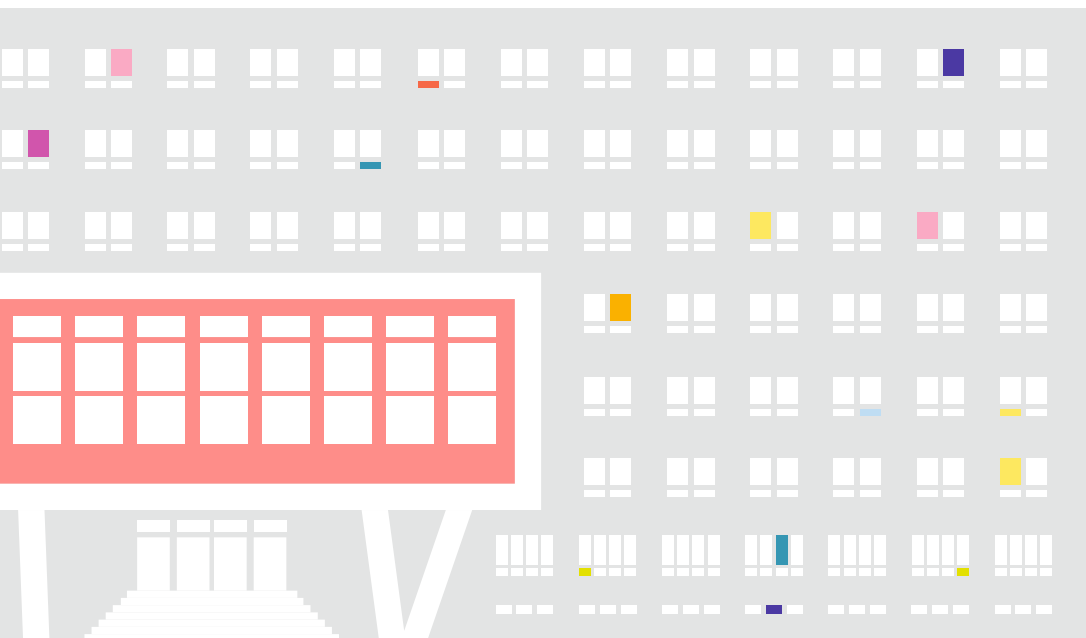


# Technical University of Košice FACULTY OF ECONOMICS

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## ANNUAL REPORT 2019



TECHNICAL UNIVERSITY OF KOŠICE  
Faculty of Economics

Technical University of Košice

**Faculty of Economics**

**ANNUAL REPORT**  
**2019**



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# 1 Foreword

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Ladies and Gentlemen,

the year 2019 was specific one. Actually, as each and every one is. We were experiencing the process of forming new environment of high education. New criteria, new procedures, new standards of quality, new conditions of existence and proving the good work is being done.

We are experiencing the beginning of new era. New accreditation body was formed and first new standards of quality were elaborated. However, is it really a new era? I am not so sure... If you focus yourself on quality, if you work as hard as you can, always being driven by your own high moral and ethical measures, if you work hard following your internal high standards of quality, than new indicators cannot change your drive. It is not a new era, it is only the change of standards and measures of the same final value – quality. Anyway, if you were concentrating yourself on reaching the indicators, then it is a new era, but I am sure that our Faculty is not this case. This Annual report is another prove of my confidence.



The Annual report provides an overview of research related activities at the Faculty of Economics of the Technical University in Košice during the year 2019. 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 2019 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

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## 2 Background

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The Faculty of Economics TUKE 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 financial, consultation, commercial and electronic services in economy and society. Topics 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 consultation activities, 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 TUKE 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 the faculty 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 staff of the faculty.



*Fig. 2: The Technical University of Košice*



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## 3 Faculty Management

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Dean:

**Assoc. Prof. Michal Šoltés, PhD.**

Telephone: +421-55-602 3276

Fax: +421-55-602 8046

E-mail: [michal.soltes@tuke.sk](mailto:michal.soltes@tuke.sk)

Vice-Deans:

**Assoc. Prof. Rajmund Mirdala, PhD.** – responsible for scientific and research activities and doctoral study

Telephone: +421-55-602 3290

Fax: +421-55-602 8046

E-mail: [rajmund.mirdala@tuke.sk](mailto:rajmund.mirdala@tuke.sk)

**Dr. Libuša Révészová, PhD.** – responsible for educational affairs

Telephone: +421-55-602 3566

Fax: +421-55-602 8046

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

**Assoc. Prof. Dr. Ján Buleca, PhD.** - responsible for external relations and development

Telephone: +421-55-602 2141

Fax: +421-55-602 2141

E-mail: [jan.buleca@tuke.sk](mailto:jan.buleca@tuke.sk)

Secretary of the Faculty:

**Ing. Lenka Vejačková**

Telephone: +421-55-602 3271

Fax: +421-55-602 8046

E-mail: [lenka.vejackova@tuke.sk](mailto:lenka.vejackova@tuke.sk)

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## 4 Departments

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The Faculty of Economics has five departments.

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### 4.1 Department of Economics

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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, European Integration, Business Experience of Companies, Input-Output Analysis.
- on the Master level: Monetary Macro-analysis, 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, Theories of Public Finance.

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

- Psychology, Sociology, Social Communication, Ethics and Communication, Diplomatic Protocol, Business Ethics, Geopolitics.

Department's staff participates in the following activities organized on the faculty level: Košice Economic Forum (KEF), double diploma programme (Université Côte d'Azur, France), Slovak-French University Institute.

**Head of the Department:** Assoc. Prof. Marianna Siničáková, PhD.

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

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### 4.2 Department of Finance

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

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

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

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

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## 4.3 Department of Banking and Investment

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The Department's research activities are focused on analysis of foreign direct investments, banking, actuarial science, business process measuring and business modelling, e-business, 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. Jozef Glova, PhD

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

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## 4.4 Department of Regional Science and Management

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

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, Cultural Economics, Sustainability 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. organizing of the competition for high school students called Eurofondue since 2014 and supports the organizing of the Central European Conference on Regional Science.

The Department offers courses in Management, Public Management, Business Economics, Marketing, 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.

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

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

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## 4.5 Department of Applied Mathematics and Business Informatics

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The Department's research activities are focused on the topic of the Information Society in the context of its impact on citizens, education and businesses, as well as the policy aspects and regulatory framework of electronic communication networks. Information sharing on web-based platforms and electronic financial services, e.g. implementation of e-banking and mobile payment systems are investigated as well. The Department is involved in several international and national research projects in the area of Enterprise and Entrepreneurship, Innovation. The Department staff 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](mailto:Jozef.Bucko@tuke.sk)

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## 5 Research Priorities

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

1. Finance, Banking, Investment
  - Taxation and its economic, political, social and demographic aspects
  - Financial health of households, small and medium enterprises (SMEs)
  - Financial, accounting and auditing theory in multidisciplinary applications
  - Economic and financial aspects of municipalities and regions performance
  - Performance, efficiency, competition and stability of commercial banks
  - Financial markets and strategies of efficient allocation of financial resources
  - Financial derivatives in private and public sectors
  - Agent based modelling (ABS)
  - Global value chains and trade with value added
  - External imbalances and institutional changes in the Eurozone
  - Fiscal and monetary policy in the Eurozone
  
2. Business Informatics
  - Digital transformation of business processes, data mining, artificial intelligence in socio-economic environment and managerial decision-making
  - Proposal and development of data services and automatization of decision-making processes in electronic procurement and management of supply chains
  - Social innovations 4.0
  - Data based market analysis
  - Socio-economic analysis of ICT applications
  - Information society – trends, economic and social aspects, socioeconomic evaluation of ICT applications
  - Trust and security in electronic commerce, digital identity, web based marketing, e-business, e-procurement, e-banking, e-government, and e-health
  - Data-driven marketing, economic and financial efficiency of web domains and smartphone applications
  - Methodology and methods of economics and business process modelling
  - Digital single market development
  - Industry 4.0
  - Innovations in educational processes
  - Statistical support for a wide variety of research areas based on economic data (even big data), tourism, sport, medical care, etc.
  
3. Regional Science and Public Administration
  - Cultural economics, efficiency of cultural institutions, cultural participation and policy; culture, creative industries and tourism
  - Regional and urban development and adaptation to climate changes, local adaptation strategies
  - Public procurement and evaluation of its efficiency, modern concepts of public procurement (green, digital, etc.), efficiency of public finance
  - Municipal policy, assessment and evaluation of municipal processes
  - Migration, mobility (regional and urban), diversity and its economic and social benefits, public management; population, migration and mobility Behaviour
  - Innovation, entrepreneurship and clusters, cluster and innovation policy
  - Regional knowledge base, spatial distribution of knowledge base
  - Marketing, management and its effects on efficiency of enterprises

- Preferences, values and standards of segregated minorities; segregation, social and spatial inequalities
- Location of economic activities and modelling
- Transport, land use and accessibility
- Creative and smart cities

#### 4. Healthcare Economics

- Economic efficiency of the health system
- Health and social policy in Slovakia
- health behavior and status of the population of marginalized and segregated communities
- Efficiency of prevention programs in the surveyed area of Slovakia
- 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, medical and communication technologies in healthcare
- Strategic management of the health system in Slovakia
- Economic metrics concepts for Strategic Framework of Slovak healthcare system



*Fig. 3: Team-building day of the faculty*

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## 6 Research Projects

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

The research projects are funded from the following sources:

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

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### 6.1 International R&D Projects

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

#### **Project description:**

The PICASO project has finished in 2019. The tools developed for the PICASO platform were fully integrated. Thanks to these tools, the care professionals can use interactive visualisation to explore the patient's data, care management capabilities to explore and adjust patient's care plans as well as conflicts and risk alerting capabilities to do necessary treatment actions. By using these tools, the care professionals can harmonise patient treatment especially when a comorbidity is present. As the main results of the PICASO project, the SW platform, the SW tools and the evaluation of pilot applications were successfully justified during the final project review that took place in Luxembourg in August 2019.

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

**Project description:**

According to the PLUGGY Final review meeting, which took place in November 2019 the main achievement of the project is the deployment and operation of the Social Platform and Curatorial Tools, which reflect the principles of the reviewed Faro convention. The created platform is open to anyone who wish to become member and primarily appears to assist for an increased citizens' participation in heritage matters, with the introduction of innovative tools and functionalities. Although the platform is still early in its development, it is a good foundation for future development.

