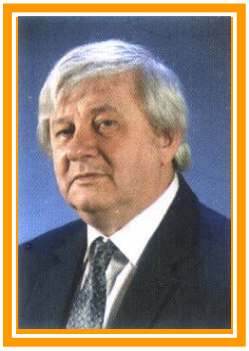
Institute of Management, Industrial and Digital Engineering

(Department of Industrial Engineering and Management)



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Staff

- Professors: **2**
- Assoc. Professors: **4**
- Lectures: **3**
- Researchers: **2**
- PhD Students: **3**

Activities at the institute

Date	Title of the event, activity characterizing the life at the Institute in 2016
07/2016	Journal Transfer inovácií 33/2016
12/2016	19th International Scientific Conference Trends and Innovative Approaches in Business Processes, Košice © 2016

EDUCATION AT THE INSTITUTE
STUDY PROGRAMMES

Bachelor's degree:
Industrial Engineering (IE)

Bachelor's degree:
Enterprise Management and Economics (EMaE)

Master's degree:
Industrial Engineering

Doctoral degree:
Industrial Engineering

Number of the students (2016/2017)
on the study programmes guaranteed by the department:
Bachelor's degree:
- 22 internal form of study IE
- 15 internal form of study EMaE
- 2 combined form of study IE

Master's degree:
- 23 internal form of study
- 10 combined form of study

Doctoral degree:
- 3 internal form of study
- 7 external form of study

Number of the graduates (2015/2016)
on the study programmes guaranteed by the department:
Bachelor's degree:
- 0 internal form of study
- 0 external form of study

Master's degree:
- 53 internal form of study
- 22 external form of study

Doctoral degree:
- 0 internal form of study
- 0 external form of study

GRADUATE PROFILE

BACHELOR PROGRAMMES (Bc.)

Industrial Engineering

The Bachelor of Industrial Engineering programme objective is to help students apply technical, technological, economical and mathematical principles to the design, improvement, and installation of integrated systems comprised of people, material, information, and energy.

Enterprise Management and Economics

The Bachelor of Enterprise Management and Economics programme objective is to gain knowledge in the field of technical and natural science disciplines of management and economics, manufacturing and information technology and business process management.

MASTER PROGRAMMES (MSc., ENG.)

Industrial Engineering

The graduate gains complete university education focused on planning, designing, implementing and managing production systems and also creativity development in engineering projects or processes. The student has deep knowledge of natural sciences, technical, technological disciplines and humanities with expertise in industrial engineering, company management, production management, business economics, theoretical knowledge of operation and system analysis, logistics, personal management, investment, finance, innovation, information management, etc. The graduate is ready, either to continue his/her study in postgraduate degree and develop his/her research career in industrial management, or to enter job market immediately. He/she will successfully perform as a middle or top manager in organisations within various sectors of industry, requiring the synergy of managerial, economical, technical and soft skills and knowledge.

DOCTORAL PROGRAMMES (PhD.)

Industrial Engineering

The graduate gains complex university education in Industrial Engineering. He/she has mastered research and development methods of gaining knowledge independently. He/she will be able to develop creative methods in the field of the Industrial Engineering. The graduate will be successful in the top managerial positions in various types of organisations, consulting companies and universities, in both research and teaching careers.

LIST OF SUBJECTS GUARANTEED BY THE INSTITUTE

Industrial Engineering

- ✓ Basics of Digital and Virtual Technologies
- ✓ Basis of Industrial Engineering
- ✓ Business Strategies
- ✓ Business Controlling
- ✓ Business Economics
- ✓ Business Information System
- ✓ Business Management
- ✓ Business Processes and Systems
- ✓ Business Strategy of Small and Middle Sized Company
- ✓ Creation and Management of Innovation Processes
- ✓ Crisis Business Management
- ✓ Database Systems
- ✓ Design and Operation of Production Systems
- ✓ Design of Businesses
- ✓ Design of Production Processes Designing the Engineering Production
- ✓ Digitalization and Virtualization of Production
- ✓ Diploma Work
- ✓ Final Work
- ✓ General Economics
- ✓ Human Resources Management
- ✓ Industrial Professional Experience
- ✓ Introduction to Management
- ✓ Introduction to Rationalization of Work
- ✓ Laboratory Training
- ✓ Logistics Systems
- ✓ Management of Enterprises
- ✓ Management of Investment Business Development
- ✓ Marketing
- ✓ Modelling and Simulation of Logistic Processes
- ✓ Production Automation
- ✓ Production-practical Experience
- ✓ Production Management
- ✓ Production Preparation
- ✓ Project Management
- ✓ Production and Products Innovation
- ✓ Semestral Project

