculty on common case studies and projects, get convenient assistance for their bachelor and master thesis and establish valuable contacts that could be beneficial on their way to the success after graduation at the Faculty.



## 7 Study Programmes

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



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.

**Economics 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.



In the academic year 2017/2018 more than 800 full-time Slovak students, 30 international students, more than 100 part-time bachelor- and master-level students, and 31 internal and 22 external PhD students study at our Faculty.



Fig. 6: Comitee of the Final state exams (PhD programme)



### **8** Further Professional Education and Consultation Services

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

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

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

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

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

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

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



## 8.1 Cooperation within Slovakia

Along with successful international cooperation, the Faculty has developed good links with banking and financial institutions in the region as well as with other potential employers of its graduates. Their representatives are members of the Scientific 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 2018 the Faculty cooperated for example with the following institutions in Slovakia – SLSP, a.s.; VÚB banka, a.s.; DDP Stabilita, a.s.; 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 Regional region; Agency for the Support of Development, Košice. KMPG, Embraco, Staffino, Challengest, IBM, KPMG, US Steel, a.s., Institute of Nuclear and Molecular Medicine in Košice, Government Office of the Slovak Republic, Slovak Chamber of Commerce and Industry, Slovak Chamber of Tax Advisors.

We have a special cooperation with firms and businesses, which provide lectures, workshops and internships for students of our Faculty. We really appreaciate cooperation with T-Systems Slovakia, a.s. (in addition to many events, a new lecture room was financed and arranged within this cooperation), which is very long and successful. In 2018, strong cooperation with Tatrabanka, a.s., LYNX, s.r.o. and Kooperativa, a.s. has developed.

#### The Day of Tax Freedom at EkF

On the occasion of the Tax Freedom Day, Faculty of Economics TUKE (EkF TUKE), in cooperation with the Slovak Chamber of Tax Advisors (SKDP), held at the premises of TUKE University Library the event:

The Second Annual Celebration of Tax Freedom Day. The event was officially opened by dean of EkF TUKE assoc. prof. Michal Šoltés and member of SKDP Presidium Ing. Dana Droppová, PhD. The event was attended by invited guests with individual presentations on various themes: Ing. Dana Droppová, PhD. (SKDP Presidium), Ing. Štefan Fabian, PhD. (Slovak Chamber of Auditors), Ing. Ľubomír Reľovský (Tax Directorate in KE) and JUDr. Ján Bílek, CSc. (Chairman of the Board KRK SOPK). Under the leadership of doc. Ing. Marianna Siničáková, PhD. (EkF TUKE) was led a panel discussion on current tax trends and problems both theoretically and practically. The event included free tax consultancy provided by certified tax advisors of SKDP (Ing. Viera Zoričáková, PhD., JUDr. Ing. Peter Huba, PhD., Ing. Božena Ninčáková and Ing. Marianna Hubová). The event was visited by Ing. Jozef Gajdoš, PhD. (Faculty of Business Economics with seat in Košice), doc. JUDr. Karin Cakoci, PhD. (Faculty of Iaw, UPJŠ) and JUDr. František Bonk, PhD. (Faculty of Iaw, UPJŠ). Among other things, accompanying event included: Banknote authentication, Tax literacy quiz.





Fig. 7: The Day of Tax Freedom 2018 at EkF

#### **Cooperation with The Slovak Chamber of Tax Advisors**

The Slovak Chamber of Tax Advisors, the regional office of Košice, organized this year the 18th year of the competition for the best diploma thesis in the field of taxes. The students of our faculty achieved 1st and 2nd place in this competition.

This year, the SKDP, with its entire national scope, awarded for the second time a prize for diploma and doctoral theses with a tax topic to undergraduates and post-graduates from selected departments of Slovak universities. Our Faculty received two awards for the doctoral thesis.

#### **Cooperation with The Slovak Academy of Science**

Our Faculty has a long tradition in cooperation with the Institute of Economic Research of Slovak Academy of Science. In addition, a Memorandum on cooperation between our Faculty and the Institute was signed at the end of year 2017. This agreement sets up better conditions for future development of this cooperation in the field of common economic research.

#### International Cooperation

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

The Faculty is involved in the Erasmus+ program supporting student mobility among universities in the EU member countries. Since 2016, Faculty has been developing cooperation also with non EU partners within ERASMUS+ KA107 program. 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 Côte d'Azur, Nice, France
- University of Strasbourg, France

#### Faculty of Economics

- 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
- Charles University, Prague
- 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
- Economic 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
- 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 Miscolc, Hungary
- Vilnius Gediminas Technical University, Lithuania
- Technical University of Riga, Latvia
- University of Tartu, Estonia
- Tsenov Academy of Economics, Bulgaria
- Higher Education Institution of Provice of Liège, Belgium
- Amity University Haryana, Gurgaon, India
- Belgrade Banking Academy, Serbia
- International Institute of Management IMI-Nova, Chisinau, Moldova
- University of South Alabama, the United States of America.
- Sidi Mohamed Ben Abdellah University, Fez, Morocco
- Caucasus School of Humanities and Social Sciences, Tbilisi, Georgia
- Khabarovsk State University of Economics and Law, Khabarovsk, Russia
- Poltava National Technical University, Poltava, Ukraine
- Ternopil National Economic University, Ternopil, Ukraine



#### The Faculty has also established good working contacts with:

- Corvinus University of Budapest, Hungary
- ERENET Entrepreneurship Research and Educational Network of Central European Universities
- Central European University, Budapest, Hungary
- Rzeszów University of Technology, Poland
- Higher Vocational State School in Sanok, Poland
- AGH University of Science and Technology, Faculty of Management, Krakow, Poland
- University of Zagreb, Faculty of Organisation and Informatics, Varazdin, Croatia
- Huddersfield University Business School, United Kingdom
- Joanneum Research, Institute of Technology and Regional Policy, Austria
- The CARTIF Foundation Applied Research and Technological Innovation Centre, Valladolid, Spain
- Faculty of Economics, Technical University of Liberec, Czech Republic
- Faculty of Economics and Administration, University of Pardubice, Czech Republic
- School of Business Administration in Karviná, Silesian University in Opava, Czech Republic
- Faculty of Management and Economy, Tomáš Baťa University in Zlin, Czech Republic
- Fraunhofer Institute, Germany
- Empirica GmBH, Bonn, Germany
- Fachhochschule Franfurkt am Main, University of Applied Sciences, Germany
- Danish Technological Institute, Copenhagen, Denmark
- In-Jet, Denmark
- C-Net, Sweden
- North University of Baia Mare, Romania
- Faculty of Economics, Subotica, University of Novi Sad, Serbia
- Institute of Economic Sciences, Belgrade, Serbia
- Chukyo University, Nagoya, Japan
- National Academy of Science Institute of Regional Researches, Lviv, Ukraine
- Donetsk National University (Vinnitsa), Ukraina
- Ukrainian National Forestry University, Transcarpathian Forestry Technical College, Ukraina
- Wroclaw University of Technology, Poland
- IDEC, Greece
- TREBAG, Hungary
- Frederick University, Nicosia, Cyprus
- University Nova of Lisbon, Portugal
- Ghent University, Belgium
- Parul University, Vadodara, India
- RK University, Rajkot, India
- North Maharashtra University, Jalgaon, India
- SAL Technical Campus, Ahmedabad, India
- University of Zielona Góra, Faculty of Economics and Management, Poland
- Polish Economic Society in Zielona Góra, Poland



The Faculty of Economics become the new member of the EIT Climate-KIC in 2018. EIT Climate-KIC is supported by the European Institute of Innovation and Technology. It brings together partners in the worlds of business, academia, and the public and non-profit sectors to create networks of expertise, working together to accelerate the transition to a zero-carbon economy. The faculty coordinator for Climate-KIC activities is Miriam Šebová.

