

STUDENT GRANT COMPETITION - IGA - Projects Accepted for Funding in 2019

Project No.	Project title	Proposer	Guarantor
FACULTY OF TECHNOLOGY			
IGA/FT/2019/001	Evaluation o polymer and composite materials, their research and prototype manufacturing	Ing. Radoslav Milde	doc. Ing. Michal Sedlačík, Ph.D.
IGA/FT/2019/002	Injection Moulded Parts Properties and the Tools for their Production	Ing. Petr Fluxa	doc. Ing. Michal Staněk, Ph.D.
IGA/FT/2019/003	Preparation and characterization of gelatines/collagen hydrolysates from poultry by-products	Ing. Petr Mrázek	doc. Ing. Pavel Mokrejš, Ph.D.
IGA/FT/2019/004	Analysis of nutritional values and bioactive compounds in non-traditional raw materials and their products	Ing. Martina Mrázková	doc. Ing. Jiří Mlček, Ph.D.
IGA/FT/2019/005	Elastic and electrically conductive composites based on carbon fibers and nanotubes for the use in sensors	Ing. Ondřej Mrhálek	prof. ing. Petr Svoboda, CSc.
IGA/FT/2019/006	Assessment of food properties and quality depending on selected factors	Mgr. Richard Adámek	doc. Ing. Vendula Pachlová, Ph.D.
IGA/FT/2019/007	Synthesis and study of chemical reactivity of nitrogen heterocycles derivatives	Ing. Filip Zatloukal	doc. Mgr. Robert Vícha, Ph.D.
IGA/FT/2019/010	Occurrence of Undesirable Substances in Food and in the Environment and Possibilities of their Reduction	David Miličević	doc. Ing. Stanislav Kafka, CSc.
IGA/FT/2019/011	Preparation of structured biomaterials	Ing. Erika Čechová	doc. Ing. Leona Buňková Ph.D.
IGA/FT/2019/012	Occurrence of Undesirable Substances in Food and in the Environment and Possibilities of their Reduction	Ing. Barbora Ptošková	doc. Mgr. Aleš Mráček, Ph.D.
FACULTY OF MANAGEMENT AND ECONOMICS			
IGA/FaME/2019/001	Key factors determining the performance of SMEs	Ing. Ján Dvorský	x
IGA/FaME/2019/002	The role of institutional environment in fostering entrepreneurship	Gentjan Cera	prof. Ing. Jaroslav Belás
IGA/FaME/2019/003	Business Valuation Models, Strategic Analysis and Financial Reporting	Ing. Jana Vychytilová, Ph.D.	x
IGA/FaME/2019/006	Comparison of approach to risk management process in logistics projects in SMEs and large enterprises in the Czech Republic	Ing. Tereza Belantová	doc. Ing. Zuzana Tučková, Ph.D.
IGA/FaME/2019/007	Increasing Business Competitiveness by Meeting Customer Requirements in Customer Relationship Management Using Industrial Engineering Tools	Ing. Pavel Ondra	doc. Ing. David Tuček, Ph.D.
IGA/FaME/2019/008	Country-of-origin effect on domestic product (brand) purchasing intention and SME's sustainability in developing countries	Abdul Bashiru Jibril	doc. Ing. Miloslava Chovancová, CSc.
IGA/FaME/2019/009	Creating Performace Model of Church Subject for Active Cultural Heritage Protection	Ing. Marek Koňářik	RNdr. Bednář, Ph.D. / prof. Dr. Ing. Drahomíra Pavelková
IGA/FaME/2019/010	Corporate social responsibility system optimization with focus on risk minimisation and firm utility maximisation	Mgr. Jaroslava Němcová	doc. Ing. Zuzana Tučková, Ph.D.
IGA/FaME/2019/013	Improving business performance and quality with the help of E-business and EFQM excellence model	Muhammad Yousaf	doc. Ing. Petr Briš, CSc.
SVK/FaME/2019/001	15th Annual International Bata Conference for Ph.D. Students and Young Researchers	Ing. Pavel Ondra	Ing. Lubor Homolka
SVK/FaME/2019/002	Students' Research and Professional Activity SVOC 2019	Ing. Petr Novák, Ph.D.	x

