

**STUDENT GRANT COMPETITION - Projects Accepted for Funding 2018**

Project No.	Project title	Proposer	Guarantor
<b>FACULTY OF TECHNOLOGY</b>			
IGA/FT/2018/001	High-affinity supramolecular systems	Ing. Heda Surmová	Mgr. Robert Vícha, Ph.D.
IGA/FT/2018/003	The role of additives and other functional substance in food production	Bc. Kateřina Slintáková	doc. Ing. Vendula Pachlová, Ph.D.
IGA/FT/2018/004	Research, simulation and evaluation of polymer and composite materials and tools for their processing	Ing. Lukáš Maňas	doc. Ing. Soňa Rusnáková, Ph.D.
IGA/FT/2018/006	Determination of Nutritional Parameters of Raw Plant Materials	Ing. Tereza Koláčková	doc. Ing. Daniela Sumczynski, Ph.D.
IGA/FT/2018/007	Study of chemical reactivity of compounds with quinoline, pyridine and 1,2,3-triazole structure in molecule	David Miličević	doc. Ing. Stanislav Kafka, Ph.D.
IGA/FT/2018/008	Preparation, optimization, modification and utilization of properties of natural and synthetic polymeric materials	Ing. Petr Mrázek	doc. Ing. Pavel Mokrejš, Ph.D.
IGA/FT/2018/009	Development of Current Knowledge in the Area of Elimination of Undesirable Substances in the Environment and Food	Ing. Ludmila Vaňharová	Ing. Markéta Julinová, Ph.D.
IGA/FT/2018/010	Pharmaceutically important molecular simulations of interactions of hyaluronan and its analogs with native and mutant protein receptors	Mgr. Roman Witasek	RNDr. Marek Ingr. Ph.D.
IGA/FT/2018/011	Microporous biopolymer surfaces prepared by phase separation methods	Ing. Martin Minařík	doc. Mgr. Aleš Mráček, Ph.D.
IGA/FT/2018/012	Construction materials and their properties	Ing. Lenka Hýlová	doc. Ing. Michal Staněk, Ph.D.
<b>FACULTY OF MANAGEMENT AND ECONOMICS</b>			
IGA/FaME/2018/001	Leading indicators in the purchasing decisions of companies on the B2B markets	Ing. Lucie Povolná	doc. Ing. Jena Švarcová, Ph.D.
IGA/FaME/2018/002	Using of Marketing 4.0 principles for customer relationship management in the Czech Republic	Ing. Monika Hýblová	doc. Ing. Pavla Staňková, Ph.D.
IGA/FaME/2018/005	Process management model proposal for implementation of INDUSTRY 4.0 concept in SMEs	Fortune Nwaiwu	prof. Ing. Felicity Chromjaková, Ph.D.
IGA/FaME/2018/006	EVALUATION AND EFFICIENCY OF ADDITIONAL TRAINING IN COMPANIES (SME) IN THE CONTEXT OF FINANCIAL RESOURCES	Ing. Mgr. Ladislav Kudláček	doc. PhDr. Ing. Aleš Gregar, CSc.
IGA/FaME/2018/009	HRM application as a source of organizational performance in tourism services in the context of sustainable tourism	Tan Nhat Pham	doc. Ing. Zuzana Tučková, Ph.D.
IGA/FaME/2018/012	The use of financial and non-financial indicators in budgeting and controlling	Ing. Jana Zlámalová	doc. Ing. Boris Popesko, Ph.D.
IGA/FaME/2018/014	Influence of the specific risk factors of the financial statements on the company's competitiveness with an impact on the tax area	Mgr. Eva Kolářová, Ph.D.	x
IGA/FaME/2018/015	Consumer behaviour changes and entrepreneurship for market development through digitization	Quyen Phu Thi Phan	doc. Ing. Michal Pilík, Ph.D.
IGA/FaME/2018/016	The use of B2B digital touchpoints to increase customer loyalty among industrial companies	Elina Bakhtieva	doc. Ing. Michal Pilík, Ph.D.