During the academic year 2017/2018 57 of our students participated in the exchange study programs. Three students successfully accomplished their Master program in cooperation with the University Côte d'Azur, Nice, France and five students have been studying there within Bachelor two degree program in 2018/19. Mobilities from other EU countries to Slovakia also took place. 18 Erasmus students from Spain, Italy, France, Romania, Poland, Turkey, Ukraina, Serbia and Moldova studied at our Faculty. In the same academic year, visiting teachers from the partner universities in the Germany, France, Czech Republic, Poland, Turkey, Romania, Hungary, Moldova, and United States gave lectures at the Faculty.

In the academic year 2018/2019 33 our students have already participated in exchange program in winter semester and 20 students will participate in the summer semester.

Within two degree programs, two students from University Côte d'Azur, Nice, France and one student from Khabarovsk State Academy of Law and Economics, Russia, successfully completed their Bachelor or Master studies respectively at our Faculty in 2017/2018.

The Faculty continues the cooperation with the University Côte d'Azur, Nice, France within two diplomas program. 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 Côte d'Azur and study directly at this University for two semesters in order to receive a Bachelor degree from the University Côte d'Azur. Up to now, 98 students have been awarded the Bachelor degree, 30 students Master 1 degree, 8 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 students can receive attractive scholarships granted by the French government.

Similar cooperation has been established with several universities in Great Britain since 2006 and with the Khabarovsk State Academy of Law in Economics in Russia since 2016.

#### CFA Institute and its University Affiliation Program

Since August 2018 our faculty has been participated in the University Affiliation Program (UAP) with our **Finance, Banking and Investments** bachelor program. The purpose of this UAP is to recognize institutions that embed a significant portion of the CFA Program Candidate Body of Knowledge TM (CBOK) into their curricula. The Faculty of Economics TUKE became one of them. Through cooperation with universities around the world, the CFA seeks to promote ethics-based investment education in university degree programs aimed at developing investment professionals.



# University Affiliation Program



In exchange for our participation in this program, our institution has been listed on the <u>University Affiliation Program</u> page on the CFA Institute website. Assoc. Prof. Jozef Glova became Technical University's Principal Contact with CFA Institute and is responsible for awarding the Student Scholarships that are available to Technical University in Košice. According to the CFA calculations, faculty's scholarship allotment for the 2018-2019 academic year scholarship award cycle, which includes the December 2018 and June 2019 offerings, is **3 scholarships**. Principal Contact has been also provided exclusive access to all three levels of the CFA Program® eBook curriculum, access to sample exams for each level of the CFA Program exams, and a complimentary online subscription to the *Financial Analysts Journal*®.

Our faculty may reference our CFA Institute endorsement in promoting our affiliated degree program. We are also welcome to use the UAP logos to promote the UAP relationship but note that the UAP logo may only be used to promote the affiliated degree program(s) referenced above.

## 8.2 Visitors to the Faculty

Within the framework of bilateral cooperation, the following representatives of partner institutions visited the Faculty of Economics in 2018:

- Ernst Andreas Ziegler, University of Wuppertal, Germany
- Christine Volkmann, University of Wuppertal, Germany
- Jiří Polách, Business School Ostrava, Czech Republic
- Lumír Kulhánek, VŠB Technical University of Ostrava, Czech Republic
- Jana Hakalová, VŠB Technical University of Ostrava, Czech Republic
- Yvetta Pšenková, VŠB Technical University of Ostrava, Czech Republic
- Jitka Langhamrová, University of Economics, Prague, Czech Republic
- Tomáš Löster, University of Economics, Prague, Czech Republic
- Srdjan Redzepagić, University Côte d'Azur, Nice, France
- Eric Nasica, University Côte d'Azur, Nice, France
- Grzegorz Michalski, Wroclaw University of Economics, Poland
- Andrzej Krynski, Polonia University, Czestochowa, Poland
- Jowita Ziolek-Barczak, Polonia University, Czestochowa, Poland
- Andrii Galaidin, Polonia University, Czestochowa, Poland
- Kulyk Piotr, University of Zielona Góra, Poland
- Maciej Dzikuć, University of Zielona Góra, Poland
- Maria Dzikuć, University of Zielona Góra, Poland
- Anetta Barska, University of Zielona Góra, Poland
- Janina Jędrzejczak-Gas, University of Zielona Góra, Poland
- Joanna Wyrwa, University of Zielona Góra, Poland
- Monika Michalska, University of Zielona Góra, Poland
- Paulina Filip, University of Rzeszow, Poland
- Mariola Grzebyk, University of Rzeszow, Poland
- Balázs Heidrich, Budapest Business School, Hungary
- Zoltán Szabó, Budapest Business School, Hungary

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- Sára Csillag, Budapest Business School, Hungary
- Antal Szabó, Erenet, Hungary
- Handan Deniz Boyukaslan, Afyonkarahisar, Turkey
- Senem Koc, Afyonkarahisar, Turkey
- Adem Boyukaslan, Afyonkarahisar, Turkey
- Užík, University of Applied Sciences in Berlin, Germany
- Indré Lapinskaité, Vilnius Gediminas Technical University, Lithuania
- Ermanno Affuso, University of South Alabama, Mobile, United States
- Anna Jasinska Biliczak, University of Opole, Poland



Fig. 8: Visiting lecturers Dr. Ermanno Affuso from the University of South Alabama (United States)



## 8.3 Visits of the Faculty Staff to Foreign Institutions

Alena Andrejovská:

- University of Rzeszow, Poland
- International Institute of Management IMI-NOVA, Chisianau, Moldova

Anna Bánociová:

• University of Rzeszow, Poland

Ľudmila Bartóková:

- University of Hradec Králové, Faculty of Informatiocs and Management, Hradec Králové, Czech Republic
- Riga Technical University, Faculty of Engineering Economics and Management, Riga, Latvia
- Technical University of Graz, Faculty of Mechanical Engineering and Economic Sciences, Graz, Austria

Ján Buleca:

- University of Maribor, Slovenia
- University of South Alabama, USA
- Parul University, Vadodara, India
- Amity University, Haryana, India

