

STUDENT GRANT COMPETITION - Projects Accepted for Funding 2017

Project No.	Project title	Proposer	Guarantor
FACULTY OF TECHNOLOGY			
IGA/FT/2017/001	Smart supramolecular systems	Ing. Kristýna Jelínková	Mgr. Robert Vícha, Ph.D.
IGA/FT/2017/002	The research of polymer composite materials and tools for their simulations and processing	Ing. Lukáš Maňas	doc. Ing. Soňa Rusnáková, Ph.D.
IGA/FT/2017/003	Possibility of Reducing the Occurrence of Undesirable Substances in Food and in the Environment	Mgr. Irena Butor	doc. RNDr. Leona Buňková, Ph.D.
IGA/FT/2017/004	Application of additives and other functional substances in selected foodstuff	Ing. Tomáš Šopík	doc. Ing. Vendula Pachlová, Ph.D.
IGA/FT/2017/005	Synthesis and investigation of chemical transformations of quinoline and 1,2,3-triazole derivatives	Ing. Filip Křemen	doc. Ing. Stanislav Kafka, CSc.
IGA/FT/2017/006	Determination of Bioactive Compounds Contents in Plant Products and Monitoring of Their Changes Due to Technological Processing	Ing. Lukáš Snopek	doc. Ing. Jiří Mlček, Ph.D.
IGA/FT/2017/007	Improving and adjusting of natural and synthetic polymer materials.	Ing. Matouš Huťta	doc. Ing. Pavel Mokrejš, Ph.D.
IGA/FT/2017/008	Utilization of Small-angle X-ray scattering to quantification of silica filler in elastomer blends	Mgr. Barbora Chládková	doc. Ing. Roman Čermák, Ph.D.
IGA/FT/2017/009	A study of technologically interesting interactions of modified oligomers of hyaluronan with receptors binding hyaluronan	Mgr. Roman Witasek	RNDr. Marek Ingr, Ph.D.
IGA/FT/2017/010	Evaluation of selected properties of advanced materials	Ing. Lenka Hýlová	doc. Ing. David Maňas, Ph. D.
IGA/FT/2017/011	Plasma treatment of micro and nano textured surfaces and study their influence on the development of cell cultures	Ing. Martin Minařík	doc. Mgr. Aleš Mráček, Ph.D.
FACULTY OF MANAGEMENT AND ECONOMICS			
IGA/FaME/2017/002	Analysis of actual use of modern calculation methods in service businesses in the Czech Republic	Ing. Bc. Šárka Papadaki, Ph.D.	x
IGA/FaME/2017/004	The Relationship between Concentration Ownership and Financial Reporting Quality	Le Tuan Bach	prof. Dr. Ing. Drahomíra Pavelková
IGA/FaME/2017/006	Business Run by University Students: Significant Factors and Inclination to Business	prof. Ing. Jaroslav Belás, Ph.D.	x
IGA/FaME/2017/007	The Financial and Non-Financial Factors of Credit Risk of Small and Medium-Sized Enterprises in the Czech Republic	Ing. Ludmila Kozubíková, Ph.D.	x
IGA/FaME/2017/008	Comparative Study of Continuous Improvement Programs in the Shared Services Sector in the Czech Republic and the Republic of Ireland	Ing. Oksana Petrivna Koval	prof. Ing. Felicita Chromjaková, Ph.D.
IGA/FaME/2017/009	Increasing the Effectiveness of Crowdfunding Campaigns	Ing. Blanka Kameníková, Ph.D.	x
IGA/FaME/2017/010	Financial Constraints on Economic Activities	Rahman Ashiqur	prof. Ing. Jaroslav Belás, Ph.D.
IGA/FaME/2017/013	The relationship between knowledge management and organisational performance with mediating role of innovation	Nguyen Ngoc Tan	doc. PhDr. Ing. Aleš Gregar, CSc.
IGA/FaME/2017/015	Impact of selected industrial engineering methods on the overall business performance and process efficiency	Ing. et Ing. Kateřina Gálová	doc. Ing. Rastislav Rajnoha, PhD.
IGA/FaME/2017/016	Environmental and energy risk management in relation to the triple bottom line concept within selected industrial sector in the Czech Republic	Ing. Viera Pechancová	doc. Ing. David Tuček, Ph.D.
IGA/FaME/2017/017	Economic Sustainability in Spa Services	Ing. Darina Jelínková	doc. Ing. Zuzana Tučková, Ph.D.
IGA/FaME/2017/018	Tax rates and motivation to work	Orkhan Nadirov	Assoc. Prof. Bruce Dehning, Ph.D. (bude doc. Paseková)
SVK/FaME/2017/001	Students' Research and Professional Activity SVOC 2017	Ing. Petr Novák, Ph.D.	x
SVK/FaME/2017/002	13th Annual International Bata Conference for Ph.D. Students and Young Researchers	Ing. Jana Matošková, Ph.D.	Ing. Martin Horák