- ✓ Economic Tools of Business Management
- ✓ Engineering Economics
- ✓ Enterprise Information and Communication Systems
- ✓ Ergonomics, Analysis and Work Measurement

GRADUATE THESES

BACHELOR'S THESES:

Industrial Engineering

Cuper Richard	Optimization of processes in production with simulation program
Čorba Gabriel	Increasing the competitiveness of businesses
Hevery Pavel	Business production factors
Janický Jakub	Analysis of controlling tools in industrial company
Jelenffyová Monika	Simulation of production activities in software module Plant Simulation
Jusko Matej	Redesign of processes in the company
Kavečanská Veronika	Reducing the workload of the production workers
Keruľová Alexandra	Influence of maintenance for improvement machines parameters
Kléri Marek	Project optimization of production facilities layout
Kolačkovský Peter	Process improving by using methods of industrial engineering
Kožuškanič Miroslav	Innovation of assembly systems
Lengyelová Katarína	Visualization of production systems
Ondášová Katarína	Performance evaluation of enterprises with modern tools
Oreško Lukáš	Innovation of maintenance through application of WCM system
Ošust Vojtech	Analysis of contraints in industrial company
Rindoš Alexander	Logistics activities optimization of enterprise in software module Plant Simulation
Sabo Lukáš	Project of the quality management system in the company
Szeman Kristián	Material flow of medium serial production
Šanta Marián	Management of industrial enterprises
Tabaka Matúš	Effectiveness of production equipment utilization in selected enterprise
Tóthová Timea	Innovation in the structure of manufacturing workplace
Vaľko Dávid	Inventory management systems
Vasiľko Matúš	Optimizing production flows
Veľký Tomáš	Redesign study at workplace
Vološinyi Lukáš	Evaluation of work productivity of employees in the logistics center
Vrbjarová Petra	Application of selected ergonomic methods in a company focused on the production of furniture
Walentinová Andrea	Increase of production efficiency in industrial company

Above mentioned Bachelor Students were supervised by the Institute of Management, Industrial and Digital Engineering, and succesfully graduated the study programe Technology and Innovations of Engineering Production.

MASTERS THESES:

Industrial Engineering

Albert Peter	Cost optimization in the production process
Antoničová Simona	Reverse FMEA application to guarantee the quality of the selected company
Arvaiová Silvia	Ergonomic criteria for optimizing of the production workplace
Bartko Radovan	The influence of selected support processes on production efficiency
Bérešová Štefánia	Elimination a waste of the production line for help of the simulation and using of method MUDA
Buliak Patrik	Implementation of project management in a specific project
Cienka Jana	Ergonomic improvement of manual workplace in a selected company
Čabalová Nikola	Optimization of warehouse space and material flow in the company
Čekľovská Natália	Design for Extension of Production System Using Innovative Methods
Demeter Martin	Innovative study of components production of selected product types
Dudra Lukáš	Feasibility study of factories of the future
Ďugelová Monika	Analysis of the impact of the production line layout changes on selected parameters
Filčáková Veronika	Evaluation of production quality of selected products
Filická Veronika	Evaluation of the financial situation in the industrial company
Gazdová Marianna	Optimization of material flow in production operation
Gondek Adam	Statistical methods used to reduce wasters in production
Horváthová Veronika	Rationalization of production processes by SW module TX Jack
Hrabovská Evelína	Performance improvement business process
Hudačinová Marcela	Optimization of production system in the Plant Simulation
Idesová Ivana	Conjoint analysis for the determine of the customer requirements
Járay Branislav	Study of manufacturing of electric motors
Klenotič Matej	Optimization of logistic flows in enterprise through software module Process Simulate
Komanická Michaela	The application of the concept of lean production in machinery enterprise
Kostolníková Dominika	The project study of the optical environment of the production workplace
Košárová Petra	Monitoring, evaluation and optimization the process of casting and processing of aluminum castings
Kramárová Anna	Proposal of optimal production system using Plant Simulation
Lancošová Katarína	Production efficiency improvement by Hoshin methodology and software Tecnomatix Plant Simulation
Macinská Katarína	Optimization of ergonomic conditions on the selected workplaces
Molnárová Daniela	Monitoring and Measurement of Performance Quality in the Production Unit
Novák Jozef	Solutions for Production Volume Growth at Engineering Company
Novák Vladimír	Project Draft of Production Systém Using Software Tools
Novotný Dušan	Modelling of production cells in the module Tecnomatix Process Designer
Ondáš Matúš	Information portal project of the Department of Industrial Engineering and Management
Ondira Jakub	Optimalization of logistic processes in selected companies through the module Process Simulate
Ondrejová Daniela	Implementation of industrial engineering methods to improve production processes
Palaščáková Nikola	Monitoring and optimization of technical equipment in the company
Polák Lukáš	Business process map
Pribyš Matúš	Reverse engineering methods for modelling prototypes of the selected company
Puškárová Jana	Increasing performance measurement systems using the R&R
Rakašová Monika	System of the work evaluation of assembling teams