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

**Project description:**

The MONSOON vision was to provide Process Industries with dependable tools to help achieving improvements in the efficient use and re-use of raw resources and energy. MONSOON aimed at establishing a data-driven methodology supporting the exploitation of optimization potentials by applying multi-scale model based predictive controls in production processes. The developed Data Lab enables multidisciplinary collaboration of experts allowing teams to jointly model, develop and evaluate distributed controls in rapid and cost-effective way. Hybrid simulation and seamless integration techniques are adopted for rapid prototyping and deployment in real conditions. MONSOON was evaluated in two sites from the aluminium and plastics domains. The aluminium scenario was focused on predictive monitoring of potlines, targeting early detection of anomalies and identification of potential optimization gains sustainability.

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<i>Project title:</i>	<b>Opportunity ReCognition and Exploitation in a Circular Economy for RIS (ORCERIS)</b>
<i>Supported by:</i>	H2020, EIRT, Raw materials
<i>Contract Number:</i>	17123
<i>Coordinator:</i>	Nataša Urbančíková
<i>Associated faculty:</i>	Oto Hudec
<i>Duration:</i>	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.

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

**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.

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

**Project description:**

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, pilot-test 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.

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*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 Kočíšová

*Duration:* 2017 – 2019

*Website:* <http://www.interreg-danube.eu/approved-projects/attractive-danube>

**Project description:**

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.

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

**Project description:**

KnowLING IPR will improve framework conditions for innovation in the Danube region by developing a transnational KnowLING 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.

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<i>Project title:</i>	<b>Strengthening Social Innovation and Entrepreneurial Spirit of Secondary Schools' Students by Using Highly Innovative Learning System</b>
<i>Acronym:</i>	<b>InnoSchool</b>
<i>Contract Number:</i>	DTP2-021-1.2
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Local coordinator:</i>	Beáta Gavurová
<i>Associated Faculty:</i>	Mojmír Prídavok, František Janke, Miroslava Packová, Martin Dujčák
<i>Duration:</i>	2018 – 2021
<i>Website:</i>	<a href="http://www.interreg-danube.eu/approved-projects/innoschool">http://www.interreg-danube.eu/approved-projects/innoschool</a>

**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 experiential learning and (2) social media and interschool competition inclusion to boost attractivity for students.

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<i>Project title:</i>	<b>Bringing Circular Economy to Peripheral Urban Centres</b>
<i>Acronym:</i>	<b>CITYCIRCLE</b>
<i>Contract Number:</i>	CE1515
<i>Supported by:</i>	INTERREG Central Europe
<i>Local coordinator:</i>	Mojmír Prídavok
<i>Associated Faculty:</i>	František Janke, Miroslava Packová, Martin Dujčák, Kristína Kočišová, Jozef Bucko, Róbert Hanzen, Peter Ťapák
<i>Duration:</i>	2019 – 2022
<i>Website:</i>	<a href="https://www.interreg-central.eu/Content.Node/CITYCIRCLE.html">https://www.interreg-central.eu/Content.Node/CITYCIRCLE.html</a>

**Project description:**

CITYCIRCLE is improving innovation capacities of peripheral urban centers of Central Europe by introducing the circular economy system to partner cities. Peripheral cities of Central Europe are marked by lack of innovation cooperation and lack of access to global innovation processes. Circular economy (CE) has been acknowledged as a development concept that should provide sustainable, resource efficient development and a great pool for innovation of new technologies, services, solutions and business models (EU Action Plan “Closing the loop”) to make our cities and regions better places to live and work. The main CITYCIRCLE objective is to utilize innovation potential of circular economy in cities through 1) setting-up quadruple-helix circular economy hubs in partner cities and to 2) equip them with the knowledge and tools so they will be able to design circular economy value-chains in their cities. Hubs will implement 3) pilot projects in the framework of respective S3 strategies to test developed tools, while 4) transnational value chains (supported by transnational marketplace for materials) will be defined in transnational CE strategy (transnational S3 implementation) to link local circular economy value chains and reach critical mass.

<i>Project title:</i>	<b>Innovation Ecosystem for Smart Elderly Care</b>
<i>Acronym:</i>	<i>I-CARE-SMART</i>
<i>Contract Number:</i>	<i>CE1516</i>
<i>Supported by:</i>	INTERREG Central Europe
<i>Local coordinator:</i>	Mojmír Prídavok
<i>Associated Faculty:</i>	František Janke, Miroslava Packová, Martin Dujčák, Peter Ťapák
<i>Duration:</i>	2019 – 2022
<i>Website:</i>	<a href="http://www.interreg-central.eu/I-CARE-SMART">www.interreg-central.eu/I-CARE-SMART</a>

**Project description:**

Central Europe may catch up with European innovation leaders by working jointly on common priorities. Health & well-being of the elderly is a shared concern of I-CARE-SMART partners. They look at it not only as a societal challenge but also as an opportunity to promote growth. This calls for the development of innovative products & services meeting the special needs of the elderly, a notion often referred to as the silver economy. However, CE is still lagging behind to develop such products & services with active user involvement. I-CARE-SMART partners aim to bring innovation closer to senior citizens and create a structured collaboration framework centred around the users. Local/regional public authorities having strong links with seniors are well positioned to help this process. They can act as facilitators of innovation by mobilising seniors and creating platforms where potential users can interact with innovators, voice their needs and provide feedback. Small businesses also have to gain enhanced capacities to access such platforms, which help them to develop highly marketable products & services. I-CARE-SMART delivers a comprehensive toolset with practical guidance on how to engage seniors and businesses in user-focused co-creation and open innovation. Based on the tools developed, a step-by-step process is launched to build new cooperation channels gradually. It starts with a co-creation based needs assessment, then innovators are invited to present solutions to the revealed needs through the SilverStar Challenge. Development of solutions with user involvement is piloted via interactive co-creation sessions and living-lab-type real-life tests. Finally, the SilverStar Platform, a transnational open innovation platform opens the room for co-creation across borders. Through these steps, participants are “learning by doing” and get enabled to create lasting, structured collaboration within and among regional innovation ecosystems for smart elderly care.

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

**Project description:**

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

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<i>Project title:</i>	<b>Enhancing climate innovation mindset in the education system of CEE</b>
<i>Acronym:</i>	<b>Edu- Research CEE</b>
<i>Supported by:</i>	H2020 , EIT Climate KIC
<i>Contract Number:</i>	190725
<i>Local coordinator:</i>	Miriam Šebová
<i>Associated Faculty:</i>	Dana Pařová, Erika Liptáková
<i>Duration:</i>	2019– 2020

**Project description:**

The project is focused on education in CEE. It combines two perspectives – the perspective of environmental education and the perspective of fostering creativity and innovation mindset during learning process. The countries of V4 were identified as particularly susceptible to the future based on their low innovation performance and insufficient entrepreneurship.

In 2019 an overarching desktop research was conducted by 4 universities from V4 countries on the creativity and sustainability in education systems. The findings were summarized in the final report. The next stage of the project will focus on primary research based on survey and focus groups with teachers. The objective of the project is to identify the crucial factor which limit the creativity and holistic understanding of sustainability concept in education.

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<i>Project title:</i>	<b>Decreasing the Negative Outcome of Brain Drain in the Raw Material Sector</b>
<i>Acronym:</i>	LIMBRA
<i>Contract Number:</i>	18197
<i>Supported by:</i>	H2020 ,EIT Raw Materials
<i>Local coordinator:</i>	Miriam Šebová
<i>Associated Faculty:</i>	Tomáš Malatínek, Lenka Maličká, Viliam Kováč
<i>Duration:</i>	2019

**Project description:**

The overall objective of LIMBRA is to limit the brain drain in the raw materials sector and to enhance the entrepreneurial activity in the Visegrád Four countries. The target group of the project are young people with education in the field of raw materials sector. Reaching out to the representatives of the young generation early during their studies could reorient their learning pathways and create early interests into RMs sector bases. The students have to be aware of opportunities to start their career during their studies in the university region. These opportunities

may represent reasons for them to stay in the region and don't migrate to a more attractive region, e.g. in western economies. The objective of the LIMBRA project is to elaborate the market report in the sector based on market research in V4 countries.

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<i>Project title:</i>	<b>Review of EU Cohesion Policy in Slovakia – Lessons from the past and priorities for the future</b>
<i>Supported by:</i>	<i>DG Regio</i>
<i>Contract Number:</i>	2018CE16BAT145
<i>Local coordinator:</i>	Miriam Šebová
<i>Associated Faculty:</i>	Tomáš Želinský, Matúš Kubák
<i>Duration:</i>	2019 – 2020

**Project description:**

The proposed project is based on an innovative mix of communication actions in cooperation of publishing houses (EURACTIV.sk and SME.sk) and academia. The project focuses on sectoral topics relevant for regional policy in Slovakia (Environment, Research and Innovation, Education and Employment, Transport). Involved members of project team at TUKE are responsible for writing policy papers focused on critical issues on regional development. The next activity in the project is supporting the competition of Eurofondue.

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## 6.2 National R&D Projects

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<i>Project title:</i>	<b>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</b>
<i>Supported by:</i>	Slovak Research and Development Agency
<i>Contract Number:</i>	APVV-16-0368
<i>Coordinator:</i>	Radoslav Delina
<i>Associated Faculty:</i>	Marek Gróf, Radovan Dráb, Rajmund Mirdala, Lenka Senderáková, Renáta Olejárová, Marek Macík
<i>Duration:</i>	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 area 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 e-supply chains. As an output, new strategies for real innovation of digital single market implementation and for policy support will be defined.

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<i>Project title:</i>	<b>Multidimensional analysis of significant determinants of public procurement efficiency with emphasis on the application of Health Technology Assessment in the procurement preparation phase</b>
<i>Supported by:</i>	Slovak Research and Development Agency
<i>Contract Number:</i>	APVV-17-0360
<i>Coordinator:</i>	Beáta Gavurová
<i>Associated Faculty:</i>	František Janke, Mojmír Prídavok, Miroslava Packová, Martin Dujčák, Ivana Perželová.
<i>Duration:</i>	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 optimisation 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 optimisation of the procurement settings and the subsequent evaluation of the effectiveness of public procurement in order to achieve the best value for money.