Jozef Bucko

• Polytechnic University of Bucharest, Romania

Radoslav Delina:

- European Commission, Brussels, Belgium
- The Berlin School of Economics and Law, Germany
- NAR Marketing, Ostrava, Czech Republic
- University of Economics Prague, Czech Republic
- SATA Srl, Italy

Radovan Dráb:

- Sidi Mohamed Ben Abdellah University, Fez, Morocco
- Polytechnic University of Bucharest, Romania
- Agricultural State University of Moldova, Moldova
- Institute for Learning Innovation, Friedrich-Alexander-University Erlangen-Nuremberg (FAU), Germany
- Information Technology Center, Lodz University of Technology, Poland
- Moldova State University, Moldova
- Academy of Economic Studies of Moldova, Moldova
- Coventry University, United Kingdom
- Bogdan Petriceicu Haşdeu State University, Moldova
- Alecu Russo State University of Bălți, Moldova



Júlia Ďurčová:

• Technical University of Graz, Faculty of Mechanical Engineering and Economic Sciences, Graz, Austria

Beáta Gavurová

- Poltava National Technical Yuri Kondratyuk University, Poltava, Ukraine
- Hochschule für Wirtschaft und Recht Berlin
- Charles University, Prague, Czech Republic
- Czech University of Life Sciences Prague, Czech Republic
- The National Institute of Public Health, Praha, Czech Republic
- 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

Jozef Glova:

- Bergische Universität Wuppertal, Germany
- International Institute of Management IMI-NOVA, Chisinau, Moldova
- Czestochowa University of Technology Politechnika Czestochowska, Poland
- University of Zielona Góra, Poland

#### Oto Hudec:

- Sapienza University of Rome, Italy
- EC DG Directorate-General for Education, Youth, Sport and Culture, Brussels, Belgium
- Academy of Economic Studies of Moldova, Chisinau, Moldova
- Cork University, Cork, Ireland
- Jheronimus Academy of Data Science, 's-Hertogenbosch, Netherlands
- University of Pardubice, Czech Republic
- Armenian State University of Economics, Yerevan, Armenia

Slávka Klasová:

- Polytechnic University of Bucharest, Romania
- Bogdan Petriceicu Hasdeu State University of Cahul, Moldova
- Vienna University of Economics and Business, Austria
- Radbound University, Netherlands
- Cork University, Cork, Ireland
- Caucasus School of Humanities and Social Sciences, Georgia

Kristína Kočišová:

- Mitchell College of Business University of South Alabama, Mobile, USA
- Faculty of Economics and Administration University of Pardubice, Pardubice, Czech Republic

Gabriela Koľveková:

- University of Social and Administrative Affairs, Czech Republic
- Necmettin Erbakan University, Turkey ((Zenith Group, d.o.o Sarajevo, Bosnia and Herzegovina), (Hungary))



Rajmund Mirdala:

- Mendel university in Brno, Faculty of Business and Economics, Czech Republic
- Silesian university in Opava, School of Business Administration in Karvina, Czech Republic
- Università degli Studi di Napoli Parthenope, Italy
- Lazarski University, Faculty of Economics and Management, Warsaw, Poland

Daniela Palaščáková:

- Uzhhorod National University, Uzhhorod, Ukraine
- Vasyl` Stus Donetsk National University, Vinnytsia, Ukraine
- Poltava National Technical Yuri Kondratyuk University, Poltava, Ukraine

Dana Paľová:

- Polytechnic University of Bucharest, Romania
- Bogdan Petriceicu Hasdeu State University of Cahul, Moldova
- Coventry University, United Kingdom

Manuela Raisová

- University of Hradec Králové, Faculty of Informatiocs and Management, Hradec Králové, Czech Republic
- Riga Technical University, Faculty of Engineering Economics and Management, Riga, Latvia
- Technical University of Graz, Faculty of Mechanical Engineering and Economic Sciences, Graz, Austria

Marianna Siničáková:

- University Institute of St. Jérôme de Douala, Cameroon
- Parul University, Vadodara, India
- North Maharashtra University, Jalgaon, India
- Amity University Haryana, Gurgaon, India
- University of Science and Technology, Wroclaw, Poland
- Polonia University, Czestochowa, Poland
- University of South Alabama, Mobile, United States
- University of Maribor, Slovenia
- Karl Franzens University of Graz, Austria

Miriam Šebová:

- Institute of Management IMI-Nova, Kisinev, Moldova
- University of Antwerp, Belgium
- University of Warsaw, Poland
- University in Maribor, Slovenia

Michal Šoltés:

- University of Versailles St. Quentin en Yvelines, France
- Parul University, Vadodara, India
- North Maharashtra University, Jalgaon, India
- University of Science and Technology, Wroclaw, Poland



Monika Timková

• Sidi Mohamed Ben Abdellah University, Fez, Morocco

Radoslav Tušan:

• Ukrainan Forestry National University, Khust, Ukraine

Nataša Urbančíková:

- Caucaus university, Tbilisi, Georgia
- University of Applied Science, Vienna, Austria
- TREBAG, Budapest, Hungary
- Sidi Mohamed Ben Abdellah University, Fez, Morocco
- IDEC, Pireus, Greece
- PROMED, Gdansk, Poland

#### Martin Vejačka

• Coventry University, United Kingdom

Tomáš Želinský:

- Monash University, Melbourne, Australia
- The University of Melbourne, Melbourne, Australia
- The Australian National University, Canberra, Australia
- The Queensland University of Technology, Brisbane, Australia
- Macquarie Graduate School of Management, Sydney, Australia
- Monash University Malaysia, Kuala Lumpur, Malaysia
- Technical University Vienna, Vienna, Austria
- Statistics Denmark, Copenhagen, Denmark
- The Sapienza University of Rome, Roma, Italy
- CERGE-EI (Center for Economic Research and Graduate Education Economics Institute), Prague, Czech Republic
- Charles University, Prague, Czech Republic
- University of Economics, Prague, Czech Republic
- Institute of Sociology of the Academy of Sciences of the Czech Republic



## 8.4 Membership in National and International Organisations, Boards and Committees

Alena Andrejovská:

- Member of the Slovak Chamber of Certified Accountants
- Member of Slovak Economic Association
- Member of American Economic Association

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

Ján Buleca:

- Member of American Economic Association
- Foreign Member of Hungarian Academy of Sciences
- Member of Higher Education Council of the Slovak Republic
- Member of Slovak Economic Association
- Member of Association of Slovak Scientific and Technological Societies

Radoslav Delina:

- Member of European RTD Evaluation Network (Ares(2013)437085-MS) under DG Research and Innovation of European Commission
- Member of Social Agriculture Platform
- Member of advisory expert group for Ministry of Education SR
- Member of the Scientific Board, University of Economics Bratislava, Faculty of Business Economics
- Member of Aladin University Network

Beáta Gavurová:

- Editor in chief in E+M Ekonomie a management journal,
- Member of the Expert Group of the Office of the Government Plenipotentiary for Roma Communities,
- Working Group Member of the Government Office of the Slovak Republic
- Member of the Cultural and Educational Grant Agency of The Ministry of Education, Science, Research and Sport of the Slovak Republic
- Assessment board member of Slovak Centre of Scientific and Technical Information (CVTI) (for categorization and review of publishing)
- Member of The Slovak Association of Business Management (SAPRIA),
- Member of The Slovak Statistical and Demographic Society, Slovakia
- Member of Slovak Public Health Association (SAVEZ),
- Member of Editorial Board "The Polish Journal of Management Studies"
- Member of Editorial Board "Journal of Business Economics and Management"
- Member of Editorial Board "Business: Theory and Practice"

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- Member of Editorial Board "International Journal of Entrepreneurial Knowledge (IJEK)"
- Member of Editorial Board "eXclusive e-JOURNAL",
- Member of Editorial Board "MAD Magazine of Aviation Development, Czech Technical University in Prague"

Vladimír Gazda

• Member of Slovak Economic Association

Jozef Glova:

- Member of Slovak Economic Association
- Member and Team Adviser for the CFA Institute Research Challenge, CFA Society Czech Republik
- Member of Scientific Council of the scientific journal "Zeszyty naukowe", Polish Economic Society in Zielona Góra, Poland
- Principal Contact with CFA Institute, United Kingdom

Radoslav Bajus:

• Member of the Slovak Chamber of Certified Accountants

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 Editorial Board Portuguese Review of Regional Studies,
- Member of the Editorial Board Quality, Innovation, Prosperity,
- 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,
- Member of the committee for PhD study at the Masaryk University in Brno, Regional Economics,
- Member of the Scientific Board, University of Economics, Faculty of National Economy, Bratislava,
- Member of the Scientific Board, University of Pardubice, Faculty of Ecinomics and Administration, Pardubice, Czech Republic.

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)
- 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 Journal of Applied Economic Sciences (ISSN 1843-6110)



- Member of the Editorial Board of the scientific journal EKONOMIKA (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)
- Member of Slovak Economic Association, Slovakia
- Member of the Slovak Statistical and Demographical Society, Slovakia
- Member of International Network for Economic Research

Alena Mojsejová:

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

Daniela Palaščáková:

- Member of the Editorial Board of the scientific journal Scientific Horizon, Slovakia (ISSN 1337-9054).
- Member of the Editorial Board of the scientific journal Economic and law paradigm of development of the modern society, Ukraine (ISSN 2414-0414).
- Member of the Editorial Board of the scientific journal Economics and Region, Ukraine (ISSN 2218-1199 Print, ISSN 2414-0538 Online, EISSN 2414-0538).

Ľudmila 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

Miriam Šebová

- Member of the Slovak speaking section of ERSA
- Member of ERSA (European Regional Science Association)

### Faculty of Economics

- Member of Evaluation Working Group, European Network on Cultural Management and Policy
- The faculty coordinator for Climate-KIC activities

Marianna Siničáková:

- Member of the Polish Economic Society, Poland
- Visiting professor at the Polonia University, Czestochowa, Poland
- Member of the Editorial board, Journal of Economic Analysis, Serbia
- Slovak-French University Institute, Slovakia
- Member of ERENET (Entrepreneurship Research and Education Network of Central European Universities)

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
- Member of Slovak Economic Association

Vincent Šoltés:

- Member of the Editorial board of the Journal of Theory, Methodology and Practice, Hungary
- Member of the Scientific board of the E+M Ekonomie a management journal, 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

Ľubica Štiblárová:

- Member of The Slovak Economic Association, Slovakia
- Member of The Slovak Statistical and Demographic Society, Slovakia

Nataša Urbančíková:

• Member of the Editorial board of Japan Social Innovation Journal

Tomáš Želinský:

- Scientific Secretary of the Committee of The Slovak Statistical and Demographic Society, Slovakia
- Executive Editor of The Forum Statisticum Slovacum journal
- Member of The Global Development Network, India
- Member of The R Foundation, Austria
- Member of The American Economic Association, the United States of America.
- Member of The Economic Science Association, the United States of America.
- Member of The International Association for Research in Income and Wealth, Canada
- Member of The American Association For The Advancement Of Science, the United States of America.
- Member of The Slovak Economic Association, Slovakia

## **9** Habilitations and Inaugurations

The Faculty has habilitation and inauguration rights in the fields of Finance, banking and investments and in the field of Public administration and regional development. In 2018, following researchers successfully defended their habilitations:

## 9.1 Finance, Banking and Investments

**Lenka Maličká, PhD**, Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: Fiscal Decentralization and its Macroeconomic Consequences.

## 9.2 Public Administration and Regional Development

**Peter Burger, PhD,** Affiliation: Faculty of Economics, Technical University of Kosice, Title of habilitation thesis: The Funding Structure of Clusters in Europe and North America.



## 10 PhD Study

## **10.1 Internal PhD Students at the Faculty of Economic**

In 2018 the following internal PhD students studied at the Faculty of Economics:

- 1. Jozef Bľanda: Social Entrepreneurship in Slovakia as a Tool of Sustainable Development. Supervisor: Assoc. Prof. Nataša Urbančíková;
- 2. Zuzana Čarnogurská: Is the Eurozone an Optimum Currency Area from the labour market point of view? Supervisor: Assoc. Prof. Marianna Siničáková;
- 3. Darya Dancaková: Intellectual Capital and Specific Aspects of its Evaluation. Supervisor: Assoc. Prof. Jozef Glova;
- 4. Emil Exemberger: Business Intelligence (BI) in Processes of Enterprises. Supervisor: Assoc. Prof. Jozef Bucko;
- 5. Eva Huculová: Methodology Problems of Using Health Technology Assessment and Suggestions for Solutions. Supervisor: Assoc. Prof. Beata Gavurová;
- 6. Michela Kavčáková: Alternative Methods for Diagnosing Corporate Credit Risk. Supervisor: Assoc. Prof. Kristína Kočišová;
- 7. Denisa Kočanová: Possibilities to Mitigate the Economic Consequences of Population Ageing in the EU. Supervisor: Assoc. Prof. Ján Buleca;
- 8. Marek Macik: Business Models for Emerging Data Services. Supervisor: Assoc. Prof. Jozef Glova;
- Lucia Nováková: Impact of New Technology Trends Industry 4.0, Robotization. Artificial Intelligence etc.) on the Future of Employment. Supervisor: Prof. Tomáš Sabol;
- 10. Adriana Novotná: Bank Competition and Stability. Supervisor: Assoc. Prof. Kristína Kočišová;
- 11. Renáta Olejárová: Transparency of Business and Accounting Data and the Significance in Smart Supply Chains Evolution. Supervisor: Assoc. Prof. Radoslav Delina;
- 12. Róbert Oravský: The problem of Value Added Tax in the Slovak Republic. Supervisor: Assoc. Prof. Anna Bánociová;
- 13. Dominika Oravcová: The Impact of Off-shoring on Employment. Supervisor: Assoc. Prof. Júlia Ďurčová
- Eva Petrová: Financial and Economic Analysis of Business Environment in SR within the Creditworthiness of Businesses Assessment. Supervisor: Assoc. Prof. Michal Šoltés;
- 15. Oliver Pisár: Suggestion of a Concept of Integration of the Concepts of Health and Social Systems into the Process of Regional Economic Development and their Quantification. Supervisor: Assoc. Prof. Beata Gavurová;
- 16. Veronika Puliková: Effective Corporate Taxation in the EU Countries. Supervisor: Assoc. Prof. Alena Andrejovská;
- 17. Zuzana Réveszová: Culture and Socio-economic Development. Supervisor: Assoc. Prof. Miriam Šebová
- Lenka Senderáková: Socioeconomic Impact of Transparency Improvement on the Market by Digital Single Market Development. Supervisor: Assoc. Prof. Radoslav Delina;
- 19. Žofia Sinčáková: Digital Governance of the Cities. Supervisor: Prof. Oto Hudec;
- 20. Jakub Sopko: Efficiency Measurement in the Healthcare Sector. Supervisor: Assoc. Prof. Kristína Kočišová;
- 21. Erik Suchý: Union of Capital Markets. Supervisor: Assoc. Prof. Michal Šoltés;



