

Riešiteľ	JANÍKOVÁ Dominika
Pozícia na projekte	Vedecko-výskumný pracovník
Vedecké identifikátory	WoS (Researcher ID): BBC-1208-2021, Scopus (AuthorID): 53663710500, ORCID:
Vedecké zameranie	datamining, analýza dát, simulácia a modelovanie v interdisciplinárnych oblastiach výskumu
Publikačná činnosť s ohlasmí (aktuálne k 31.10.2022)	
V1 Vedecký výstup publikačnej činnosti ako celok	
V1_01	JUROVATÁ, Dominika. <i>Využitie procesu získavania znalostí v oblasti plánovania a riadenia výrobných procesov [elektronický zdroj]</i> . 1. vyd. Trnava : AlumniPress, 2014. online, 95 s. Dostupné na internete: < http://www.mtf.stuba.sk/docs/doc/veda_a_vyskum/monografie/VM_Jurovata.pdf >< https://is.stuba.sk/vv/pub_priloha.pl?id=297306 >. ISBN 978-80-8096-199-2. Kategória publikácie do 2021: AAB
V2 Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka	
V2_01	JUROVATÁ, Dominika - VAŽAN, Pavel - KEBÍSEK, Michal - TANUŠKA, Pavol - HRČKA, Lukáš. Prediction of selected production goals by classification methods. In <i>Applied Mechanics and Materials : Novel Trends in Production Devices and Systems</i> . Vol. 474 (2014), s. 115-120. ISSN 1660-9336 (2014: 0.149 - SJR, Q3 - SJR Best Q). V databáze: WOS ; SCOPUS. Kategória publikácie do 2021: AEC Ohlasy: 1. [1] MICHALIK, Peter - POLAČKOVÁ, Simona - ZOLOTOVÁ, Iveta. Analysis of data from the monitoring environment to improve IT processes. In <i>Proceedings of the IEEE 19th International Conference on Intelligent Engineering Systems</i> , September 3-5, 2015, Bratislava [elektronický zdroj] : INES 2015. 1. vyd. [s.l.] : IEEE, 2015, S. 427-433. ISBN 978-1-4673-7938-0., Registrované v: WOS, SCOPUS Ohlas: zahraničný
V2_02	JUROVATÁ, Dominika - VAŽAN, Pavel - HRČKA, Lukáš - KURNÁTOVÁ, Júlia. Input control in production system by simulation optimization. In <i>Applied Mechanics and Materials : Novel Trends in Production Devices and Systems II. Special topic volume with invited peer reviewed papers only</i> . Vol. 693 (2014), s. 117-122. ISSN 1660-9336 (2014: 0.149 - SJR, Q3 - SJR Best Q). V databáze: SCOPUS. Kategória publikácie do 2021: AEC
V3 Vedecký výstup publikačnej činnosti z časopisu	
V3_01	BAJČÍČKOVÁ, Ingrida - JUROVATÁ, Dominika. The verification of influence of the point "C" position from given interval to solving systems with high-speed feedback. In <i>Vedecké práce MTF STU v Bratislave so sídlom v Trnave. Research papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava</i> . Vol. 23, Special Number (2015), s. 7-18. ISSN 1336-1589. V databáze: INSPEC. Kategória publikácie do 2021: ADF
V3_02	BILČÍK, Michal - STRÉMY, Maximilián - JANÍKOVÁ, Dominika - HORVÁTH, Dušan. Virtual control object for siemens logic controllers and online PLC education. In <i>Vedecké práce MTF STU v Bratislave so sídlom v Trnave. Research papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava</i> . Vol. 29, no. 49 (2021), s. 7-14. ISSN 1336-1589. V databáze: INSPEC ; DOI: 10.2478/rput-2021-0019. Typ výstupu: článok; Výstup: domáci; Kategória publikácie do 2021: ADF
V3_03	JAKÁBOVÁ, Martina - JUROVATÁ, Dominika - BEŇO, Rastislav - DOHNÁLOVÁ, Simona - ZELENAY, Tomáš. Tvorba e-learningových materiálov pre koncept "Digitálny podnik". In <i>Fórum manažéra</i> . Roč. 10, č. 1 (2014), s. 29-35. ISSN 1336-7773. Kategória publikácie do 2021: ADF
V3_04	JUROVATÁ, Dominika. Komparatívna štúdia simulačných nástrojov Plant Simulation a Witness. In <i>Fórum manažéra</i> . Roč. 10, č. 1 (2014), s. 21-28. ISSN 1336-7773. Kategória publikácie do 2021: ADF Ohlasy: 1. [2] BAKO, Branislav - BOŽEK, Pavol - KŇAŽÍK, Marek. New possibilities of utilizing a computer simulation in production processes optimization. In <i>Technological Forum 2016 : 7th International technical conference</i> , 28. - 30. 6. 2016, Červenohorské Sedlo, Czech Republic. 1. vyd. Jaroměř : TISK AS, 2016, S. 9-15. ISBN 978-80-87583-17-3. Ohlas: zahraničný
V3_05	TANUŠKA, Pavol - VAŽAN, Pavel - KEBÍSEK, Michal - JUROVATÁ, Dominika. Knowledge discovery from production databases for hierarchical process control. In <i>World Academy of Science, Engineering and Technology</i> . Iss. 83 (2013), s.972-977. ISSN 2010-376X (2013: 0.127 - SJR, Q4 - SJR Best Q). Kategória publikácie do 2021: ADE
V3_06	VAŽAN, Pavel - JUROVATÁ, Dominika - HRČKA, Lukáš - DANEK, Maroš. Modelling the traffic system. In <i>Vedecké práce MTF STU v Bratislave so sídlom v Trnave. Research papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava</i> . Vol. 22, No. 35 (2014), s. 31-38. ISSN 1336-1589. V databáze: INSPEC. Kategória publikácie do 2021: ADF