Romaňák Vladimír	Innovative study of production optimization of selected product types
Smolnický Michal	Innovative project of production the dehumidifier
Solej Lukáš	Output characteristics optimization of the on the packaging line
Štefaňák Lukáš	Possibilities of using databases for more efficient disassembly
Štober Martin	Implementation of reengineering in the business activity
Thinchmidtová Daniela	The possibility of applying the Lean concept methods in the enterprise
Timuľáková Katarína	Optimization and automation the process of casting and processing of aluminum castings
Tomčo Marián	Modernization of machine equipment in the manufacturing company
Tomčová Dominika	Project study of reducers production and application in the solution of selected types of resources
Tomko Slavomír	Optimization of business processes in selected company
Tóthová Veronika	Software simulation of selected workplace and assessment of ergonomic and performance parameters
Vaňo Dávid	Optimization of selected product disassembly with use of non-traditional algorithms
Veliký Peter	Optimization of production systems for selected species product groups
Verčimáková Alexandra	Evaluation of ergonomic aspects of selected workplace in the company
Babič Marián	Methods and procedures of vision Industry 4.0
Bernátová Lívia	Redesign of Production Operation Using Innovative Methods
Dzurilla Ladislav	Device time management in the selected plant by world class manufacturing methodology
Fano Miroslav	Implementation of project management in a specific project study
Hingiszová Veronika	Trends in automation of accounting documents processing
Chlebana Peter	Digital factory creation throught SW module Process Simulate
Jarčuška Tomáš	Efficient Supply Chain Management
Ľubiščáková Zuzana	Rationalization of purchasing and procurement process in selected company
Manko Ladislav	Implementation of deviation analyses in investment controlling
Marton Ladislav	Increasing the efficiency of recovery and finalization of plastic waste in the company
Matoušek Daniel	Optimalization of material flow in the selected company
Matvejová Elena	Project for Extension of the Production Plant
Mesterová Slávka	Proposal of workplace layout in production company
Rusič Juraj	Management of final processes in relation to costumers
Ruščák Róbert	Increasing the service life and reliability of selected type equipments
Szapola Tomáš	Effective Communication and Re-engineering of Information Flow in the Company
Šebestová Eva	Application of innovative techniques in production through the WCM concept
Tomková Lucia	Determining the value of the company
Toporová Andrea	Financial condition of the automotive businesses
Tressa Tomáš	Implementing Project Solutions Using Innovative Methods
Zadžorová Norika	Mapping Process Capability In Customer Projects Management

PhD THESES:

Industrial Engineering

RESEARCH AT THE INSTITUTE

Area of research

- Integrated designing of production systems on the physical and virtual modelling base.
- Methods and techniques of experimental modeling of in-plant manufacturing and non-manufacturing processes