- 22. Leoš Šafár: Quantitative Easing as an Alternative Monetary Policy Instrument. Supervisor: Assoc. Prof. Marianna Siničáková;
- 23. Nikola Šubová: Causality of Different Level of Wealth and Financial Stability of the European Households Supervisor: Prof. Vincent Šoltés;
- 24. Miriama Tarhaničová: Economic Quantification of the Social Costs of Using Alcohol, Tobacco and Illegal Drugs Supervisor: Assoc. Prof. Beata Gavurová;
- 25. Jana Zausinová: Complexity Economics and Applications in Cognitive Radio. Supervisor: Prof. Vladimír Gazda;
- 26. Mhmed Omar Mohamad Abdulhafiz: Strategies of Liquid Assets 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. Ali Mehemed Swisii: The Impact of Innovation Development on the Income Inequality. Supervisor: Assoc. Prof. Radoslav Delina;

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

In 2018 the following external PhD students studied at the Faculty of Economics:

- 1. Benedict Ebenezer Alechenu: Optimum Currency Areas in African Countries. Supervisor: Assoc. Prof. Marianna Siničáková;
- Vladimíra Adamkovičová: Analysis and Possibilities of Innovation of the Business Model Called "Central-regulation / Zentralregulierung" and Possibilities of its Application in the Area of the Slovak Republic. Supervisor: Assoc. Prof. Michal Šoltés;
- 3. Davorin Balaž: Industry 4.0 and Export Competitiveness of EU. Supervisor: Prof. Srdjan Redzepagić;
- 4. Raphaela Balzer: Value Creation in the Digital Era. Supervisor: Prof. Dr. Martin Užík;
- Guenter Blendinger: Best-in-class"Corporate Governance Model in Light of Financial Management Decisions and Financial Firm Performance. Supervisor: Assoc. Prof. Grzegorz Michalski;
- 6. Marek Blizco: Brain Drain and Drain Return: Global Processes and Local Strategies. Supervisor: Prof. Oto Hudec;
- 7. Sebastian Olbert Block: The Property Rights Theory in the Professional Sport and the Influence on the Economic Success. Supervisor: Dr. Thorsten Dennin;
- 8. Peter Breyl: Complex Economic and Process evaluation of eHealth and Design of Measuring its Effectiveness. Supervisor: Assoc. Prof. Beáta Gavurová;
- Linus David Elferich: Blockchain Technology for Real Estate Asset and Portfolio Management – An Analysis of Distributed Ledger Technology Applications for Property Management, Tokenization and Ownership. Supervisor: Prof. Dr. Martin Užík;
- 10. Gabriel Gencsi: Agent Based Model of the Frequency Spectrum Trading. Supervisor: Prof. Vladimír Gazda;
- 11. Michal Gimerský: Requirements for Investment Consulting in the Digital Age. Supervisor: Prof. Dr. Martin Užík;
- 12. Marek Horváth: Impact Assessment of Regional and Local Development. Supervisor: Assoc. Prof. Peter Džupka;
- 13. Michala Inkábová: Analyses of the Agricultural Company from the Tax Point of View. Supervisor: Assoc. Prof. Alena Andrejovská;
- 14. Frank Stefan Jorga: The Economic Importance of the Person Identification process IN THE Internet as a Part of Digital Business Models. Supervisor: Prof. Dr. Martin Užík;

### Faculty of Economics

- 15. Tim Langenstein: The impact of the Company IT-Structure to Optimizing the Probability of Success for the Start-up. Supervisor: Prof. Dr. Martin Užík;
- 16. Miriama Leščišinová: Analysis of Socio-economic Impacts of Microfinance Development. Supervisor: Assoc. Prof. Michal Šoltés;
- 17. Viktória Lukáčová: Economic Quantification of Marketing Processes in Healthcare Facilities Focused on Increasing VFlue for Patients. Supervisor: Prof. Vincent Šoltés;
- Dávid Melas: Health Technology Assessment Economic Potential and Investigation the Effectiveness of Selected Treatment Processes. Supervisor: Assoc. Prof. Beata Gavurová;
- 19. Peter Niroda: Effectiveness of Public Procurement Processes in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
- 20. Sead Osmanović: Strategic Planning of Public Services on a Local Level. Supervisor: Prof. Srdjan Redzepagić;
- 21. Martina Patáková: Creation of Value Added in the Context of the Global Value Chains. Supervisor: Assoc. Prof. Júlia Ďurčová;
- 22. Martina Regásková: Advanced Financial Accounting and Hedge Accounting of the Financial Instruments. Supervisor: Assoc. Prof. Anna Bánociová;
- 23. Stefan Stojanović: Financial Risk management in Western Balkan Countries and their Integration in the EU. Supervisor: Prof. Srdjan Redzepagić;
- 24. Coi Tran: Potential of the Current Technolgy Trends: Data Analytics, IoT, Industry 4,0 et.) on Economy Growth. Supervisor: Prof. Tomáš Sabol;
- 25. Roman Christian Warias: BOTs Performing Administrative Tasks in "Object Management Systems" as Central Corporate Intelligence. Supervisor: Prof. Dr. Martin Užík;
- 26. Lukas Antoni Woch: Tax Competition of the EU Member States in the Context of Corporate Taxation. Supervisor: Prof. Vladimír Gazda;

## 10.3 PhD Degrees Awarded in 2018

The following internal PhD students of the Faculty defended their PhD theses and were awarded PhD degree in 2018:

- 1. Jakub Danko: Modeling of Financial Markets.
- 2. Lukáš Kakalejčík: Digital Analysis and its Use in Application as the Part of Business Intelligence.
- 3. Martin Kameník: Fiscal Rules, Fiscal Space and Pro-cyclical Fiscal Policy.
- 4. Slavomíra Martinková: Corporate Tax as a Financial Policy Tool.
- 5. Silvia Mrázková: Business Valuation Focusing on the Identification of Intangible Assets.
- 6. Ivana Peržeľová: Application of Selected Methods of Assessing of the Effectiveness of Health services in Slovak Republic.
- 7. Ľubica Štiblárová: Business Cycles Synchronization in the Monetary Unions.
- 8. Tomáš Štofa: Private Equity Investments Future Scope in Slovak Republic and European Union.
- 9. Martin Zoričák: Agent Based Model of the Tax Compertition.