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*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.

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*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 Zausinová  
*Duration:* 2016 – 2019

**Project description:**

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

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<i>Project title:</i>	<b>Economy model of the telecommunication network as an instantaneous part of the Internet of things</b>
<i>Supported by:</i>	Slovak Research and Development Agency
<i>Contract Number:</i>	APVV 18-0368
<i>Coordinator:</i>	Vladimír Gazda
<i>Associated Faculty:</i>	Gabriel Bugár, Marek Gróf, Lenka Maličká, Marcel Vološin, Jana Zausinová, Martin Zoričák
<i>Duration:</i>	2019 – 2022

**Project description:**

Internet of things becomes a crucial technological paradigm to permeate every facet of mankind. There are expected significant changes not only in the utilization of the smart technological types of equipment but also in the functioning of the whole areas within the society. The mankind is approaching the state of the technological singularity, i.e., increasing interconnectedness of the smart machines will evoke boom of the economic growth that is expected to be highly unstable and would be followed by a sudden phase transition between various multi-equilibria states. It is evident that the scientific methodology based on the neoclassical approach interpreting just only stable equilibria state will not be capable of explaining new phenomena. The presented research will be focused on the instantaneous part of the IoT - the wireless communication network. Within the network, the scarce commodity called frequency spectrum is to be traded among various heterogeneous network participants. However, the seminal research of the Nyiato, Hossain, and others, published a few years ago, use standard methodological concepts like utility functions, demand and supply, profit, price, and various forms of the trade interactions like bargaining and auctions. So far, the authors mainly neglect the complex property of the communication networks functioning within the IoT. The ambition of the project is to propose and analyze the agent-based models of the IoT communication network capable of taking into account the new phenomena like phase transitions, multi-equilibria states, path dependence, self-organization, and the others, i.e., all the aspects that became the core of the complexity theory research.

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<i>Project title:</i>	<b>Economic and social indicators of quality of life in cities</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0453/19
<i>Coordinator:</i>	Oto Hudec
<i>Associated Faculty:</i>	Nataša Urbančíková, Iveta Korobaničová, Slávka Klasová, Tomáš Želinský, Žofia Sinčáková, Jozef Bľanda
<i>Duration:</i>	2019 – 2021

**Project description:**

Multi-dimensional concepts such as quality of life or social well-being cannot be defined in the usual direct way. The justification of their key aspects (domains) is required and composite indexes composed of domains containing indicators corresponding to the theoretical concept are the most widely used for analyzing spatial differences in the quality of life of the population. The quality of life takes into account economic and social factors as well as the external environment (city) for the life of the individual. The project shall propose new economic and social indicators of measuring the quality of life. Statistical and econometric methods (factor analysis, regression models and clustering methods) are be used to explore the spatial context of quality of life in European space. An in-depth analysis of the socio-economic and systemic structure of European and Slovak cities makes it possible to understand the mechanisms of urban prosperity in relation to the quality of life. The results create an analytical basis for the development of Slovak cities by revealing the problematic aspects of quality of life and development.

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<i>Project title:</i>	<b>Development of methodological platform for evaluation of efficiency in the financial and non-financial sector</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0794/18
<i>Coordinator:</i>	Kristína Kočíšová
<i>Associated Faculty:</i>	Radovan Dráb, Alena Mojsejová, Peter Šugerek, Jakub Sopko, Adriana Novotná, Michaela Kavčáková
<i>Duration:</i>	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.

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<i>Project title:</i>	<b>Perzistencia v inflácii, cenová stabilita a výkonnosť eurozóny</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA 1/0793/19
<i>Coordinator:</i>	Rajmund Mirdala
<i>Associated Faculty:</i>	Marianna Siničáková, Julia Ďurčová, Veronika Šulíková, Lubica Štiblarová, Leoš Šafár, Zuzana Čarnogurská.
<i>Duration:</i>	2019 – 2021

**Project description:**

Change in the perception of price stability is one of the key implications affecting monetary policy conduction since the recent economic crisis. Deflationary or disinflationary pressures that slow already modest inflation that is crucial for economic growth together with low effectiveness of the monetary policy measures to stimulate higher inflation brought the attention of economists to the problem of inflation persistence. Its presence undermines the success of monetary authorities in achieving stable inflation, especially in periods when inflation deviates from its target. The main aim of the project is to quantify the degree of inflation persistence and its structural characteristics in Euro Area member and non-member countries. Understanding the persistence in inflation in large number of countries while taking monetary and economic fundamentals into account will allow us to revise current monetary policy framework of the Euro Area and propose different alternatives of its adjustments.

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<i>Project title:</i>	<b>Evaluation of the efficiency of public procurement of selected commodities in healthcare facilities in the Slovak Republic</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA 1/0846/18
<i>Coordinator:</i>	Beáta Gavurová
<i>Associated Faculty:</i>	František Janke; Mojmír Prídavok; Miroslava Packová; Martin Dujčák; Andrea Tkáčová; Viliam Kováč; Libuša Réveszová
<i>Duration:</i>	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.

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<i>Project title:</i>	<b>Decision Support Systems and Business Intelligence within Network Economy.</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0201/19
<i>Coordinator:</i>	Martin Vejačka
<i>Associated Faculty:</i>	Jozef Bucko, Dana Paľová, Július Czap, Peter Šugerek, Libuša Révészová, Radovan Dráb, Lukáš Kakalejčík
<i>Duration:</i>	2019 – 2021

**Project description:**

The project focuses on the research of Decision Support Systems as part of Business Intelligence within the network economy between economic entities linked within the structure of the economic network. The aim of the project is to investigate the factors and mechanisms that influence the behavior of subjects when deciding to undertake a certain economic activity and its economic impact. The basic influence factor of relations between network economy is trust in the given environment. Through the modeling of processes and relationships between entities in a given structure, we will analyze the extent of their impact on these systems and its determinant parameters. Research will use methods of data mining, digital metadata analysis, graph theory and statistical-econometric methods.

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<i>Project title:</i>	<b>System Implications of the Fourth Industrial Revolution and Adaptation Processes of the Information Society (Economic, Technological and Cultural Aspects)</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 2/0002/19
<i>Coordinator:</i>	Alena Mojsejová
<i>Associated Faculty:</i>	Tomáš Želinský, Erika Liptáková
<i>Duration:</i>	2019 – 2021

**Project description:**

The present time is characterized by a combination of many fundamental changes in the economy and society. The first is the Fourth Industrial Revolution, the next is the use of artificial intelligence technology and smart technology. The technical revolution shows the need for the necessary changes in society and economy (digitization, sharing, shrinking the economy), otherwise new technologies will not produce the expected effects for the economy and society. The basic direction of the research is a combination of processes of change in the technical aspects of production, the size and quality of consumption, the field of objectives and the functioning of the society. It will also include the identification of the polarization tendencies, income and wage inequalities in relation to changes in consumption and employment including at the regional level of the SR. The aim is to find out what the level of the society's plasticity is, which is a basic prerequisite for defining flexibility and adaptive processes.

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<i>Project title:</i>	<b>Investment decision-making of investors in the context of effective corporate taxation</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0430/19
<i>Coordinator:</i>	Alena Andrejovská
<i>Associated Faculty:</i>	Jozef Glova, Anna Bánociová, Lucia Mihóková, Slavomíra Martinková, Darya Dancáková, Veronika Konečná, Martina Regásková, Michala Inkabová.
<i>Duration:</i>	2019 – 2020

**Project description:**

The project deals with issues to provide a conceptual view of the field of effective corporate taxation and its impact on investment decision making. It defines logical rules based on accrual and tax principles that are crucial to the effective allocation and scale of investments. The aim is to develop a methodology that will allow to define effective taxation as a key attribute determining the required return on investment. The methodology and results of the application in the conditions of the Slovak Republic will enable, on the one hand, to better understand the impact of real taxation in determining the desired profitability and hence the value of the investment and, on the other hand, to eliminate the frequent value deficiency in applying the statutory tax rate instead of the effective tax. An important aspect is the subsequently created tax shield and tax savings for the selected type of investment.

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<i>Project title:</i>	<b>Perspectives of “GPP” (Green Public Procurement) in Public Procurement at Regional and Local Level</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0750/17
<i>Coordinator:</i>	Tomáš Malatínec
<i>Associated Faculty:</i>	Slávka Klasová, Miriam Šebová
<i>Duration:</i>	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 voluntariness and in the case of GPP vision de lege ferenda.

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<i>Project title:</i>	<b>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</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0190/17
<i>Coordinator:</i>	Peter Fandel (SUA Nitra)
<i>Associated Faculty:</i>	Tomáš Malatínec
<i>Duration:</i>	2017 – 2019

**Project description:**

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.

<i>Project title:</i>	<b>The socioeconomic valuation and measurement of economic efficiency of cultural institutions focused on museums and galleries in Slovakia</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA - 1/0806/18
<i>Coordinator:</i>	Miriám Šebová
<i>Associated Faculty:</i>	Iveta Korobaničová, Peter Džupka, Slávka Klasová, Erika Liptáková, Zuzana Réveszová, Tatiana Soroková, Barbora Tóthová
<i>Duration:</i>	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 efficiency of museums and art galleries in Slovakia.

## 6.3 International Educational and other Projects

<i>Project title:</i>	<b>EU Public Procurement</b>
<i>Acronym:</i>	<b>EUPP</b>
<i>Supported by:</i>	European Commission – Erasmus+
<i>Contract Number:</i>	600477-EPP-1-2018-1-SK-EPPJMO-MODULE
<i>Coordinator:</i>	Tomáš Malatínek
<i>Duration:</i>	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.

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

**Project description:**

“RoI of WBL and apprenticeships” project suggests the development of a return on investment (RoI) 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 RoI of WBL and apprenticeships by SMEs
  - A digital online tool that will demonstrate in visual way the RoI 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 RoI model.
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<i>Project title:</i>	<b>Educationfor Local Development of Rural Areas</b>
<i>Acronym:</i>	<b>ELDORA</b>
<i>Supported by:</i>	European Commission – Erasmus+
<i>Contract Number:</i>	2017-1-SK01-KA202-035388
<i>Local Coordinator:</i>	Nataša Urbančíková
<i>Associated Faculty:</i>	Oto Hudec, Jozef Bl'anda
<i>Duration:</i>	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 training series and e-learning videos and Gamification.