PROJECTS OF THE INSTITUTE

Title of the project	**University science park TECHNICOM for innovative applications with support of knowledge-based technology - Faculty of Mechanical Engineering TUKE.** - Activity A.3.3 Pilot systems in the engineering field. PP 3 Research, development and implementation centre for innovative research and development services for flexible technology and reconfigurable production.
Type of the project	EU project
Number of the project	**ITMS: 26220220182**
Main solutionist	prof. Ing. Jozef Kováč, CSc., doc. Ing. Peter Trebuňa,PhD., doc. Ing. Juraj Šebo, PhD., doc. Ing. Vladimír Rudy, PhD., Ing. Peter Malega, PhD.
Time period of the project	**2013-2016**
Annotation of the project	Specific goal is establishing a sustainable activities for design-research facility intended for support of product and technology innovation, optimalization of production processes and rapid reconfigurability of a production. Major areas includes: • Development, prototype production and testing of engineering products • Innovations of engineering products and technology • Optimalization of production and assembly processes • Development, prototype production, testing, optimalization and use of tools, instruments, forms and agents • Guidenance in case of optimalization of production processes and reconfiguration of production facilities, particularly with a focus on innovation level, competitiveness, material efficiency and environmental friendliness of industrial technological applications
Title of the project	**New project technologies for the creation and implementation of future factories**
Type of the project	VEGA
Number of the project	**1/0853/16**
Main solutionist	Dr.h.c. mult. prof. Ing. Jozef Mihok, PhD.
Time period of the project	**2016-2018**
Annotation of the project	The project is focused on research, development and implementation of new projects technologies for the creation and implementation of future factories. For the future factories is characteristic extreme flexibility in adapting to changing market requirements. Within this context are actual ideas, challenges and demands for change in strategy development,

	innovation and design of new business concepts, production factories, production processes, systems, and the role of human factors in these systems, etc. Reference approaches are particular approaches presented in strategies Industrie 4.0, Cyber-Physische Systeme and Smart Fabrics.Decentralized, flexible, modular and autonomous, sophisticated and automated production systems are necessary to integrate into a well cooperative network of factories and enterprises with significant support of the new management principles. In connection with expected future changes, the project deals with research and development of innovative methods, processes, techniques and systems.
Title of the project	**Controlling innovation of the industrial companies for the sustaining and improving their competitiveness**
Type of the project	VEGA
Number of the project	**1/0741/16**
Main solutionist	doc. Ing. Jaroslava Kádárová, PhD.
Time period of the project	**2016-2018**
Annotation of the project	A prerequisite for positive structural changes and convergence of the Slovak economy are competitive and successful innovating companies. Innovations increase competitiveness of enterprises in the long term support dynamic growth of their market value. The project aims to assess the economic progress and results of the innovation processes in industrial plants and assessing the impact of innovation on competitiveness of enterprises implementing them. The methodology will be based on strategic and operational controlling methods and tools that support innovation management in the enterprises.
Title of the project	**Development of a new research methods for simulation, assessment, evaluation and quantification of advanced methods of production**
Type of the project	VEGA
Number of the project	**1/0708/16**
Main solutionist	doc. Ing. Peter Trebuňa, PhD.
Time period of the project	**2016-2019**
Annotation of the project	The present project aims to put the application methods of experimental testing and simulation models as well as the development of new methods of examination and analysis of internal processes, the use of new diagnostic methods for the evaluation of advanced techniques. The fundamental aim of the project is to increase the competitiveness of products and production engineering industry, which requires further substantial increase in the educational level to creative research, development and manufacturing in general and graduates of all levels of study of engineering disciplines and preventing adverse situations during the operation and the existence of engineering companies. The above objectives would contribute to averting the development of unexpected situations in the manufacturing sector even before the moment of their creation. This is the main objective of the proposed project and to contribute should the results of basic research into the proposed project-oriented manufacturing sector.
Title of the project	**Educational and training workplace of innovative development and implementation of business processes and systems**

Type of the project	KEGA
Number of the project	**029TUKE-4/2016**
Main solutionist	prof. Ing. Jozef Kováč, CSc.
Time period of the project	**2016-2018**
Annotation of the project	Project is focused on implementation of educational and training center of innovative development and implementation of business processes and systems in terms of the Department of Industrial Engineering and management, in the field of SjJ 5.2.52 Industrial Engineering, degree program in Industrial engineering. The aim of the project is to promote not only the acquisition of knowledge, innovative thinking but also practical (experiential) basic skills of students of graduate study and external candidates from practice. Training activities focused on the design, optimization and implementation of business processes and systems across the value chain, in real or modelling laboratory and workshop environment is an important development trend of educational processes. The aim of the solution is also expanding the existing theoretical and practical training through the use of new methods.

PUBLICATIONS

Monographs

[1] KÁDÁROVÁ, Jaroslava - MARKOVIČ, Jaromír - LOBANOVÁ, Halina - PERMINOVÁ, Oľga - MIHOK, Jozef: **Korporativnoe upravlenie v usloviach krizisa** / - 1. vyd - Iževsk : IŽGTU M.T. Kalašnikova - 2016. - 239 p.. - ISBN 978-5-7526-0727-1.