IGA/FaME/2018/019	FDI absorptive capacity and the factor determining FDI flows in developing countries of Asia and Africa	Hoang Duong Vu	doc. Ing. Zuzana Dohnalová, Ph.D. / prof. Ing. Juraj Sipko, Ph.D. MBA
SVK/FaME/2018/001	14 th annual conference DOKBAT - International Bata Conference for Ph.D. Students and Young Researchers	Ing. Ottó Bartók	Ing. Jana Matošková, Ph.D.
SVK/FaME/2018/002	Students' Research and Professional Activity SVOC 2018	Ing. Petr Novák, Ph.D.	x

FACULTY OF APPLIED INFORMATICS			
IGA/FAI/2018/001	Criteria for the Evaluation of Elements for the Emergency Survival of the Population	Ing. Kateřina Víchová	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2018/002	Design and Implementation of a Control System of a Flying Service Robot by Mobile Technologies	Ing. Michal Šustek	doc. RNDr. Ing. Zdeněk Úředníček, CSc.
IGA/FAI/2018/003	Conceptual design of anomaly detection methodology related to industrial control systems	Ing. Jan Vávra	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2018/004	Modeling the Impact of Cyber Threats in the Organization's Information System	Ing. Lukáš Pavlík	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2018/005	Profession and personal information environment relation	Ing. Pavel Valášek	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2018/007	The Assessment of the Security of the Real Conditions of the Soft Targets in Czech Republic	Ing. Lucia Ďuricová	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2018/008	Use of BCI technology in system control and data collection	Ing. Zuzana Koudelková	prof. Ing. Roman Jašek, Ph.D.
IGA/FAI/2018/009	Management support for the service robot by distance measurement system for use in a logistics center	Ing. Miroslav Marčaník	prof. Ing. Roman Jašek, Ph.D.
IGA/FAI/2018/010	The typology of security breach with implementation the barrier models	Ing. Jan Svoboda	doc. Ing. Luděk Lukáš, CSc.
IGA/FAI/2018/011	The analysis of current condition of educating youth in security and safety field and suggestion of its innovation	Ing. Tomáš Sedláček	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2018/012	Inertial Navigation Systems for People Localization in Buildings	Ing. Aleš Kunčar	doc. Ing. Martin Sysel, Ph.D.
IGA/FAI/2018/013	Evaluation Criteria for the Proposed Transport Management Tool	Ing. Jan Mrázek	doc. Ing. Martin Hromada, Ph.D.
IGA/FAI/2018/014	Modern trends in the areas of shooting weapons and explosives	Ing. Michal Gracla	doc. RNDr. Vojtěch Křesálek, CSc.
IGA/FAI/2018/016	" Remote laboratories with elements of virtual reality and artificial intelligence "	Sayan Das	prof. Ing. František Schauer, DrSc.
IGA/FAI/2018/017	Development and support of mental activity of citizens with anxiety disorders in the Zlín region	Ing. Miroslav Mušálek	prof. Ing. Dagmar Janáčková, CSc.
IGA/FAI/2018/019	Mathematical modelling using Even-B method	Ahmed Samir Mohamed Alashrafy	doc. Ing. Bronislav Chramcov, Ph.D.
IGA/FAI/2018/020	Methods of detecting suspects and their effectiveness	Ing. Khrystyna Lyubymenko	doc. Mgr. Milan Adámek, Ph.D.
REGIONAL RESEARCH CENTRE CEBIA-Tech			
IGA/CebiaTech/2018/001	Research of application of various types of materials with specific properties in technological systems in buildings	Ing. Pavel Drábek	Ing. Martin Zálešák, CSc.
IGA/CebiaTech/2018/002	Control methods of nonlinear mechanical structure for a physical and real model	Ing. Jiří Zátoupek	doc. RNDr. Ing. Zdeněk Úředníček, CSc.
IGA/CebiaTech/2018/003	Advanced Computational Intelligence Techniques with Applications	Ing. Adam Viktorin	doc. Ing. Zuzana Komínková Oplatková, Ph.D.