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

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

### Project description

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
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<i>Project title:</i>	<b>Establishment of Capacity Building Centers as a Sustainable Solution to Raise the Standards of Teaching Staff in Indian HEI's</b>
<i>Acronym:</i>	<b>CABCIN</b>
<i>Supported by:</i>	European Commission – Erasmus+
<i>Contract Number:</i>	573616-EPP-1-2016-1-PL-EPPKA2-CBHE-JP
<i>Local Coordinator:</i>	Michal Šoltés
<i>Associated Faculty:</i>	Marianna Siničáková, Ján Buleca
<i>Duration:</i>	2016 – 2019

**Project description:**

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

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 tailor-made 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
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<i>Project title:</i>	<b>Recovery the Crisis through Entrepreneurial Attitude</b>
<i>Acronym:</i>	<b>RECREATE</b>
<i>Supported by:</i>	European Commission – Erasmus+
<i>Contract Number:</i>	2017-1-PL01-KA203-038438
<i>Local Coordinator:</i>	Peter Džupka
<i>Associated Faculty:</i>	Radovan Dráb, Iveta Korobaničová, Slávka Klasová, Tomáš Malatínek, Miriam Šebová, Nataša Urbančíková, Oto Hudec, Dana Pařlová, Martin Vejačka, Tomáš Štofa
<i>Duration:</i>	2017 – 2019

**Project description**

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.

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

#### **Project description**

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.

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

#### **Project description**

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.

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<i>Project title:</i>	<b>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</b>
<i>Acronym:</i>	<b>RECORD</b>
<i>Contract Number:</i>	PGI05377
<i>Supported by:</i>	European Commission
<i>Local Coordinator:</i>	Beáta Gavurová
<i>Associated Faculty:</i>	Mojmír Prídavok, Miroslava Packová
<i>Duration:</i>	2018 – 2020

**Project description:**

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.

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## 6.4 National educational projects and Developmental activities

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

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.
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*Project Title:* **Preparation and Delivery of the Mathematics Course**  
*Project manager:* Libuša Révészová  
*Project implementation period:* February 2019 – March 2019

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.

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

- The aim of the project: Implementation and delivery of distance on-line bachelor and master courses at the Faculty of Economics.
  - Project milestones:
  - Retraining of teaching staff interested in the project,
  - Preparation of on-line courses content for bachelor and master study programmes, Finance, Banking and Investment,
  - Implementation and realization of blended learning (a combination of the face-to-face study supplemented with a distance education component) using LMS Moodle.
  - The outcome of the project is improvement of the quality of part-time study at the Faculty.
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## 6.5 Project proposals submitted for funding

During the year 2019 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 project proposals are still under consideration of respective authorities:

<i>Project title:</i>	<b>Innovation of software product for health insurance using machine learning methods</b>
<i>Supported by:</i>	Ministry of Economy of the Slovak Republic
<i>Contract Number:</i>	313012S703
<i>(Local) Coordinator:</i>	Jozef Bucko
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Structural consequences of changes in production activities in the global value chain for the Slovak economy</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA–1/0666/20
<i>Coordinator:</i>	Júlia Ďurčová
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Economic and social aspects of accessibility in rural areas using demand-oriented transport and flexible transport systems</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA–1/0455/20
<i>Coordinator:</i>	Peter Ďupka
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Possibilities of smart governance methods application on local and regional level</b>
<i>Supported by:</i>	Slovak Research and Development Agency (APVV)
<i>Contract Number:</i>	APVV–19–0263
<i>Coordinator:</i>	Peter Ďupka
<i>Duration:</i>	2020 – 2023
<i>Project title:</i>	<b>Intelligent systems for safe digital world</b>
<i>Supported by:</i>	Research Agency (VA)
<i>Contract Number:</i>	OPVal–VA/DP/2018/1.2.1-07
<i>Coordinator:</i>	Peter Ďupka
<i>Duration:</i>	2020 - 2024
<i>Project title:</i>	<b>Facilitating young entrepreneurship and improving capacity of support network in rural areas</b>
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Contract Number:</i>	DTP670
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Improving conditions to support creative service hubs in midsize and small Danube cities</b>
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Contract Number:</i>	DTP553
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2022

<i>Project title:</i>	<b>Distance E-learning course for Welding Engineers to support implementation of the innovative technologies and boost business of SMEs in Danube Region</b>
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Contract Number:</i>	DTP456
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Virtual archaeological landscapes of the Danube region</b>
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Contract Number:</i>	DTP641
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Develop practical solutions to increase the use of RES in Danube region</b>
<i>Supported by:</i>	Interreg Danube Transnational Programme
<i>Contract Number:</i>	DTP403
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Development of strategic investment and development packages concepts for regions of Slovakia with a causal link to the creation of methodology for quantifying their efficiency and effectiveness</b>
<i>Supported by:</i>	Slovak Research and Development Agency (APVV)
<i>Contract Number:</i>	APVV–19–0389
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 - 2023
<i>Project title:</i>	<b>Effective management of innovative spatial clusters</b>
<i>Supported by:</i>	Slovak Research and Development Agency (APVV)
<i>Contract Number:</i>	APVV–19–0261
<i>Coordinator:</i>	Mojmír Pridavok
<i>Duration:</i>	2020 – 2023
<i>Project title:</i>	<b>Assessing the Impact of Intangible Assets on the Performance and Value of Enterprises in V4 Countries</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA–1/0679/20
<i>Coordinator:</i>	Jozef Glova
<i>Duration:</i>	2020 – 2022
<i>Project title:</i>	<b>Monetary Policy Framework for Unconventional Implementation of Monetary Tools Focusing on Quantitative Easing in the Context of Potential Crisis</b>
<i>Supported by:</i>	Scientific Grant Agency (VEGA)
<i>Contract Number:</i>	VEGA–1/0732/20
<i>(Local) Coordinator:</i>	Marianna Siničáková
<i>Duration:</i>	2020 – 2022

## 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: Best Semmestral Project Competition 2019*

### **Best Semmestral Project competition**

In 2019, the Faculty of Economics TUKE has organised a competition for its students (on bachelor and master degree), in which they could present their semestral projects from various courses. The challenge was to come and present the topic creatively and interestingly in 5 minutes to engage the audience that decided who will be the winner. For the top three places and the cash prize competed 10 teams (the students could compete either individually or in the team).

In the full hall, they presented the projects in front of audience composed of students and teachers of the Faculty of Economics TUKE that voted for the winners:

1st place: Tomáš Koščuško, semestral project: Phenomenon of second-hand shops

2nd place: Damián Cap, semestral project: Bitcoin in December 2017

3th place: Natália Slyvkanič, semestral project: Financial literacy of the population in selected countries.

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## 6.7 Research Workshops at the Faculty of Economics

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In 2019 the Faculty of Economics has organised two workshops with the idea to disseminate knowledge and experience with project activities in the field of research and education. Activity has attracted the staff of the faculty that, as a result, contributed to fulfilling its mission generally described as a sharing of best practices, improving skills and enhancing research and project activities at the faculty.

The key idea of the first workshop, organized in June 2019, was to present and summarize crucial parts of the new project proposals submitted by project teams in 2019 for evaluation in domestic and international research and education grant schemes. New ideas shared by project teams aimed not only to promote research topics but also to strengthen collaboration among researchers and interdisciplinarity of project teams.

Second workshop, organised in December 2019, aimed to share and disseminate experience with project activities, to identify crucial project skills and to support and improve knowledge that represents the key to success in preparing high quality project proposals. Being competitive and successful in calls for project proposals in domestic and international project schemes is one of the highest priorities in the long-term mission of the faculty.



*Fig. 5: Research workshop, December 2019*

## 7 Study Programmes

The Faculty of Economics offers study in two accredited study programmes – “Finance, Banking and Investments” and “Economy and Management of Public Administration”.



*Fig. 6: 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 2018/2019 812 full-time Slovak students, 35 international students, 60 part-time bachelor- and master-level students, and 39 internal and 29 external PhD students study at our Faculty of Economics.



*Fig. 7: Comitee of the Final state exams (PhD programme)*

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## 8 Cooperation and Partners of the Faculty

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### 8.1 Cooperation within Slovakia

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Along with successful international cooperation, the Faculty has developed good links with banking and financial institutions in the region as well as with other potential employers of its graduates. Their representatives are members of the 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 2019 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 region; Agency for the Support of Regional 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 appreciate 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. During years 2018 and 2019, strong cooperation with DTSE Europe Slovakia, LYNX, s.r.o., Tatrabanka, a.s. and Kooperatíva, a.s. has developed.

#### **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.

#### **Cooperation with the Office of the Civil Service Council**

The Faculty signed the Agreement about cooperation with the Office of the Civil Service Council. The Members of Civil Service Council hold the lecture for students of the study program Economics and Management of Public Administration. The experts of Faculty were actively involved in survey with civil servants and they advised the Report on the current situation and development of civil service in the year 2018, which was agreed in Slovak Parliament in 2019.

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## 8.2 International Cooperation

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

The Faculty is involved in the Erasmus+ 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
- 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, Istanbul, Turkey
- Petru Maior University of Targu Mures, Romania
- University of Oradea, Romania
- University of Maribor, Slovenia
- Karl-Franzens University, Graz, Austria
- Budapest Business School, Hungary
- Budapest University of Technology and Economics, Hungary
- University of Miskolc, Hungary
- Vilnius Gediminas Technical University, Lithuania
- Technical University of Riga, Latvia

- University of Tartu, Estonia
- Tsenov Academy of Economics, Bulgaria
- Higher Education Institution of Province of Liège, Belgium
- Amity University Haryana, Gurgaon, India
- Belgrade Banking Academy, Belgrade, 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
- University of Seville, Seville, Spain
- Università degli studi di Genova, Genoa, Italy
- MCI Management Center Innsbruck, Innsbruck, Austria
- Haaga-Helia University of Applied Sciences, Helsinki, Finland
- 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 Frankfurt am Main, University of Applied Sciences, Germany
- Danish Technological Institute, Copenhagen, Denmark
- In-Jet, Denmark
- C-Net, Sweden
- North University of Baia Mare, Romania
- 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 since 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 2018/2019 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 double-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, Ukraine, 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 45 our students have already participated in exchange program during both winter and summer semester.