[2] KOVÁČ, Jozef – RUDY Vladimír – KOVÁČ Juraj: **Automatizácia výroby**. Edícia vedeckej a odornej literatúry. SjF TU v Košiciach. 2015. 275 s. – ISBN 978-80-553-2311-4

Current Content Journals

[1] STRAKA, Martin - TREBUŇA, Peter - ROSOVÁ, Andrea - MALINDŽÁKOVÁ, Marcela - MAKYSOVA, Helena: **Simulation of the process for production of plastics films as a way to increase the competitiveness of the company** / - 2016. In: Przemysl chemiczny. Vol. 95, no. 1 (2016), p. 37-41. - ISSN 0033-2496.

[2] KOTTFER, Daniel - FERDINANDY, Milan - KACZMAREK, Lukasz - TREBUŇA, Peter - HVIZDOŠ, Pavol: **The study of selected properties of Ti EB PVD coating deposited onto inner tube surface at low temperature** / - 2016. In: Archives of Metallurgy and Materials. Vol. 61, no. 1 (2016), p. 67-74. - ISSN 1733-3490.

[3] STRAKA, Martin - MALINDŽÁKOVÁ, Marcela - ROSOVÁ, Andrea - TREBUŇA, Peter: **The simulation model of the material flow of municipal waste recovery** / - 2016. In: Przemysł Chemiczny. Vol. 95, no. 4 (2016), p. 773-777. - ISSN 0033-2496.

[4] STRAKA, Martin - CEHLÁR, Michal - KHOURI, Samer - TREBUŇA, Peter - ROSOVÁ, Andrea - MALINDŽÁKOVÁ, Marcela: **Asbestos exposure and minimization of risks at its disposal by applying the principles of logistics** / - 2016. In: Przemysł chemiczny. Vol. 95, no. 5 (2016), p. 963-970. - ISSN 0033-2496.

[5] TREBUŇA, Peter - STRAKA, Martin - ROSOVÁ, Andrea - MALINDŽÁKOVÁ, Marcela - MAKYŠOVÁ, Helena: **Design of colored Petri net models for streamlining of chemical production** / - 2016. In: Przemysł Chemiczny. Vol. 95, no. 7 (2016), p. 1300-1303. - ISSN 0033-2496.

[6] STRAKA, Martin - TREBUŇA, Peter - MALINDŽÁKOVÁ, Marcela - ROSOVÁ, Andrea - POPOVIČ, Radko - FILL, Maroš: **Logistics and chemical technology as effective means for the collection and treatment of biodegradable wastes** / - 2016. In: Przemysł□□□ chemiczny. Vol. 95, no. 8 (2016), p. 1549-1553. - ISSN 0033-2496.

Journals

[1] TREBUŇA, Peter - PETRIKOVÁ, Andrea - PEKARČÍKOVÁ, Miriam: **Innovative Solutions of Rapid Prototyping Using Two Types of Devices—3D Printer Dimension and 3D Printer Fortus 400mc** / - 2016. In: International Journal of Mechanical Engineering and Automation. Vol. 3, no. 2 (2016), p. 55-60. - ISSN 2333-9187 Spôsob prístupu: http://www.ethanpublishing.com/index.php?m=content&c=index&a=show&catid=245&id=639.

[2] TREBUŇA, Peter - PETRIKOVÁ, Andrea - PETRIK, Marián: **Innovation of Production Line in Processing Industry for Selected Product** / - 2016. In: International Journal of Mechanical Engineering and Automation. Vol. 3, no. 2 (2016), p. 61-65. - ISSN 2333-

9179 Spôsob prístupu: International Journal of Mechanical Engineering and Automation.

[3] KLEINOVÁ, Jana - VYSKOČILOVÁ, Tereza - KAMARYT, Tomáš - KOBULNICKÝ, Ján: **The ergonomic rationalization in automotive** / - 2016. In: Interdisciplinarity in Theory and Practice. No. 9 (2016), p. 104-109. - ISSN 2344-2409 Spôsob prístupu: http://www.itpb.eu/index.php/ct-menu-item-3/14-engineering/276-9-cislo-20-clanok.

[4] MALEGA, Peter - JANEKOVÁ, Jaroslava - KOVÁČ, Jozef: **Innovation project of mobile phone cover** / - 2016. In: Interdisciplinarity in theory and practice. No. 9 (2016), p. 5-9. - ISSN 2344-2409.

[5] MALEGA, Peter: **Application of dmaic cycle for improvement of drilling process in the company** / - 2016. In: Interdisciplinarity in theory and practice. no. 10 (2016), p. 88-93. - ISSN 2344 - 2409.