The following External PhD student was awarded PhD degree in 2018:

- 1. Christian Hoffmeister: Stock Price Liquidity and the Influence on Market and Trading Strategies.
- 2. Martina Žudelová: Localisation Decisions from the Viewpoint of Behavioural Economics.



### **11** Other activities

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 2017, six renowned speakers presented their research at the KEF:

- February 2018 Jan Hanousek (Institute of Economic Studies, Charles University in Prague, Czech Republic) - To Bribe or Not Bo bribe? Corruption Uncertainty and Corporate Practices
- March 2018 Evžen Kočenda (Institute of Economic Studies, Charles University in Prague, Czech Republic) - The Impact of Monetary Strategies on Inflation Persistence
- April 2018 Iveta Radičová (former prime minister of the Slovak government) Modern Social Conflict and Challenges for the Slovak Republic
- May 2018 Branislav Saxa (Czech National Bank) Forecasting Mortgages: Internet Search Data as a Proxy for Mortgage Credit Demand
- October 2018 Ivan Šramko (Chairman of the Fiscal Council) Development of Fiscal Framework and Public Finance in the Slovak Republic
- November 2018 Jiří Rusnok (governor of the Czech National Bank) Monetary Policy of the Czech National Bank during Economic Crisis and Economic Revival



Fig. 9: "April 2018: Iveta Radičová, respectable former Prime Minister of the Slovak government (2010-2012) and laureate of the Award for influential female politicians from the Women Political Leaders Global Forum, topic: "Modern Social Conflict and Challenges for the Slovak Republic"



#### Eurofondue!

The competition is running under the auspices of member of European parliament Vladimír Maňka since 2013. The students of high schools have to elaborate project related to the development of their locality of the community. The best project is winning the trip to European Parliament.



Fig. 10: Eurofondue!

## **12 Faculty Staff Members**

#### Alena Andrejovská, PhD, Associate 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: <u>Alena.Andrejovska@tuke.sk</u>

#### 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: <u>Radoslav.Bajus@tuke.sk</u>

#### 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

#### Ľudmila Bartóková, PhD, Assistant Professor

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

Her research interests are in the area of monetary policy, balance of payments and external balance. She also teaches economic subjects in French language within the programme of 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

#### Peter Bednár, PhD, Researcher

His research interests are artificial intelligence, knowledge modelling, semantic web and egovernment. At present he participates in several international research projects. E-mail: <u>Peter.Bednár @tuke.sk</u>

#### Martina Bobriková, PhD, Assistant Professor

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

E-mail: Martina.Bobrikova@tuke.sk



#### Jozef Bucko, PhD, Associate Professor

The areas of his research interest include informatics, IS/IT technologies, e-banking, graph theory and machine learning technics. 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

#### Ján Buleca, PhD, Associate Professor

His research interests are focused to corporate finance and household/personal finance. Courses taught are Finance and Currency, Business Economics, and Family Finance. He has experience in several scientific as well as educational projects.

E-mail: <u>Jan.Buleca@tuke.sk</u>

#### Peter Burger, PhD, Associate Professor

His areas of research interest include innovation, clusters, entrepreneurship and innovation, SME analysis, foreign direct investments, knowledge and technology, regional policy and regional development. He has been involved in several national and international projects both as a project team member and project manager. He regularly teaches Innovation Policy, Regional Economics and Politics, EU Regional Policy, Urban and Regional Planning and Management. E-mail: <u>Peter.Burger@tuke.sk</u>

#### 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: <u>Julius.Czap@tuke.sk</u>

#### Radoslav Delina, PhD, Associate Professor

Radoslav Delina has extensive experiences from the positions of the expert advisor for Ministry of Foreign Affairs of Japan, expert advisor for Ministry of Education SR in the field of research and innovation, representative of Slovak Republic in the European RTD Evaluation Network (Ares(2013)437085-MS) under DG Research and Innovation of European Commission and several RDI EU networks. He is focusing his activities on the research in the field of Information Society and the information and communication technology (ICT) impact on different socioeconomic 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 coordinated H2020 CSA project WIRE2017. 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 Ecuation) 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, Collecter 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 member of E-Business & E-commerce Steering Committee within ALADIN - ALpe ADria INitiative Universities' Network. E-mail: <u>Radoslav.Delina@tuke.sk</u>



#### Radovan Dráb, PhD, Assistant Professor

In his research he focuses mainly on the socio-economic aspects of trust and its mechanisms in e-procurement and e-commerce itself as well as decision making methods, datamiming methods and their applications in economical sciences and technical analysis. His areas of interest are also focused on the efficiency of public finances in various fields. Lecturing courses: Financial Decision-making, Technical Analysis, Electronic commerce

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#### Peter Džupka, PhD, Associate Professor

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

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#### Júlia Ďurčová, PhD, Associate Professor

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

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#### Veronika Ďuricová, PhD, Assistant Professor

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

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#### Beáta Gavurová, PhD, MBA, Associate Professor

She graduated at the University of Economics in Bratislava. Currently she works as assoc. professor at the Faculty of Economics, Technical University of Kosice. In her research work she has focused primarily on health policy, efficiency measurement and digitalization of health care processes, health demographic analyzes, concepts of regional disparities elimination in the area of health in SR, availability of health care in Slovak regions, long-term health care in SR, optimization health care networks in SR (specialisation of clinics, one-day surgery), development of strategic framework concepts in the health system, including also the marginalized and segregated communities, etc. In recent years, she has been working on complex multidimensional health and epidemiological analyzes in the framework of contractual cooperation with the Ministry of Health, the Institute of Health Policy and the National Health Information Center. She teaches and guarantees the subject of Risk and Uncertainty in Finance, Volunteerism, Measurement and Management of Performance in Organizations, Economics and Management of Health Care System. Thanks to her broad knowledge, she is a member of three expert groups of the Office of the Government of the Slovak Republic, several monitoring and evaluation committees.

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#### Vladimír Gazda, PhD, Professor

His research interests are in the field of Econometrics and various applications of Operations research. He is also engaged in Microeonomics, Game Theory and Investments. Courses taught: Econometrics, Game Theory and Quantitative Microeconomics.