P1 Pedagogický výstup publikačnej činnosti ako celok

- P1_01 VAŽAN, Pavel - JUROVATÁ, Dominika - KRIŽANOVÁ, Gabriela - BUDINSKÁ, Ivana - LUPTÁK, Vladimír - ŠKAMLA, Michal - HAMERNÍK, Peter. *Modelovanie a simulácia systémov. Simulátor Witness : Návod na cvičenia*. 1. vyd. Trnava : AlumniiPress, 2012. 173 s. Dostupné na internete: <https://is.stuba.sk/auth/dok_server/dokumenty_cteni.pl?id=71208;on=8;dok=70188;serializace=57020861:1665641781:1516:user:6e6286b1c97d5d02d375c9f6b748e96be46721e1>. ISBN 978-80-8096-160-2.
Kategória publikácie do 2021: BCI
Ohlasy:
1. [1] JAVOROVÁ, Angela - KUSÁ, Martina - MATÚŠOVÁ, Miriam. Flexible Assembly Cell Optimization by Operational Analysis. In *Applied Mechanics and Materials : 3rd Central European Conference on Logistics (CECOL 2012)*, November 28 -30, 2012, Trnava, Slovak Republic, 2013, vol. 309, s.55-61. ISBN 978-3-03785-636-9. V databáze: SCOPUS ; WOS., Registrované v: SCOPUS, WOS
Ohlas: zahraničný
2. [2] MATÚŠOVÁ, Miriam - KUSÁ, Martina - JAVOROVÁ, Angela. Analysis of the shelf storage of flexible assembly cell by witness software. Osijek : Josip Juraj Strossmayer University of Osijek, 2012In *TEAM 2012 : Proceedings of 4th International Scientific and Expert Conference of the International TEAM Society (Technique, Education, Agriculture & Management)*. Slavonski Brod, 17th -19th October 2012, Croatia, s.103-106.
Ohlas: zahraničný
3. [2] ONOFREJOVÁ, Daniela - KOVÁČ, Jozef. Processing the experimental data from simulation model of the production operation. In *Applied Mechanics and Materials*. Vol. 816, 2015 (), s. 509-513. ISSN 1660-9336.
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Ohlas: zahraničný
5. [1] MATUSOVA, Miriam - HRUSKOVA, Erika. APPLYING THE COMPUTER AIDED SYSTEMS IN EDUCATION PROCESS. In *MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING*, 2019, vol. 27, no. 1, pp. 46-50. ISSN 2299-0461., Registrované v: WOS, SCOPUS
Ohlas: zahraničný
6. [1] ONOFREJOVA, D. - JANEKOVA, J. - GRINCOVA, A. - SOLTYSOVA, Z. Simulation and evaluation of production factors in manufacturing of fireplaces. In *International Journal of Simulation Modelling*, 2020, 19, 1, pp. 77-88. ISSN 17264529., Registrované v: SCOPUS, WOS, CC
Ohlas: zahraničný

O1 Odborný výstup publikačnej činnosti ako celok

- O1_01 VAŽAN, Pavel - JURINOVÁ, J. - JUROVATÁ, Dominika. *Algoritmy a dátové štruktúry I*. Trnava : Qintec s.r.o., 2010. 115 s. ISBN 978-80-969846-7-1.
Kategória publikácie do 2021: BAB