[6] DEMEČKO, Michal - MARTINOVSKÝ, Michal: **Lean Healthcare** / - 2016. In: Strojírenská technologie. Vol. 21, no. 1 (2016), p. 10-14. - ISSN 1211-4162.

[7] RUDY, Vladimír - JANEKOVÁ, Jaroslava: **Support of design of production systems using a virtual reality** / - 2016. In: Interdisciplinarity in Theory and Practice : Journal for Presentation of Interdisciplinary Approaches in Various Fields. No. 10 (2016), p. 17-20. - ISSN 2344-2409.

[8] ŠEBO, Juraj - ŠEBOVÁ, Miriam: **Weaknesses of Genetic Algorithms with Precedence Preservative Crossover and Mutation in Disassembly** / - 2016. In: International Journal of Industrial Engineering and Management. Vol. 7, no. 3 (2016), p. 129 - 134. - ISSN 2217-2661 Spôsob prístupu: https://www.iim.ftn.uns.ac.rs/previousissues/36-volume-7-2016?start=10.

[9] SABADKA, Dušan - PETRIKOVÁ, Andrea: **Specifics of industry 4 development in the context of automobile production** / - 2016. In: Interdisciplinarity in Theory and Practice. No. 10 (2016), p. 32-37. - ISSN 2344-2409.

[10] ONOFREJOVÁ, Daniela: **Capacity importance while changing production volume in series and mass production** / - 2016. In: Interdisciplinarity in Theory and Practice. No. 11 (2016), p. 1-4. - ISSN 2344-2409 Spôsob prístupu: http://www.itpb.eu/index.php/ct-menu-item-3/14-engineering/359-11-cislo-clanok-3.

[11] TREBUŇA, Peter - POPOVIČ, Radko: **Riadenie spotreby energie v digitálnom podniku** / - 2016. In: Strojárstvo Extra. Roč. 20, č. 2 (2016), s. 88-89. - ISSN 1335-2938.

[12] PEKARČÍKOVÁ, Miriam - TREBUŇA, Peter - MARKOVIČ, Jaromír: **Využtie analýz pri optimalizácii pracovísk pomocou softvérového produktu Tecnomatix Jack** / - 2016. In: Strojárstvo Extra. Roč. 20, č. 2 (2016), s. 80-81. - ISSN 1335-2938.

[13] TREBUŇA, Peter - SABADKA, Dušan - PETRIKOVÁ, Andrea: **Performance evaluation indicators of university spin – off companies** / - 2016. In: Acta Simulatio. Roč. 1, č. 4 (2016), s. 17-23. - ISSN 1339-9640 Spôsob prístupu: http://www.actasimulatio.eu/index.php?stranka=2015_04.

[14] TREBUŇA, Peter - PEKARČÍKOVÁ, Miriam - PETRIKOVÁ, Andrea - POPOVIČ, Radko - KLIMENT, Marek: **Material flow optimization through modelling and simulation in the software tool Tx Plant Simulation** / - 2016. In: Acta Simulatio. Roč. 2, č. 2 (2016), s. 1-10. - ISSN 1339-9640 Spôsob prístupu: http://www.actasimulatio.eu/issues/2016/II_2016_01_Trebuna_Pekarcikova_Petrikova_Popovic_Kliment.pdf.

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[17] MALEGA, Peter: **Supplier quality assurance – step to competitive advantage** / - 2016. In: Acta Logistica. Roč. 3, č. 2 (2016), s. 15-19. - ISSN 1339-5629.

[18] MALEGA, Peter - CIBUĽOVÁ, Blažena: **Riadenie logistického reťazca v podniku a jeho optimalizácia** / - 2016. In: Transfer inovácií. Č. 33 (2016), s. 49-53. - ISSN 1337-7094 Spôsob prístupu: http://www.sjf.tuke.sk/transferinovacii/pages/archiv/transfer/33-2016/pdf/049-053.pdf.

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[21] DOMINIK, Lukáš - FRANKOVSKÝ, Peter - GMITERKO, Alexander - KELEMEN, Michal - TREBUŇA, Peter: **Digital Tracking Control of Precision Motion Servosystem** / - 2016. In: Acta Mechatronica. Roč. 1, č. 3(2016), s. 7-10. - ISSN 2453-7306 Spôsob prístupu: http://actamechatronica.eu/.

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