FACULTY OF APPLIED INFORMATICS			
IGA/FAI/2017/002	Simulation of methods for achieving more efficient production and logistics systems	Ing. Milan Jemelka	doc. Ing. Bronislav Chramcov
IGA/FAI/2017/003	Evaluation of detection methodologies in relation to SCADA systems	Ing. Jan Vávra	Ing. Martin Hromada, Ph.D.
IGA/FAI/2017/004	Proposal of the equations of motion of a flying service robot and recognizing objects in 3D space at a slow speed sensor support	Ing. Michal Šustek	doc. RNDr. Ing. Zdeněk Úředníček, CSc.
IGA/FAI/2017/005	Design and application of autonomous control system using an ultrasonic sonar distance measurement and a camera	Ing. Miroslav Popelka	doc. RNDr. Ing. Zdeněk Úředníček, CSc.
IGA/FAI/2017/006	Using Support Software Tools for Modelling, Analysis and the Subsequent Motional States Control of Nonlinear Robotic Structure	Ing. Jiří Zátopek	doc. RNDr. Ing. Zdeněk Úředníček, CSc.
IGA/FAI/2017/007	Sensor Fusion	Ing. Aleš Kunčar	doc. Ing. Martin Sysel, Ph.D.
IGA/FAI/2017/008	Design methodology for determining the price information system organization in terms of cyber risks	Ing. Lukáš Pavlík	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2017/009	Nonlinear and predictive control methods in processes with complex dynamics	Adam Krhovják	prof. Ing. Vladimír Bobál, CSc.
IGA/FAI/2017/010	Using of luminescence for standoff detection of explosives and study of the interaction of missiles of category D weapons with selected materials	Ing. Michal Gracla	doc. RNDr. Vojtěch Křesálek, CSc.
IGA/FAI/2017/011	Structure of personal user environment	Ing. Pavel Valášek	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2017/012	Penetration Testing with ARM Devices	Jakub Nožička	doc. Mgr. Roman Jašek, Ph.D.
IGA/FAI/2017/013	The common signs of selected security breach	Ing. Jan Svoboda	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2017/014	Modelling distribution networks: an application of finite state automata	Ing. Alena Košťálová	doc. Ing. Zdenka Prokopová, CSc.
IGA/FAI/2017/015	Protection of critical infrastructure by IRS and possible use of assistive technologies and software for modeling and simulation in crisis management	Ing. Martin Ficek	Ing. Martin Hromada, Ph.D.
IGA/FAI/2017/016	Analysis of Evaluation Criteria for Transport Infrastructure	Ing. Jan Mrázek	Ing. Martin Hromada, Ph.D.
IGA/FAI/2017/017	Developing the application of an analysis tool for realizing the security assessment of soft targets in real conditions	Ing. Lucia Procházková	Ing. Martin Hromada, Ph.D.
IGA/FAI/2017/018	The research of current trends in software development in European countries	Veronika Veselá	doc. Ing. Zdenka Prokopová, CSc.
IGA/FAI/2017/019	Information Support of Crisis Management at the Regional Level	Ing. Kateřina Víchová	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2017/020	RemLabNet extension in the level of services, usage and access	Petra Špiláková	prof. Ing. František Schauer, DrSc.
IGA/FAI/2017/021	Wireless videosegment transfer	Michal Václavský	doc. Ing. Milan Adámek, Ph.D.
IGA/FAI/2017/022	Enhancing the Security of Storing Private Data in Android Applications	Ing. Radovan Holík	doc. Mgr. Roman Jašek, Ph.D.
IGA/FAI/2017/023	Developing skills in profiling the target groups	Ing. Khrystyna Lyubymenko	doc. Ing. Milan Adámek, Ph.D.
IGA/FAI/2017/024	Modern ICT platform for the development of mental activity of patients	Ing. David Pala	prof. Ing. Dagmar Janáčková, CSc.
IGA/FAI/2017/025	RemLabNetVR - Remote physical experiment for virtual reality	Ing. Tomáš Komenda	prof. Ing. František Schauer, DrSc.
IGA/FAI/2017/027	Small mobile networks	Ing. Tomáš Juřena	Ing. Tomáš Dulík, Ph.D.