Within double-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 2018/2019.

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™ (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.



In exchange for our participation in this program, our institution has been listed on the [University Affiliation Program](#) 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.

### ACCA Accelerate Program



Since 2019, the Faculty of Economics of the Technical University of Košice started cooperation with the ACCA (Association of Chartered Certified Accountants) within the ACCA "Accelerate Programme".

The Accelerate program gives our students the opportunity to register and start preparing their professional level exams with ACCA prior to graduation. Under the ACCA Accelerate program, the students can combine their university studies with the ACCA qualification which will allow them a head-start to an aspiring career in accounting and finance.

ACCA is a leader and official professional certification authority guaranteeing qualifications in accounting, an international audit, public sector accounting standards and many other related

areas. The association has more than 219,000 members and 527,000 students in more than 180 countries. The accreditation ceremony was the completion of the accreditation process. ACCA certification includes passing 14 exams, passing an ethics module, and 3 years of practice. Accreditation of the Bachelor and Engineering degree of the Faculty of Economics in the Finance, Banking and Investing degree programs will enable students of the faculty to obtain exemption and credit for the first three Foundation Levels of ACCA certification (Accountant in Business, Management Accounting and Financial Accounting). Every year, ACCA organizes seminars, conferences, discussion meetings, business breakfasts and many other events for its members, where they can meet not only business figures but also their colleagues.

ACCA Accelerate Programme Certification ceremony took place on October 17, 2019 in the TUKE Congress Centre and was attended by Mr. David Kopecký (ACCA, Business Development Manager) and Ms. Petra Adams, LL.M. (ACCA, Business Relationship Manager) from the Prague office of ACCA for the Czech Republic, Slovakia, Hungary, Croatia and Serbia. Practical examples were presented by Mr. Peter Benej from the Deutsche Telekom Services Europe Slovakia Ltd., Faculty of Economics was represented by its dean, Assoc. Prof. Michal Soltes, PhD.



*Fig. 8: ACCA Accelerate Programme Certification ceremony*

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## 8.3 Visitors to the Faculty

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Within the framework of bilateral cooperation, the following representatives of partner institutions visited the Faculty of Economics in 2019:

- 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
- Yveta 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, Wrocław University of Economics, Poland
- Andrzej Krynski, Polonia University, Czestochowa, Poland
- Jowita Ziolk-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
- Sára Csillag, Budapest Business School, Hungary
- Antal Szabó, Erenet, Hungary
- Handan Deniz Boyukaslan, Afyonkarahisar, Turkey
- Senem Koc, Afyonkarahisar, Turkey
- Adem Boyukaslan, Afyonkarahisar, Turkey
- Martin Užík, University of Applied Sciences in Berlin, Germany
- Indrė Lapinskaitė, Vilnius Gediminas Technical University, Lithuania
- Ermanno Affuso, University of South Alabama, Mobile, United States
- Anna Jasinska Biliczak, University of Opole, Poland
- Werner Bernátik, Silesian university of Opava - Trade business faculty in Karvina, Karvina, Czech Republic



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## 8.4 Visits of the Faculty Staff to Foreign Institutions

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Alena Andrejovská:

- Ternopil National Economic University (NEU), Ukraine

Ľudmila Bartóková:

- Link Campus University, Roma, Italy
- Budapest Business School, Budapest, Hungary

Ján Buleca:

- Frederick University, Nicosia, Cyprus
- Ghent University, Belgium
- Universidade Nova de Lisbon, Lisbon, Portugal
- Khabarovsk State University of Economics and Law, Khabarovsk, Russia
- Chukyo University, Nagoya, Japan
- Haaga Helia University of Applied Sciences, Helsinki, Finland
- University Côte D'Azur, France
- University of Sevilla, Spain

Jozef Bucko

- Ternopil National Economic University (NEU), Ukraine

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 Hașdeu State University, Moldova
- Alecu Russo State University of Bălți, Moldova

Júlia Ďurčová:

- Budapest Business School, Hungary

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:

- University of Zielona Góra, Poland
- Berlin School of Economics and Law, Germany
- University Côte d'Azur, Nice, France
- Ternopil National Economic University, Ternopil, Ukraine
- University of Zielona Góra, Faculty of Economics and Management, Poland
- Amsterdam University of Applied Sciences, Amsterdam, Holland
- University of Rzeszów, Rzeszow, Poland

Marek Gróf:

- Budapest Business School, Budapest, Hungary

Oto Hudec:

- Ludwig Maximilian University of Munich, Germany
- EC DG Directorate-General for Education, Youth, Sport and Culture, Brussels, Belgium
- University of Lyon, France
- Côte d'Azur University, France
- Amsterdam University of Applied Sciences, Netherlands
- Academy of Economic Studies of Moldova, Chisinau, Moldova
- The Pegaso University, Naples, Italy
- Kathmandu University, Nepal
- Masaryk University Brno, Czech Republic
- University of Pardubice, Czech Republic
- University of Sopron, Hungary
- 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
- Radboud University, Netherlands
- Cork University, Cork, Ireland
- Caucasus School of Humanities and Social Sciences, Georgia

Kristína Kočíšová:

- Vysoká škola báňská - TU Ostrava, Czech Republic
- Mitchell College of Business – University of South Alabama, Mobile, USA
- Faculty of Economics and Administration – University of Pardubice, Pardubice, Czech Republic

Gabriela Kol'vecková:

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

Lenka Maličká:

- Belgrade Banking Academy Belgrade Banking Academy, Belgrade, Serbia

Rajmund Mirdala:

- Silesian university in Opava, School of Business Administration in Karvina, Czech Republic
- Università degli Studi di Napoli Parthenope, Italy
- Mitchell College of Business – University of South Alabama, Mobile, USA
- Berlin School of Economics and Law, Germany

Alena Mojsejová

- University of Economics, Prague, Czech Republic

Daniela Palaščáková:

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

Dana Pařová:

- Agricultural State University of Moldova, Moldova
- Moldova State University, Moldova
- Academy of Economic Studies of Moldova, Moldova
- Alecu Russo State University of Bălți, Moldova

Manuela Raisová

- Link Campus University, Roma, Italy
- Budapest Business School, Budapest, Hungary

Marianna Siničáková:

- Ghent University, Belgium
- University of Versailles Saint-Quentin-en-Yvelines, France
- Chukyo University in Nagoya, Japan
- Khabarovsk State University of Economics and Law, Russia
- Ternopil National Economic University, Ukraine
- Budapest Business School, Hungary
- University Côte D'Azur, France
- University of Sevilla, Spain

Jakub Sopko

- SACS MAVMM Engineering College, Madurai, Tamil Nadu, India
- Chiang Mai University, Faculty of Engineering, Thailand

Leoš Šafár

- SACS MAVMM Engineering College, Madurai, Tamil Nadu, India
- Chiang Mai University, Faculty of Engineering, Thailand

Miriam Šebová (2019):

- Mitchell College of Business – University of South Alabama, Mobile, USA
- Hochschule fuer Wirtschaft und Recht, Berlin, Germany
- Charles University, Prag, Czech Republic
- Kultura Nova, Zagreb, Croatia
- Burgundy School of Business, Dijon, France
- IMT Lucca, Italy
- University of Hamburg, Hamburg, Germany
  
- Haaga Helia University, Vierumäki Campus, Finland

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

Ľubica Štiblárová:

- Belgrade Banking Academy Belgrade Banking Academy, Belgrade, Serbia
- Khabarovsk State University of Economics and Law, Khabarovsk, Russia
- Mendel university in Brno, Brno, Czech Republic

Monika Timková

- Sidi Mohamed Ben Abdellah University, Fez, Morocco
- Belgrade Banking Academy, Belgrade, Serbia

Radoslav Tušan:

- Ukrainian Forestry National University, Khust, Ukraine
- Budapest Business School, Hungary

Nataša Urbančíková:

- Caucasus 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

- Agricultural State University of Moldova, Moldova
- Moldova State University, Moldova
- Academy of Economic Studies of Moldova, Moldova
- Alecu Russo State University of Bălți, Moldova

Tomáš Želinský:

- Monash University, Melbourne, Australia
- Monash University Malaysia, Kuala Lumpur, Malaysia
- Durham University, Durham, The United Kingdom
- Charles University, Prague, Czech Republic
- University of Economics, Prague, Czech Republic
- Institute of Sociology of the Academy of Sciences of the Czech Republic

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

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Alena Andrejovská:

- Member of the Slovak Chamber of Certified Accountants
- Member of Slovak Economic Association
- Member of Slovak Academy of Agricultural Sciences

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 Dpt. of Economy and Management of the Slovak Academy of Agricultural Sciences
- Member of Slovak Economic Association
- Member of Polish Economic Association
- Member of Association of Slovak Scientific and Technological Societies
- Member of Editorial Board “Slovak Journal of Food Sciences”
- Member of Editorial Board “Acta Oeconomica Universitatis Selye”
- Member of Editorial Board “Scientific Bulletin of Uzhhorod University, Series «Economics»”

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”
- 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
- 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 committee for PhD study at the Šafárik University in Košice, Faculty of Public Administration,
- Member of the Scientific Board, University of Economics, Faculty of National Economy, Bratislava,
- Member of the Scientific Board, University of Pardubice, Faculty of Economics 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
- Member of American Economic Association

Alena Mojsejová:

- Member of the Slovak Statistical and Demographical Society, Slovakia
- Member of Slovak Economic Association, 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 the Editorial Board of the scientific journal – Balkan JETSS, Srbsko (ISSN 2620-164X)
- 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

Leoš Šafár

- Team Adviser for the CFA Institute Research Challenge, CFA Society Slovak Republic

Miriám Šebová

- Member of the Slovak speaking section of ERSA
- Member of ERSA (European Regional Science Association)
- 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
- Member of the Editorial Board, E&M Economics and Management Journal, Czechia
- Slovak-French University Institute (IUF/SFUI), 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:

- Member of Editorial Board of PLoS ONE (USA)
- Member of Editorial Board of Ekonomický časopis / Journal of Economics (Slovakia)
- Member of Editorial Board of Forum Statisticum Slovacum journal (Slovakia)
- Member of the Committee of The Slovak Statistical and Demographic Society, Slovakia
- Member of The Global Development Network, India
- 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





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## 9 Habilitations and Inaugurations

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The Faculty has habilitation and inauguration rights in the study programmes Finance, banking and investments and Public administration and regional development. After two successful habilitations in 2018 there were no habilitations and inaugurations during the year 2019, however, some habilitations and inaugurations are planned in the year 2020.