IGA/CebiaTech/2018/004	Design and implementation of device for detecting electromagnetic radiation	Ing. Hana Urbančoková	Ing. Jan Valouch, Ph.D.
IGA/CebiaTech/2018/005	Small mobile network for navigation and communication of specialized vehicles	Ing. Tomáš Juřena	Ing. Tomáš Dulík, Ph.D.
IGA/CebiaTech/2018/006	Comparative Study of Security Incident Reconstruction Methods in Virtual Environment	Ing. Jiří Ševčík	doc. Mgr. Milan Adámek, Ph.D.
IGA/CebiaTech/2018/007	Software Support for Training and Examination of IT Admins - II.	Ing. Petr Žáček	prof. Ing. Roman Jašek, Ph.D.
IGA/CebiaTech/2018/008	Designing methods for the efficiency of production and logistics systems using simulation tools	Ing. Kateřina Řmotová	doc. Ing. Bronislav Chramcov, Ph.D.
SVK/CebiaTech/2018/001	Support of student research activities at FAI	doc. Ing. Bronislav Chramcov, Ph.D.	doc. Ing. Bronislav Chramcov, Ph.D.
FACULTY OF HUMANITIES			
SVK/FHS/2018/001	A Forum for young researchers VI.	Mgr. Barbora Petřú Puhrová	x
FACULTY OF LOGISTIC AND CRISIS MANAGEMENT			
IGA/FLKŘ/2018/001	Security Policy of Information Systems in the Population Protection	Ing. Petr Svoboda	x
SVK/FLKŘ/2018/001	Students' Research and Professional Activity FLCM - SVOC 2018	Ing. Jiří Dokulil	x

<b>CENTRE OF POLYMER SYSTEMS</b>			
IGA/CPS/2018/001	Biological Properties of Polymers	Ing. Kateřina Skopalová	doc. Ing. Petr Humpolíček, Ph.D.
IGA/CPS/2018/003	Functionalized Polymer Composites	Ing. Petra Válková	prof. Ing. Vladimír Sedlařík, Ph.D.
IGA/CPS/2018/004	Preparation and characterization of electrorheological suspensions based on ferrous oxalates and clays	Ing. Josef Osička	doc. Ing. Michal Sedlačík, Ph.D.
IGA/CPS/2018/005	High sensitive polymer composite based system for human breath monitoring	Ing. Romana Daňová	doc. Ing. Petr Slobodian, Ph.D.
IGA/CPS/2018/006	Preparation and characterization of filled polymeric systems	Mgr. Barbora Chládková	doc. Ing. Roman Čermák, Ph. D.
IGA/CPS/2018/007	Development and studies of conductive nanocomposite systems applicable in polymer electronics	Ing. Milan Masař	doc. Ing. et Ing. Ivo Kuřitka, Ph.D. et Ph.D.
IGA/CPS/2018/008	Bacterial Cellulose based Bioactive and Functional Biomaterials: Preparation and Characterization	Probal Basu	doc. Nabanita Saha, M.Sc., Ph.D.
SVK/CPS/2018/001	Students' Research and Professional Activity CPS - SVOC 2018	prof. Ing. Vladimír Sedlařík, Ph.D.	doc. Ing. et Ing. Ivo Kuřitka, Ph.D. et Ph.D.
<b>FACULTY OF MULTIMEDIA COMMUNICATIONS</b>			
IGA/FMK/2018/001	Key attributes of materials most often used in stop motion animated movies	MgA. Petr Jindra	doc. ak. mal. Michal Zeman
IGA/FMK/2018/003	"Invisible cities" - Prototype of multimedia interactive remediation of the of ergodic literary text parts, which are related to the places of a city.	Mgr. Andrea Gogová	prof. Ondrej Slivka, ArtD.
IGA/FMK/2018/004	HAREDIM - author's photographic book	MgA. Eliška Blažková	doc. MgA. Jan Jindra