REGIONAL RESEARCH CENTRE CEBIA-Tech			
IGA/CebiaTech/2017/001	Development and Analysis of mini-UAV	Ing. Tomáš Vogeltanz	doc. Mgr. Roman Jašek, Ph.D.
IGA/CebiaTech/2017/002	Research of parameters for Environmental Engineering II	Ing. Pavel Drábek	Ing. Martin Zálešák, CSc.
IGA/CebiaTech/2017/003	Nanofabrication of Identification Structures Using Atomic Force Microscopy	Ing. Josef Kudělka	doc. RNDr. Vojtěch Křesálek, CSc.
IGA/CebiaTech/2017/004	Computational Intelligence Techniques with Applications	Ing. Adam Viktorin	doc. Ing. Zuzana Komínková Oplatková, Ph.D.
IGA/CebiaTech/2017/005	Automated Generating a Universal View for Software Testing	Ing. Petr Čápek	doc. Ing. Roman Šenkeřík, Ph.D.
IGA/CebiaTech/2017/006	Use of near electromagnetic field within the communication and security	Ing. Hana Urbančoková	Ing. Jan Valouch, Ph.D.
IGA/CebiaTech/2017/007	Software Support for Training and Examination of IT Admins	Ing. Lukáš Králík	doc. Mgr. Roman Jašek, Ph.D.
SVK/CebiaTech/2017/001	Support of student research activities at FAI	doc. Ing. Bronislav Chramcov, Ph.D.	
FACULTY OF HUMANITIES			
IGA/FHS/2017/004	Self-efficacy of Educational Employees: Foreign Language Teachers and Social Pedagogues	Mgr. Jaroslava Pavlíčková, Mgr. Andrea Macková	prof. PhDr. Peter Gavora, CSc.
IGA/FHS/2017/005	Characteristics of pupils' questions at the beginning of schooling	Mgr. Marie Pavelková, Veronika Stravová	prof. PhDr. Hana Lukášová, CSc.
IGA/FHS/2017/006	The concept of educational values from the perspective of pupils from different cultural backgrounds	Mgr. Iva Staňková, Mgr. Lenka Venterová	doc. PhDr. Mgr. Jaroslav Balvín, CSc.
IGA/FHS/2017/007	Importance of speech therapy to prevent the development of speech and language abilities in preschool children	Bc. Silvie Zálešáková	Mgr. Iva Žáková
IGA/FHS/2017/008	Professionalization of University Students of Pre-school Education in the Course of their Studies at the University	prof. PhDr. Peter Gavora, CSc.	doc. PaedDr. Adriana Wiegerová, PhD.
SVK/FHS/2017/001	Young researchers forum	Bc. Petr Liška, Bc. Andrea Dalajková	doc. PaedDr. Adriana Wiegerová, PhD.
FACULTY OF LOGISTIC AND CRISIS MANAGEMENT			
IGA/FLKŘ/2017/001	Implementation of augmented reality and location-based services tools to presentation of conceptual documents related to regional development	RNDr. Jakub Trojan, MSc.	
IGA/FLKŘ/2017/003	Information Support of Population Protection	Ing. Jakub Rak	
IGA/FLKŘ/2017/004	Special Transportation Logistics	Ing. Jan Strohmandl, Ph.D.	
IGA/FLKŘ/2017/005	Preparation of Methodology for Risk Management in Selected Museums in the Czech Republic	Mgr. Marek Tomašík, Ph.D.	
SVK/FLKŘ/2017/001	Students' Scientific and Expert Activities FLCM 2017	doc. Ing. Zuzana Tučková, Ph. D.	

CENTRE OF POLYMER SYSTEMS			
IGA/CPS/2017/001	Biological properties of polymers	Ing. Nikola Mikušová	doc. Ing. Petr Humpolčec, Ph.D.
IGA/CPS/2017/002	Analysis of composite laminates reinforced with glass fibers with an integrated layer of carbon tubes decorated by Ag clusters for deformation detection	Ing. Michal Kovář	doc. Ing. Petr Slobodian, Ph.D.
IGA/CPS/2017/003	Preparation and characterization of a Bacterial cellulose (BC) based hydrogel with enhanced mechanical and bio-adhesive property	Smarak Bandyopadhyay	doc.Nabanita Saha M.Sc. Ph.D.
IGA/CPS/2017/004	Evaluation of Carbon-Based Nano-Additives' Influence on Magnetorheological Performance and Preparation of Electrorheological Suspension with Enhanced Sedimentation Stability	Ing. Martin Cvek	Ing.Miroslav Mrlík Ph.D.
IGA/CPS/2017/005	Bioactive systems for medical and industrial applications	Ing. Lucie Nogolová	doc. Ing.Vladimír Sedlářik Ph.D.
IGA/CPS/2017/006	Influence of thermal aging on crack initiation in rubber	Dr. Ing. Radek Stoček	Dr. Ing. Radek Stoček
IGA/CPS/2017/007	Preparation and characterization of nanostructured polymeric and composite systems	Ing. David Podlipný	doc. Ing. et Ing.Ivo Kuřitka Ph.D. et Ph.D.
IGA/CPS/2017/008	Preparation and characterization of nanoparticles and thin nanocomposite films made thereof	Jamatia Thaiskang, MSc.	doc. Ing. et Ing.Ivo Kuřitka Ph.D. et Ph.D.
FACULTY OF MULTIMEDIA COMMUNICATIONS			
IGA/FMK/2017/001	Possibilities of a Transmedia Storytelling	MgA. Libor Nemeškal, Ph.D.	
IGA/FMK/2017/002	Research folk clothing culture in a selected locality of the Czech Republic (scientific publications)	MgA. Kristýna Petříčková	prof. ak.mal.Ondrej Slivka ArtD.
IGA/FMK/2017/005	Women on Women. Intimacy of the Content and the Creation of the Female Film and Literary Documentary since 1989 until Today	Mgr. Barbora Baronová	doc. MgA.Jana Janíková ArtD.
IGA/FMK/2017/006	Romanian Fortune Tellers	doc. Mgr.Jaroslav Prokop	x