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## 10 PhD Study

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

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In 2019 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. Anton Čorňák: The Impact of Automation and Digitisation of Managerial Processes on the Decision Making Support (Data Science Application). Supervisor: Assoc. Prof. Radoslav Delina;
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. Katarína Ilčíková: Application of ABM by the Assets Pricing. Supervisor: Prof. Vladimír Gazda;
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. Veronika Konečná: Effective Corporate Taxation in the EU Countries. Supervisor: Assoc. Prof. Alena Andrejovská;
9. Oleg Kováč: Efficiency of Quantitative Easing in the Economic Policy. Supervisor: Assoc. Prof. Jozef Glova;
10. Marek Macik: Business Models for Emerging Data Services. Supervisor: Assoc. Prof. Jozef Glova;
11. Lucia Nováková: Impact of New Technology Trends - Industry 4.0, Robotization. Artificial Intelligence etc.) on the Future of Employment. Supervisor: Prof. Tomáš Sabol;
12. Tomáš Mušínský: Efficiency of Quantitative Easing in the Economic Policy. Supervisor: Assoc. Prof. Marianna Siničáková;
13. Adriana Novotná: Bank Competition and Stability. Supervisor: Assoc. Prof. Kristína Kočišová;
14. Renáta Olejárová: Transparency of Business and Accounting Data and the Significance in Smart Supply Chains Evolution. Supervisor: Assoc. Prof. Radoslav Delina;
15. Róbert Oravský: The problem of Value Added Tax in the Slovak Republic. Supervisor: Assoc. Prof. Anna Bánociová;
16. Dominika Oravcová: The Impact of Off-Shoring on Employment. Supervisor: Assoc. Prof. Júlia Ďurčová
17. Marek Pekarčík: Global Value Chains in the Context of Industry 4.0. Supervisor; Assoc. Prof. Júlia Ďurčová
18. Eva Petrová: Financial and Economic Analysis of Business Environment in SR within the Creditworthiness of Businesses Assessment. Supervisor: Assoc. Prof. Michal Šoltés;
19. 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;
20. Zuzana Réveszová: Culture and Socio-economic Development. Supervisor: Assoc. Prof. Miriam Šebová
21. Žofia Sinčáková: Digital Governance of the Cities. Supervisor: Prof. Oto Hudec;

22. Erik Suchý: Union of Capital Markets. Supervisor: Assoc. Prof. Michal Šoltés;
23. Katarína Synčáková: Development of Active Quantitative Mutual Fund's Portfolio Strategy. Supervisor: Assoc. Prof. Michal Šoltés;
24. Nikola Šubová: Wealth and Financial Stability of Households. Supervisor: Assoc. Prof. Dr. Ján Buleca;
25. Miriama Tarhaničová: Economic Quantification of the Social Costs of Using Alcohol, Tobacco and Illegal Drugs Supervisor: Assoc. Prof. Beata Gavurová;
26. Barbora Tóthová: Cultural and Creative Spillovers. Supervisor: Assoc. Prof. Miriam Šebová;
27. Lenka Vyrostková: Inflation Persistence, Price Stability and Performance of the Euro Area. Assoc. Prof. Rajmujnd Mirdala;
28. Mhmed Omar Mohamad Abdulhafiz: Strategies of Liquid Assets Investment by Non-Profit Organizations. Supervisor: Assoc. Prof. Grzegorz Michalski;
29. Osama Husain Adali: Mortgage Financing Market in the Comparative Analysis of Slovakia and the United Kingdom. Supervisor: Assoc. Prof. Václav Dufala;
30. Ahmed Emhemed Hithim Boha: Financial Risk Indicators and Overall Financial Risk Management. Supervisor: Assoc. Prof. Jozef Glova.

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## 10.2 External PhD Students at the Faculty of Economics

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In 2019 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;
2. 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;
5. Tomáš Bindzár: The Perception of the Euro and the ECB in EU Countries. Supervisor: Assoc. Prof. Kristína Kočišová;
6. Guenter Blendinger: Best-in-class"Corporate Governance Model in Light of Financial Management Decisions and Financial Firm Performance. Supervisor: Assoc. Prof. Grzegorz Michalski;
7. Marek Blizco: Brain Drain and Drain Return: Global Processes and Local Strategies. Supervisor: Prof. Oto Hudec;
8. Sebastian Olbert Block: The Property Rights Theory in the Professional Sport and the Influence on the Economic Success. Supervisor: Prof. Thorsten Dennin;
9. Peter Brey: Complex Economic and Process evaluation of eHealth and Design of Measuring its Effectiveness. Supervisor: Assoc. Prof. Beáta Gavurová;
10. Zuzana Čarnogurská: Is the Eurozone an Optimum Currency Area from the Labour Market Point of View? Supervisor: Assoc. Prof. Marianna Siničáková;
11. 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;
12. Gabriel Gencsi: Agent Based Model of the Frequency Spectrum Trading. Supervisor: Prof. Vladimír Gazda;
13. Michal Gimerský: Requirements for Investment Consulting in the Digital Age. Supervisor: Prof. Dr. Martin Užík;

14. Michala Inkábová: Analyses of the Agricultural Company from the Tax Point of View. Supervisor: Assoc. Prof. Alena Andrejovská;
15. 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;
16. Viktória Lukáčová: Economic Quantification of Marketing Processes in Healthcare Facilities Focused on Increasing VFlue for Patients. Supervisor: Prof. Vincent Šoltés;
17. Peter Niroda: Effectiveness of Public Procurement Processes in Slovakia. Supervisor: Assoc. Prof. Beáta Gavurová;
18. Sead Osmanović: Strategic Planning of Public Services on a Local Level. Supervisor: Prof. Srdjan Redzepagić;
19. Martina Patáková: Creation of Value Added in the Context of the Global Value Chains. Supervisor: Assoc. Prof. Júlia Ďurčová;
20. Martina Regásková: Advanced Financial Accounting and Hedge Accounting of the Financial Instruments. Supervisor: Assoc. Prof. Anna Bánociová;
21. Christopher Runge: Controlling an Value of Reputation Management. Supervisor: Prof. Thorsten Dennin,
22. Stefan Stojanović: Financial Risk management in Western Balkan Countries and their Integration in the EU. Supervisor: Prof. Srdjan Redzepagić;
23. Coi Tran: Potential of the Current Technolgy Trends: Data Analytics, IoT, Industry 4,0 et.) on Economy Growth. Supervisor: Prof. Tomáš Sabol;
24. Jana Ťuchová: Data Based Diagnostics of Unfair Practice Patterns in Private and Public Procurement. Supervisor. Assoc. Prof. Radoslav Delina;
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

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## 10.3 PhD Degrees Awarded in 2019

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The following internal PhD students of the Faculty of Economics defended their PhD theses and were awarded PhD degree in 2019:

1. Eva Huculová: Metodologické problémy využívania Health technology assessment a návrh možností ich riešení.
2. Lenka Senderáková: Socio-economic impact of transparency through digital single market development.
3. Jakub Sopko: Efficiency Measurement in the Healthcare Sector.
4. Leoš Šafár: Quantitative easing as an alternative monetary policy instrument.
5. Jana Zausinová: Complexity Economics and Applications in Cognitive Radio.

The following external PhD students of the Faculty of Economics defended their PhD theses and were awarded PhD degree in 2019:

1. Marek Horváth: The Impact Assessment of the Programs of the Regional and Local Development.
2. Tim Langenstein: The impact of the company IT-Structure to optimizing the probability of success for the start-up.

## 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 2019 it was a pleasure for us to welcome following renowned speakers at the KEF:

- February 2019 - Štefan Rychtárik (National Bank of Slovakia) - Financial Stability in the Slovak Republic
- June 2019 - Svatopluk Kapounek (Faculty of Business and Economics, Mendel University in Brno) - Cryptocurrency Market Efficiency: Evidence from Time-Frequency Analysis
- October 2019 - Mikuláš Dzurinda (former prime minister of the Slovak government) - Federal Union: Vision for dealing with differences within the European Union?
- November 2019 - panel discussion on the topic “Recent Challenges for the Labor Market in the Slovak Republic”. Panel discussants: Peter Dosedla (member of the National Union of Employers (Republiková únia zamestnávateľov) governing board), Thomas Jan Hejcman (member of the Federation of Employers' Associations of the Slovak Republic (Asociácia zamestnávateľských zväzov a združení) governing board), Stanislav Kmeť (rector of Technical University of Košice), Marián Magdoško (president of Confederation of Trade Unions of the Slovak Republic (Konfederácia odborových zväzov)), Emil Machyna (president of Trade Union KOVO (Odborový zväz KOVO)) and Branislav Ondruš (state secretary of Ministry of Labour, Social Affairs and Family of the Slovak Republic (štátny tajomník Ministerstva práce, sociálnych vecí a rodiny)).



*Fig. 9.* "November 2019: Stanislav Kmeť, Thomas Jan Hejcman, Marián Magdoško, Peter Dosedla, Emil Machyna and Branislav Ondruš, topic of the panel discussion: “Recent Challenges for the Labor Market in the Slovak Republic”

## Eurofondue

Eurofondue is an annual competition for high school students, arranged since 2013. It has been running under the auspices of member of European Parliament and with the cooperation of European Parliament Liaison Office in Slovakia since its beginning. Within the competition the students are encouraged to design development project in their locality or community. In 2019 almost 40 participants had opportunity to train their project skills and presentation skills during the educational workshops with the experts in February 2019. The final was held in March 2019 and the winning team was awarded by the trip to European Parliament.