FACULTY OF APPLIED INFORMATICS			
IGA/FAI/2019/001	The Propose of Algorithm for Assessing Hospitals regarding Electricity Supply Outages	Ing. Kateřina Víchová	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2019/002	The detection of cyber attacks in industrial control systems via machine learning	Ing. Jan Vávra	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2019/003	Protection of soft targets against attacks committed by freely available weapons and improvised explosives.	Ing. Martin Fícek	doc. RNDr. Vojtěch Křesálek, CSc.
IGA/FAI/2019/004	Determining the Impact of Selected Cyber Threats on the Organization's Information Environment	Ing. Bc. Filip Večeřa	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2019/005	Application research Brain Computer Interface for data acquisition and intelligent systems management	Ing. Martina Žabčíková	prof. Ing. Roman Jašek, Ph.D.
IGA/FAI/2019/006	Personal information environment and temperament typology relation	Ing. Pavel Valášek	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2019/007	The Analysis and The Typology of Threat Sources from Selected Security Types	Ing. Jan Svoboda	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2019/008	Security awareness and perception of potential dangers from behavioral detection	Ing. Khrystyna Lyubymenko	doc. Mgr. Milan Adámek, Ph.D.
IGA/FAI/2019/009	The Assessment of the Security of the Locality of the Soft Targets in the Czech Republic.	Ing. Lucia Ďuricová	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2019/010	Ideal Maps for a Proposed Tool to Minimize the Impact in Critical Infrastructure Sectors	Ing. Jan Mrázek	doc. Ing. Martin Hromada, Ph.D.
SVK/FAI/2019/001	Support of student research activities at FAI	doc. Ing. Bronislav Chramcov, Ph.D.	doc. Ing. Bronislav Chramcov, Ph.D.
REGIONAL RESEARCH CENTRE CEBIA-Tech			
IGA/CebiaTech/2019/001	Optimization of specific elements of air-conditioning systems in terms of energy efficiency and noise	Ing. Jan Skovajsa	Ing. Martin Zálešák, CSc.
IGA/CebiaTech/2019/002	Artificial Intelligence driven Techniques with Applications	Ing. Tomáš Kadavý	doc. Ing. Zuzana Komínková Oplatková, Ph.D.
IGA/CebiaTech/2019/003	A modern platform for helping diagnose and treat patients using virtual reality	Ing. Václav Mach	doc. Mgr. Milan Adámek, Ph.D.
IGA/CebiaTech/2019/004	Control Methods of Ball and Plate Nonlinear Mechanical Structure	Ing. Ľuboš Spaček	doc. Ing. Jiří Vojtěšek, Ph.D.
IGA/CebiaTech/2019/006	Vehicle communication unit for connection to a small mobile network	Ing. Tomáš Juřena	Ing. Tomáš Dulík, Ph.D.
IGA/CebiaTech/2019/007	Community policing and experience with it in chosen countries.	Bc. Lukáš Kotek	doc. Ing. Martin Hromada, Ph.D.
FACULTY OF HUMANITIES			
IGA/FHS/2019/001	Teacher Immediacy Behavior in School Classroom	Mgr. Renáta Matušů	x
IGA/FHS/2019/002	Causes of origin of labelling gifted children	Mgr. Eva Machů	x
IGA/FHS/2019/003	Evolution of Preschool and Primary Teachers' Professional Trajectories	doc. PaedDr. Adriana Wiegerová, Ph.D.	x
SVK/FHS/2019/001	Students' Conference	doc. RNDr. Jaroslava Pavelková, CSc.	x
FACULTY OF LOGISTIC AND CRISIS MANAGEMENT			
IGA/FLKŘ/2019/001	Model of export supplies	Ing. Jan Strohmandl, Ph.D.	x
IGA/FLKŘ/2019/002	Information Support of Population Protection	Ing. Jakub Rak, Ph.D.	x
IGA/FLKŘ/2019/003	Risk Management Implementation and Arts Management in museums of the Czech Republic	Mgr. Marek Tomašík, Ph.D.	x
SVK/FLKŘ/2019/001	Student Conference FLKR 2019	Ing. Jiří Dokulil	x
SVK/FLKŘ/2019/002	The 9th International Students Symposium on Logistics and International Business 2019	doc. Ing. Zuzana Tučková, Ph.D.	x

CENTRE OF POLYMER SYSTEMS			
IGA/CPS/2019/001	Influence of mechanical-chemical aging on minimal energy necessary for crack growth in rubber	Ing. Aleš Machů	Dr.Ing. Radek Stoček
IGA/CPS/2019/002	Supramolecular Structure of Long Chain Branched Polypropylene	Ing. Adriana Ryzí	doc. Ing. Roman Čermák, Ph.D.
IGA/CPS/2019/003	Calcium phosphate filled bacterial cellulose based hydrogel scaffolds	Probal Basu, M.Sc.	doc. Nabanita Saha, M.Sc. Ph.D.
IGA/CPS/2019/004	Biological Properties of Materials	Mgr. Jan Vajdák	doc. Ing. Petr Humpolíček, Ph.D.
IGA/CPS/2019/005	Influence of organic materials on the efficiency of intelligent systems	Ing. Josef Osička	doc. Ing. Michal Sedlačík, Ph.D.
IGA/CPS/2019/006	Polymeric composites for bioapplications	Ing. Monika Strašáková	prof. Ing. Vladimír Sedlařík, Ph.D.
IGA/CPS/2019/007	Development and study of conductive nanocomposite materials for electronic and electrotechnical applications	Ing. Marek Jurča	doc. Ing. et Ing. Ivo Kuřitka, Ph.D. et Ph.D.
IGA/CPS/2019/008	Biopolymer based hydrogel food package having antimicrobial properties	Smarak Bandyopadhyay	doc. Nabanita Saha, M.Sc. Ph.D.
IGA/CPS/2019/009	Production of Kombucha Leather using Waste Bioresources	Hau Trung Nguyen, M.Sc.	doc. Nabanita Saha, M.Sc. Ph.D.
IGA/CPS/2019/010	A system based on polymer elastic composites for monitoring of human breath connected with mobile application	Ing. Romana Daňová	prof. Slobodian Petr Ing. Ph.D
FACULTY OF MULTIMEDIA COMMUNICATIONS			
IGA/FMK/2019/001	Non-traditional narrative structures in non-traditional outputs	MgA. Irena Kocí	prof. Ing. Ján Grečnár
IGA/FMK/2019/002	Photographic interpretation of love stories	MgA. Dita Pepe	doc. Mgr. Irena Armutidisová
IGA/FMK/2019/003	Photographical presentation of contemporary architecture	Mgr. Vendula Tůmová	doc. MgA. Jaroslav Prokop