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#### Jozef Glova, PhD, Associate Professor

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

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#### Ján Hreňo, PhD, Researcher

His research interests are artificial intelligence, knowledge modelling, semantic web and egovernment. At present he participates in several international research projects. E-mail: 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.Hudakova.Stasova@tuke.sk

#### Oto Hudec, PhD, Professor

He has broad experience of research in the fileds of regional and urban 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 Economics. E-mail: <u>Oto.Hudec@tuke.sk</u>

#### 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

#### 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: Business Economics, Management. E-mail: <u>Slavka.Klasova@tuke.sk</u>



#### Michal Kočiš, Researcher

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

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#### Kristína Kočišová, PhD, Associate Professor

In research work she focuses on issues of commercial and central banking (e.g. competition, efficiency, and stability on the level of the banking sector, but also the level of banks or bank branches in the national economy). She participates in several national and international research projects. She teaches and guarantees the subjects: Banking, Central banking, Management of banking operations, Payment system, Selected models and analysis in banking.

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#### Gabriela Koľveková, PhD, Assistant Professor

Research focus on institutional economics has led her to participation in national and international research projects. Thereupon she has authored or co-authored over 110 publications. In the course of the work at Technical University of Košice she has taught the following courses: Introduction to microeconomics, Macroeconomics, World Economy, Quantitative Microeconomics and History of Economic Thoughts.

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#### lveta 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, Project Management.

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#### Viliam Kováč, PhD, Assistant Professor

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 and international projects. List of courses taught: Finance and Currency, Financial Derivatives, Business Finance, Business Economics.

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#### Peter Kostelník, PhD, Researcher

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

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#### Matúš Kubák, PhD, Assistant Professor

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



#### 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 statististics, 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.

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#### Tomáš Malatinec, PhD, Assistant Professor

He has finished his PhD study in the field of public administration and regional development at the Faculty of European Studies and Regional Development (Slovak University of Agriculture in Nitra) in 2014. He also has finished the study programme European Studies at the Faculty of Political Sciences and International Relations (University of Matej Bel in Banská Bystrica) and the study programme Law at the Faculty of Law (Trnava University in Trnava). His research activities are mainly focusing on public administration, public procurement, Europeanization of the public administration, efficiency in public administration and contract theory. His PhD thesis was focused on the efficiency of state administration in the field of trade licensing. He participates in several national and international research and educational projects.

Courses taught: Basics of Law for Economists, Administrative Law, Financial Law, Management and Governance of the European Union, Municipal Policy, Local Economic Development

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#### Lenka Maličká, PhD, Associate Professor

Her research interest is public finance especially fiscal decentralisation. She participates in several projects. Courses taught: Public Finance, Financing Territorial Self-government Units, Public Choice.

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#### 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, Tax and Taxation Systems. E-mail: Lucia.Mihokova@tuke.sk

#### Rajmund Mirdala, PhD, Associate Professor

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



#### Alena Mojsejová, PhD, Assistant Professor

She has finished his PhD study in the field of econometrics and operational research at the Faculty of Economic Informatics, University of Economics in Bratislava, in 2010. Her areas of research interest include statistical methods of household' income modelling, statistics of extreme values, modelling of extreme events in non-life insurance, econometrics and financial mathematics. List of courses taught by her (in Slovak and English language): Probability and Statistics, Statistical Methods, Mathematics I, Mathematics II. . She participates in several national and international research projects.

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#### Silvia Mrázková, PhD, Assistant Professor

She has finished her PhD. study in the field of valuation of intangible assets in 2018. Her research interests include the area of valuation of intangible assets and empirical analysis of the effect of intangible assets and R&D expenses on the firm performance. In May 2018, she has been awarded DAAD Research Scholarship for young academics (University of Wuppertal, 10/2018 - 06/2019).

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#### Miroslava Muchová, PhD, Assistant Professor

She has finished his PhD study at the Faculty of Electrical Engineering and Informatics, Technical University of Košice, in 2018. Her research interests are in the areas of knowledge discovery, datamining, data analysis and knowledge-based approaches in information systems, business informatics, IT technologies.

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#### 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.

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#### Daniela Palaščáková, PhD, Assistant Professor

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

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#### Dana Paľová, PhD, Assistant Professor

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

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#### Ľudmila Pavliková, PhD, Assistant Professor

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

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#### 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 pararel, he has teached at several universities for over 30 years.

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#### Mojmír Prídavok, 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 programme; Web2rism proj. founded by The Commission for Technology and Innovation CTI in . 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

#### 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, NAtional Economy.

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#### Libuša Révészová, PhD, Assistant Professor

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

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#### Tomáš Sabol, PhD, Professor

His research interests are in the areas of knowledge management and semantic technologies, e-government, socio-economic analysis of information and communication technology applications, Information society and Knowledge economy development. Courses taught: Valuation of Investment Projects and Project Management. Tomas has extensive experience 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.

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#### Štefan Samson, PhD, Professor Emeritus

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

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#### Marek Skokan, PhD, Researcher

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

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#### Tatiana Soroková, PhD, Assistant Professor

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

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#### Adela Szalayová, Researcher

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

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#### Miriam Šebová, PhD, Associate Professor

Her research interests include regional economics and policy, the public administration and cultural economics. She is also interested in economic impact studies, knowledge based economicy and culture led development of cities. She is participating in several research projects. Courses taught: Theory of Public Administration, Sustainable Development, Workshop in Regional Economics, Bachelor seminar, Public Management, Introduction to Academic Debate.

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#### Michal Šoltés, PhD, Associate Professor

His research is focused on financial investments, innovation management and financial derivatives. He is also interested in foreign direct investments and risk management. Recently, he focuses on the area of venture capital and its impact on SMEs and their performance. Courses taught: Actuarial Science, Financial Investments, Discussion Seminar.

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#### Vincent Šoltés, PhD, Professor

His research is in the areas of financial markets, financial derivatives, financial mathematics, and quantitative methods in economics, portfolio analysis and foreign direct investment. He is also interested in real and nominal convergence of economics in the Slovak Republic with the economies of EU countries. Courses taught: Financial Derivatives, Mathematics I. E-mail: <u>Vincent.Soltes@tuke.sk</u>

#### Ľubica Štiblárová, PhD, Assistant Professor

Her areas of research interest include the issues of macroeconomics, international finance, with focus on the business cycle and monetary integration theories. Courses taught: Econometrics, Environmental Finance and International Finance.

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#### Tomáš Štofa, PhD, Assistant Professor

His research interests are in the field of alternative investments with emphasis on crowdsourcing and private equity capital. He is also interested in mechanisms in e-procurement and e-commerce. List of courses taught: SAP User I, SAP User II, SAP Consultant I, SAP Consultant II, Technical analysis and E-commerce. E-mail: Tomas.Stofa@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

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#### Veronika Šuliková, 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: Monetary Macro-analysis, International Finance, Economic Policy, Open Macroeconomics (in French), External and Internal Imbalances (in French), Business Finance, Public Finance.