*Fig. 10: Final of the competition. Finalist, judges and organisers. Eurofondue 2019*

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## 12 Faculty Staff Members

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### **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: [Alena.Andrejovska@tuke.sk](mailto:Alena.Andrejovska@tuke.sk)

### **Radoslav Bajus, PhD, Assistant Professor**

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

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

### **Anna Bánociová, PhD, Associate Professor**

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

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

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

### **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, World Economy.

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

### **Peter Bednár, PhD, Researcher**

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

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

### **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](mailto:Martina.Bobrikova@tuke.sk)

**Jozef Bucko, PhD, Associate Professor**

The areas of his research interest include informatics, IS/IT technologies, e-banking, graph theory 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](mailto:Jozef.Bucko@tuke.sk)

**Ján Buleca, PhD, Associate Professor**

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

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

**Peter Burger, PhD, Associate Professor**

His areas of research interest include innovation, clusters, innovation policy, cluster policy, innovation performance of regions, regional policy, SME analysis and sectoral divisions of industries. 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 Policy, Public Economics, Urban and Regional Planning and Management.

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

**Július Czap, PhD, Assistant Professor**

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

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

**Radoslav Delina, PhD, Associate Professor**

Radoslav Delina 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 socio-economic domains, e-business (esp. e-procurement, eCollaboration, eSourcing, enterprise networking, e-services and trust building, ICT/Digital regions), data mining techniques in financial decision making, risk management, innovative learning methods etc. He 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 Education) all in the field of electronic business management and Information Society. He is national expert and correspondent for eBusiness w@tch - the Initiative of European Commission and other initiatives as eWork, Construst, e-Skills For The 21st Century... He was/is a member of several international conference programme committees (IDIMT, IRMA, IBIMA, EC-Web, Collector IberoAmerica, BledConference, Planetary Scientific Research Centre..) and reviewer in several international scientific journals, publication and initiatives. He is the member of editorial board of International Journal of Humanities and Applied Sciences. He is a project evaluator for national (esp. VEGA, KEGA, APVV science and education funding agencies) and Czech (esp. eHealth) and Kazakhstan (socio-economic aspects of ICT) funding programmes. He is the member of E-Business & E-commerce Steering Committee within ALADIN - ALpe ADria INitiative Universities' Network.

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



**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, datamining 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

E-mail: [Radovan.Drab@tuke.sk](mailto:Radovan.Drab@tuke.sk)

**Peter Džupka, PhD, Associate Professor**

His areas of research interest include public funds effectiveness measuring, financial analysis of private and public investment projects, foreign direct investments, regional development, effectiveness of structural funds 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.

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

**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.

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

**Veronika Ďuricová, PhD, Assistant Professor**

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

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

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

She graduated at the University of Economics in Bratislava. Currently she works as assoc. professor at the Faculty of Economics, Technical University of Kosice. In her research work she has focused primarily on 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.

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

**Vladimír Gazda, PhD, Professor**

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

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

**Jozef Glova, PhD, Associate Professor**

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

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

**Marek Gróf, PhD, Assistant Professor**

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

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

**Ján Hreňo, PhD, Researcher**

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

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

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

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

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

**Oto Hudec, PhD, Professor**

He has broad experience of research in the fields 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: [Oto.Hudec@tuke.sk](mailto:Oto.Hudec@tuke.sk)

**František Janke, PhD, Assistant Professor**

In his recent research activities, he has focused on procurement (e-procurement, public procurement of innovations, pre-commercial procurement), electronic business platforms and socio-economic aspects of trust. He participated in several international projects and studies (FP7 - eBEST; CEE - KASSETTS, CENTRALAB, I-CARE-SMART, CITYCIRCLE; DTP – InnoHPC, ATTRACTIVE DANUBE, CrowdStream, InnoSchool, KnowING IPR and MeAc Study for EC) and several national research and educational project (VEGA projects, TECHNICOM, etc.).

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

**Slávka Klasová, PhD, Assistant Professor**

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

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

**Michal Kočíš, Researcher**

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

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

**Kristína Kočíšová, PhD, Associate Professor**

In 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.

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

**Gabriela Kol'veková, 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.

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

**Iveta Korobaničová, PhD, Assistant Professor**

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

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

**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, and Regional Labour Market and Social Policy.

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

**Peter Kostelník, PhD, Researcher**

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

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

**Matúš Kubák, PhD, Assistant Professor**

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

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

**Erika Liptáková, PhD, Assistant Professor**

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

**Tomáš Malatínek, 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  
E-mail: [Tomas.Malatinec@tuke.sk](mailto:Tomas.Malatinec@tuke.sk)

**Lenka Maličká, PhD, Associate Professor**

Her research interest is public finance especially fiscal decentralization. She participates in several projects. Courses taught: Public Finance, Public Choice, Local Self-Government Finance, Third Sector Finance.  
E-mail: [Lenka.Malicka@tuke.sk](mailto:Lenka.Malicka@tuke.sk)

**Lucia Mihóková, PhD, Assistant Professor**

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

**Rajmund Mirdala, PhD, Associate Professor**

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

**Alena Mojsejová, PhD, Assistant Professor**

She is an assistant Professor at the Department of Applied Mathematics and Business Informatics. She finished her 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, Demography and Social Statistics. She participates in several national and international research projects.

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

**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).

E-mail: [Silvia.Mrazkova@tuke.sk](mailto:Silvia.Mrazkova@tuke.sk)

**Miroslava Nyulásziová, 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.

E-mail: [Miroslava.Nyulasziova@tuke.sk](mailto:Miroslava.Nyulasziova@tuke.sk)

**Peter Nemeč, Assistant Professor**

He has finished the study programme Law at Faculty of Law (University of Pavol Jozef Šafárik in Košice) in 2008. He has also finished the study programme Economics and Management of public administration (Technical University of Košice) in 2016. His research activities are mainly focusing on public administration, public procurement and contract theory. Courses taught: Basics of Law, Administrative Law and Management and Governance of European Union.

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

**Oľga Nosáľová, PhD, Assistant Professor**

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

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

**Daniela 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.

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

**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, data analysis. She is also interested in: invariant image recognition, invariant feature extraction and signal processing using transforms.

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

**Ludmila Pavliková, PhD, Assistant Professor**

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

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

**Jozef Porvazník, PhD, Assistant professor**

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

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

**Mojmír Pridavok, Researcher, PhD**

His primary interests are supply chains, procurement of innovations, pre-commercial procurement, analytical and decision support tools, data mining and business process optimization. He has applied his skills in several international projects - eBEST – FP7; LeNS – EuropeAid, funded by European Commission; CEE – CentraLab, I-CARE-SMART, CITYCIRCLE; DTP – InnoHPC, ATTRACTIVE DANUBE, CrowdStream, InnoSchool, KnowING IPR; Web2rism proj. founded by The Commission for Technology and Innovation CTI in Switzerland. He took part also in several national research projects VEGA and APVV. He participated in international studies as interviewer or national correspondent (EU eAccessibility Study, eSkills Study).

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

**Manuela Raisová, PhD, Assistant Professor**

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

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

**Libuša Révészová, PhD, Assistant Professor**

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

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

**Tomáš Sabol, PhD, Professor**

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

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

**Štefan Samson, PhD, Professor Emeritus**

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

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

**Marianna Siničáková, PhD, Associate Professor**

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

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

**Marek Skokan, PhD, Researcher**

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

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

**Jakub Sopko, PhD, Assistant Professor**

In research work he focuses on issues of commercial and central banking. His research is also oriented on measuring the efficiency in the health and banking sector with using suitable models. He participates in several national and international research projects. He teaches the subjects: Banking, Central banking, Management of banking operations.

E-mail: [Jakub.Sopko@tuke.sk](mailto:Jakub.Sopko@tuke.sk)

**Tatiana Soroková, PhD, Assistant Professor**

Her research interests are in the areas of psychology of interpersonal relationships, psychology of social communication, stress, burn-out, frustration, deprivation and 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.

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

**Adela Szalayová, Researcher**

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

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

**Leoš Šafár, PhD, Assistant Professor**

His field of research includes quantitative easing, financial markets and Industry 4.0. He defended his PhD. thesis about effects of QE on equities in 2019. He participates in several national and international research projects. Courses taught: Portfolio analysis, Investment Project Evaluation, Financial Investing.

E-mail: [Leos.Safar@tuke.sk](mailto:Leos.Safar@tuke.sk)

**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 economy, culture led development of cities and urban sustainability. 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.

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

**Michal Šoltés, PhD, Associate Professor**

His research is focused on financial investments, innovation management and financial derivatives. He is also interested in foreign direct investments and risk management. 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.

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

**Vincent Šoltés, PhD, Professor**

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

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

**Lubica 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: Applied Econometrics, Econometrics, Environmental Finance and International Finance.

E-mail: [Lubica.Stiblarova@tuke.sk](mailto:Lubica.Stiblarova@tuke.sk)

**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](mailto: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: Mathematics I, Mathematics II.

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

**Veronika Šulíková, PhD, Assistant Professor**

Her research interests are in the field of open macroeconomics, international economics and international finance. She is also interested in panel data econometrics and time series econometrics. Courses taught: Monetary Macro-analysis, International Finance, Economic Policy, Macroeconomic Analysis (in French), External and Internal Imbalances (in French).

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

**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: [Monika.Timkova@tuke.sk](mailto:Monika.Timkova@tuke.sk)



**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.

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

**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.

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

**Radoslav Tušan, PhD, Assistant Professor**

His research is focused on two directions: Economy and Finance of Environment and Accounting and Auditing International Standards. 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.

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

**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, Local Self-Government Finance.

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

**Martin Vejačka, PhD, Assistant Professor**

The areas of his research interest include electronic banking and finance, e-banking security and web marketing. Another focus of his research is e-learning, 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.

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

**Jana Zausinová, PhD, Assistant Professor**

Her areas of research interest include complexity economics, agent-based modelling, game theory, econometrics and economic aspects of complex systems. Topic of her dissertation thesis was Complexity Economics and Applications in Cognitive Radio. She is participant in APVV project. List of courses taught: International Finance, Economic Policy, Microeconomics, Game Theory, Econometrics.

E-mail: [Jana.Zausinova@tuke.sk](mailto:Jana.Zausinova@tuke.sk)

**Martin Zoričák, PhD, Assistant Professor**

The areas of his research interest are complex systems, agent-based modeling, taxation, machine learning in economics. Topic of his dissertation thesis was Agent based model of tax competition. He is participant in APVV project. Courses taught: Accounting of financial institutions, Taxes and Tax Systems, Accounting I, Accounting II, Accounting in Information Systems.

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

**Tomáš Želinský, PhD, Associate Professor**

Tomáš Želinský is 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 Prague & Charles University in 2008/2009), and Jan Hus Educational Foundation Scholarship for young researchers (in 2012/2013).

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



Fig. 11: Matriculation Ball 2019

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## 13 Publications Published In 2019

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### 13.1 Books and Chapters in Books

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AAA001 [203013] **Fiscal and monetary policy in the Eurozone: Theoretical concepts and empirical evidence** / Rosaria Rita Canale, Rajmund Mirdala - 1. vyd. - Bingley : Emerald Group Publishing - 2019. - 251 s. [print]. - ISBN 978-1-78754-126-9.

[CANALE, Rosaria Rita - MIRDALA, Rajmund]

AAA002 [212976] **Efektívna komunikácia v riaditeľni** / Tatiana Soroková - 1. vyd. - Praha : Wolters Kluwer - 2019. - 232 s. [print, online]. - ISBN 978-80-7598-537-8.

[SOROKOVÁ, Tatiana]

BAB001 [206267] **Cohesion Policy of the European Union** / Tomáš Malatinec, Michaela Furdová, Julianna Orbán Máté - 1. vyd. - S.l. : Európska únia - 2019. - 288 s. [print]. - ISBN 9788099926043.

[MALATINEC, Tomáš - FURDOVÁ, Michaela - ORBÁN MÁTÉ, Julianna]

BAB002 [206609] **Kultúra v štyroch dejstvách** / Adam Gajdoš ... [et al.] - 1. vyd. - Bratislava : Národné osvetové centrum Bratislava - 2019. - 129 s. [print]. - ISBN 9788071213581.

[GAJDOŠ, Adam - MATHIAS, Marek - MRVA, Marianna - RÉVÉSZOVÁ, Zuzana - ŠEDOVIČ, Michaela - VANOCH, Matej]

BCI001 [203512] **Sociálne podnikanie ako nástroj miestneho ekonomického rozvoja** / Jozef Bľanda, Nataša Urbančíková - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 115 s. [CD-ROM]. - ISBN 978-80-553-3263-5.

[BĽANDA, Jozef - URBANČÍKOVÁ, Nataša]

BCI002 [203513] **Social Enterprise as a Tool for Local Economic Development** / Jozef Bľanda, Nataša Urbančíková - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 116 s. [CD-ROM]. - ISBN 978-80-553-3274-1.

[BĽANDA, Jozef - URBANČÍKOVÁ, Nataša]

BCI003 [208921] **Základy podvojného účtovníctva I. Zbierka príkladov** / Alena Andrejovská, Radoslav Tušan, Veronika Konečná - 1. vyd. - Košice : Elfa - 2019. - 179 s. [print]. - ISBN 978-80-8086-277-0.

[ANDREJOVSKÁ, Alena - TUŠAN, Radoslav - KONEČNÁ, Veronika]

FAI001 [205896] **Odkiaľ a kam? Modely umeleckého vzdelávania** Umelecké vzdelávanie v kontexte súčasnosti/ Juliana Berberich Sokolová, Zuzana Révészová, Peter Tajkov - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 170 s. [print]. - ISBN 978-80-972017-9-1.

[BERBERICH SOKOLOVÁ, Juliana - RÉVÉSZOVÁ, Zuzana - TAJKOV, Peter]

FAI002 [207247] **Neviditeľné múzeum** / Judit Angel ... [et al.] - 1. vyd. - Bratislava : Diňa avri: tranzit.sk - 2019. - 137 s. [print]. - ISBN 978-80-972325-7-3.

[ANGEL, Judit - HUDEC, Oto - MAZALANOVÁ, Eliška - RÉVÉSZOVÁ, Zuzana - RIGOVÁ, Emília]

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### 13.2 Journal publications, Current Content

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ADC001 [197407] **Empirical Problems of Savings Calculation in Electronic Reverse Auction** / Radoslav Delina, Marek Gróf - 2019. In: Journal of Theoretical and Applied Electronic Commerce Research. Roč. 14, č. 2 (2019), s. 138-152 [online]. - ISSN 0718-1876 (online)

[DELINA, Radoslav - GRÓF, Marek]

ADC002 [197413] **Differences in Buyer Journey between High- and Low-Value Customers of E-Commerce Business** / Lukáš Kakalejčík, Jozef Bucko, Martin Vejačka - 2019.In: Journal of Theoretical and Applied Electronic Commerce Research. Roč. 14, č. 2 (2019), s. 47-58 [online]. - ISSN 0718-1876 (online) Spôsob prístupu:

[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=D6AmzP4VExyih6zKrmE&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D6AmzP4VExyih6zKrmE&page=1&doc=1).

[KAKALEJČÍK, Lukáš - BUCKO, Jozef - VEJAČKA, Martin]

ADC003 [201919] **Regional Tourism Clustering Based on the Three Ps of the Sustainability Services Marketing Matrix: An Example of Central and Eastern European Countries** / Gabriela Kol'vecková ... [et al.] - 2019.In: Sustainability. - Basel (Švajčiarsko) : MDPI Roč. 11, č. 2 (2019), s. 1-18 [online]. - ISSN 2071-1050 (online) Spôsob prístupu: <https://www.mdpi.com/2071-1050/11/2/400>.

[KOL'VEKOVÁ, Gabriela - LIPTÁKOVÁ, Erika - ŠTRBA, Ľubomír - KRŠÁK, Branislav - SIDOR, Csaba - CEHLÁR, Michal - KHOURI, Samer - BEHŮN, Marcel]

ADC004 [205136] **Sustainability, resilience and population ageing along schengen's eastern border** / Kristína Zgodavová, Nataša Urbančíková - 2019.In: Sustainability. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 10 (2019), s. 1-18 [online]. - ISSN 2071-1050 (online) Spôsob prístupu: <https://www.mdpi.com/2071-1050/11/10/2898>.

[ZGODAVOVÁ, Kristína - URBANČÍKOVÁ, Nataša]

ADC005 [205171] **Stepping Out of the Shadows: Legacy of the European Capitals of Culture, Guimaraes 2012 and Košice 2013** / Oto Hudec ... [et al.] - 2019.In: Sustainability. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 5 (2019), s. 1-21 [online]. - ISSN 2071-1050 (online) Spôsob prístupu:

[https://www.mdpi.com/search?q=&authors=hudec&journal=sustainability&article\\_type=&search=Search](https://www.mdpi.com/search?q=&authors=hudec&journal=sustainability&article_type=&search=Search).

[HUDEC, Oto - REMOALDO, Paula Cristina - URBANČÍKOVÁ, Nataša - RIBEIRO, José António Cadima]

ADC006 [207302] **Formálna dimenzia fiškálnej decentralizácie v kontexte vertikálnej fiškálnej nerovnováhy a finančnej autonómie miestnych samospráv Slovenskej republiky** / Lenka Maličká - 2019.In: Politická ekonomie. - Praha (Česko) : Vysoká škola ekonomická v Praze Roč. 67, č. 3 (2019), s. 273-290 [print, online]. - ISSN 0032-3233 Spôsob prístupu:

[https://www.researchgate.net/publication/334648328\\_Formalna\\_dimenzia\\_fiskalne decentralizacie\\_v\\_kontexte\\_vertikalnej\\_fiskalne\\_nerovnovahy\\_a\\_finančne\\_auonomie\\_miestnych\\_samosprav\\_Slovenskej\\_republiky](https://www.researchgate.net/publication/334648328_Formalna_dimenzia_fiskalne decentralizacie_v_kontexte_vertikalnej_fiskalne_nerovnovahy_a_finančne_auonomie_miestnych_samosprav_Slovenskej_republiky).

[MALIČKÁ, Lenka]

ADC007 [209196] **A contingent valuation study of a polluted urban lake in Kosice, Slovakia: The case of the positive distance effect** / Juraj Šebo, Marek Gróf, Miriam Šebová - 2019.In: Journal of Environmental Management. - Londýn (Veľká Británia) : Academic Press č. 243 (2019), s. 331-339 [print]. - ISSN 0301-4797 Spôsob prístupu:

<https://www.sciencedirect.com/science/article/pii/S0301479719306619>.

[ŠEBO, Juraj - GRÓF, Marek - ŠEBOVÁ, Miriam]

ADC008 [209491] **Subjective Perceptions of Poverty and Objective Economic Conditions: Czechia and Slovakia a Quarter Century After the Dissolution of Czechoslovakia** / Martina Mysíková ... [et al.] - 2019.In: Social Indicators Research : an International and Interdisciplinary Journal for Quality-of-Life Measurement. Roč. 145, č. 2 (2019), s. 523-550 [print]. - ISSN 0303-8300

[MYSÍKOVÁ, Martina - ŽELINSKÝ, Tomáš - GARNER, Thesia I. - VEČERNÍK, Jiří]

ADC009 [209665] **European States in a Bout of Corporate Tax Competition** / Anna Bánociová, Slavomíra Ťahlová - 2019.In: Journal of competitiveness : the scientific periodical published by the Faculty of Management and Economics of Tomas Bata University in Zlín. Roč. 11, č. 3 (2019), s. 19-34 [print, online]. - ISSN 1804-171X Spôsob prístupu: <https://www.cjournal.cz/files/333.pdf>.

[BÁNOCIOVÁ, Anna - ŤAHLVÁ, Slavomíra]

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## 14 Contact Information

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Technical University of Košice

Faculty of Economics

Nemcovej 32, 042 00 Košice

Slovak Republic

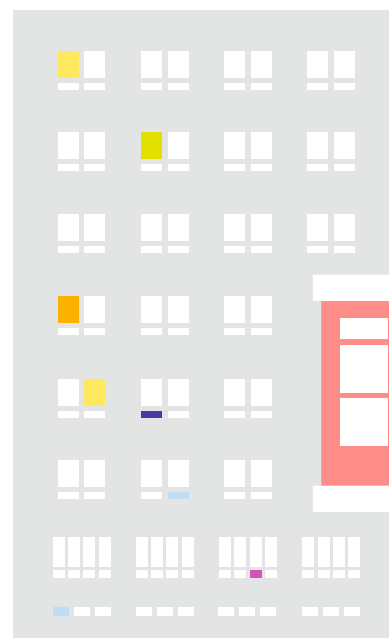
Tel.: +421-55-602 3276

E-mail: [dekanat.ekf@tuke.sk](mailto:dekanat.ekf@tuke.sk)

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



*Fig. 12: Technical University of Košice - Faculty of Economics*



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