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#### Monika Timková, 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: Financial markets, Financial derivatives and Auditing and Tax Consulting. E-mail: <u>Monika.Timkova@tuke.sk</u>

#### Andrea Tkáčová, PhD, Assistant professor

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

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#### Peter Tóth, PhD, Assistant Professor

His field of research includes agent-based modelling, econometrics, quantitative methods, telecommunication systems and health care. He defended his PhD. thesis about new approaches in frequency spectrum markets in 2017. He has participated in several national projects.

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#### Radoslav Tušan, PhD, Assistant Professor

His research is focused on two directions: Economy and Finance of Environment and Accounting and Auditing International Standards. List of courses taught: Environment Finance, Accounting I., Auditing and Fiscal Consulting, International Accounting Standards, Accounting of Public Sector, Accounting of Financial Institutions. He also teaches subjects in English within the Erasmus programme.

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#### Slavomíra Ťahlová, PhD, Assistant Professor

Her research interests are in the area of taxes and tax systems, and public finance. In this field she also defended her PhD thesis "Corporate Tax as a Financial Policy Tool" at the Faculty of Economics, Technical University of Kosice in 2018. List of courses taught: Taxes and Tax Systems, Finance and Currency, Accounting of financial institutions. E-mail: Slavomira.Tahlova@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; Programme management and Project Proposal Writing. E-mail: <u>Natasa.Urbancikova@tuke.sk</u>

#### 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, e-government, IT technologies supporting economic activities and business informatics. He participated in several national (VEGA) and international research projects (FP6, LLP, ESF, Erasmus+). List of courses taught: Informatics I, Informatics II, Electronic Services in Banking, Economic Information Systems.

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#### Martin Zoričak, PhD, Assistant Professor

The areas of his research interest are complex systems, agent-based modeling, taxation, machine learning in economics. Topic of his dissertaion thesis was Agent based model of tax competition. He is participant in APVV project. Courses tought: Accounting of financial institutions, Taxes and Tax Systems, Accounting I, Accounting in Information Systems. E-mail: Martin.Zoricak@tuke.sk

#### Tomáš Želinský, PhD, Associate Professor

Tomáš Želinský 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. During his academic career Tomáš has been awarded a number of scholarships and fellowships, such as: The Australia Awards–Endeavour Scholarships and Fellowships (visiting Monash University in 2017/2018), 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 Prauge & Charles University in 2008/2009), and Jan Hus Educational Foundation Scholarship for young researchers (in 2012/2013). E-mail: <u>Tomas.Zelinsky@tuke.sk</u>



Fig. 11: Matriculation Ball 2018



## 13 Publications Published In 2018

## **13.1 Books and Chapters in Books**

AAB001 [190575] **Mobile Shopers: Ako nakupujú majitelia smartfónov** / Lukáš Kakalejčík, Jozef Bucko - 1. vyd - Košice : TU - 2018. - 89 s.. - ISBN 978-80-553-2928-4. [KAKALEJČÍK, Lukáš - BUCKO, Jozef]

AAB002 [190885] **Firemní management** / Jaroslav Belás ... [et al.] - 1. vyd - Žilina : GEORG - 2018. - 289 s.. - ISBN 978-80-8154-222-0.

[BELÁS, Jaroslav - CHOVANCOVÁ, Božena - GAVUROVÁ, Beáta - KLJUČNIKOV, Aleksandr - ČEPEL, Martin - KOTÁSKOVÁ, Anna - VIRGLEROVÁ, Zuzana]

ABA001 [201897] **Slovak republic and global value chains** chapter 2/ Oľga Nosáľová - 2018.In: Global Value Chains, International Fragmentation of Production and Implications for European Union. - Craiova (Rumunsko) : Association for Sustainable Education Research and Science - ASERS Publishing s. 26-84 [3,09 AH] [print, online]. - ISBN 978-606-8689-39-5

[NOSÁĽOVÁ, Oľga]

ABC001 [189128] **Comparison of selected market indicators during the dot-com bubble** Chapter 5/ Wladimir Schubert ... [et al.] - 2018.In: Financial Management from an Emerging Market Perspective : Business, Management and Economics : book edited by Guray Kucukkocaoglu and Soner Gokten. - S.I. : INTECH, 2018 P. 93-111 [1,43 AH]. - ISBN 978-953-51-3737-5

[SCHUBERT, Wladimir - GAVUROVÁ, Beáta - KOVÁČ, Viliam - UŽÍK, Martin]

ABC002 [191075] **The evolution of innovation networks in Slovakia: disintegration and slow recovery** Part 3/ Oto Hudec, Martina Prochádzková - 2018.In: Knowledge Spillovers in Regional Innovation Systems : A Case Study of CEE Regions. - Cham : Springer, 2018 P. 133-161. - ISBN 978-3-319-67029-4

[HUDEC, Oto - PROCHÁDZKOVÁ, Martina]

ABC003 [192081] **Corporate social responsibility as a strategic goal in business: A case study** Chapter 4/ Mária Janošková, Daniela Palaščáková - 2018.In: Corporate Social Responsibility (CSR): Practices, Issues and Global Perspectives. - New York : Nova Science Publishers, 2018 P. 109-144. -ISBN 978-1-53613-252-6

[JANOŠKOVÁ, Mária Ria - PALAŠČÁKOVÁ, Daniela]

ABC004 [192438] **Business internationalisation** A case study of Telegrafia from Slovakia/ Peter Džupka, Miriam Šebová - 2018.In: Entrepreneurship in Central and Eastern Europe: Development through Internationalization. - London : Routledge , 2018 P. 138-155 [1,08 AH]. - ISBN 978-1-138-22850-4

[DŽUPKA, Peter - ŠEBOVÁ, Miriam]

ABC005 [201896] **Development of global value chains** chapter 1/ O'ga Nosáľová - 2018.In: Global Value Chains, International Fragmentation of Production and Implications for European Union. - Craiova (Rumunsko) : Association for Sustainable Education Research and Science - ASERS Publishing s. 11-25 [1,22 AH] [print, online]. - ISBN 978-606-8689-39-5 [NOSÁĽOVÁ, O'ga]

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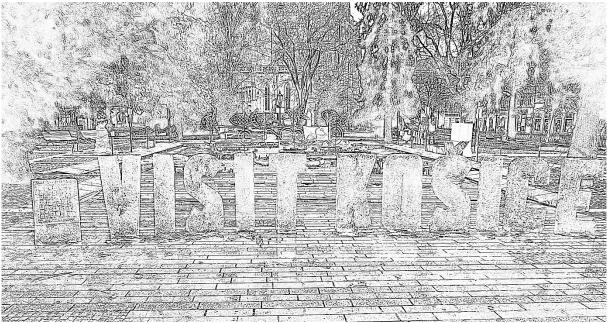


Fig. 12: State Theater in Košice - "Ice Kingdom"



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