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- _01 DOHNÁLOVÁ, Simona. *Návrh na zlepšenie výrobného procesu vo firme MIBA STEELTEC s.r.o.* 2016. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=118490>.
- _02 GALBIČKA, Ondrej. *Komparatívna štúdia spôsobov určovania veľkosti výrobných dávky*. Trnava : STU v Bratislave MTF UIAM, 2014. 85s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=98641>.
- _03 HLADÍK, Marián. *E-learningová podpora pre simulátor Witness*. Trnava : STU v Bratislave MTF UIAM, 2014. 43s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=87423>.
- _04 HOLOTA, Michal. *Multimediálna aplikácia pre podporu výučby*. Trnava : STU v Bratislave MTF UIAM, 2013. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=78770>.
- _05 IRINGOVÁ, Miriam - VAŽAN, Pavel - JUROVATÁ, Dominika. The Evaluation of Priority Rules in Operations Scheduling. In *Applied Mechanics and Materials : 2nd International Conference on Mechanical and Aerospace Engineering (ICMAE 2011), Bangkok, 29-31 Júl 2011*. Vol. 110-116 (2012), s.4004-4012. ISSN 1660-9336 (2012: 0.125 - SJR, Q4 - SJR Best Q). V databáze: WOS ; SCOPUS.
Kategória publikácie do 2021: AFC
- _06 IRINGOVÁ, Miriam - VAŽAN, Pavel - JUROVATÁ, Dominika. The Evaluation of Priority Rules in Operations Scheduling. In *MIIMT 2011 : 2nd International Conference on Mechanical, Industrial and Manufacturing Technologies, 26-28 February 2011, Singapore*. Chengdu : IEEE, 2011, s.V2-194 - V2-198. ISBN 978-1-4244-9265-7.
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Ohlasy:
1. [1] BUDINSKÁ, Ivana - KASANICKÝ, Tomáš - ZELENKA, Ján. Production planning and scheduling by means of artificial immune systems and particle swarm optimisation algorithms. In *International Journal of Bio-Inspired Computation*, 2012, vol. 4, iss. 4, s.237-248.
Ohlas: zahraničný
2. [1] ZELENKA, J. - BUDINSKÁ, I. - DIDEKOVÁ, Zuzana. A Combination of Heuristic and Non-Heuristic Approaches for Modified Vehicle Routing Problem. Piscataway : IEEE, 2012In *LINDI 2012 : 4th IEEE International Symposium on Logistics and Industrial Informatics*. Smolenice, Slovakia, September 5-7, 2012, s.107-112. ISBN 978-

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Ohlas: zahraničný

3. [1] Zelenka, Ján - Dideková, Zuzana. Cost balancing act of vehicle number to solve the Vehicle Routing Problem with time windows. In INES 2013 IEEE 17th International Conference on Intelligent Engineering Systems, Proceedings, 2013, pp. 293-299., Registrované v: SCOPUS

Ohlas: zahraničný

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IRINGOVÁ, Miriam - VAŽAN, Pavel - KOTIANOVÁ, Janette - JUROVATÁ, Dominika. The Comparison of Selected Priority Rules in Flexible Manufacturing System. In *Lecture Notes in Engineering and Computer Science : World Congress on Engineering and Computer Science 2012. Proceedings IAENG & IET. San Francisco, USA, 24-26 October, 2012.* s.1316-1321. ISSN 2078-0958 (2012). V databáze: WOS ; SCOPUS.

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1. [2] DELGADO SOBRINO, Daynier Rolando. Material Flow and Layout: An Integrative Analysis. 1. vyd. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2016. 93 s. ISBN 978-80-7380-600-2.

Ohlas: zahraničný

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Ohlas: zahraničný

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4. [1] BUDIYANTORO - KERLOOZA, Y. Priority Strategy in Clothing Production Scheduling Using Mathematics Model. In IOP Conference Series: Materials Science and Engineering, 2018, 407, 1, pp. ISSN 17578981., Registrované v: SCOPUS

Ohlas: zahraničný

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JANÍKOVÁ, Dominika - BEZÁK, Pavol. Prediction of production line performance using neural networks. In *Artificial Intelligence and Pattern Recognition (AIPR 2016) [elektronický zdroj] : the third International conference on Artificial Intelligence and Pattern Recognition (AIPR 2016), September 19-21, 2016, Lodz University of Technology, Poland.* 1. vyd. [b.m.] : IEEE, 2016, CD-ROM, s. 59-63. ISBN 978-1-4673-9186-3. V databáze: WOS: WOS:000386686500011 ; SCOPUS.

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Ohlasy:

1. [1] AKA, Salih - AKYUZ, Gokhan. Improvement of Manufacturing Processes by Artificial Neural Networks Analysis. In EGE ACADEMIC REVIEW, 2018, vol. 18, no. 2, pp. 261-271. ISSN 1303-099X., Registrované v: WOS

Ohlas: zahraničný

2. [1] MATANA, Gleison - SIMON, Alexandre - FILHO, Moacir Godinho - HELLENO, André. Method to assess the adherence of internal logistics equipment to the concept of CPS for industry 4.0. In International Journal of Production Economics, 2020, 228, pp. ISSN 09255273., Registrované v: SCOPUS, WOS, CC

Ohlas: zahraničný

3. [1] ZHANG, Lingjuan - REN, Jianqiang. An energy efficiency monitoring method based on intelligent model. In Energy Reports, 2021, 7, pp. 1214-1220., Registrované v: SCOPUS, WOS, CC

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4. [1] KEHRER, Mario - LOCKE, Marc - OFFERMANN, Christian - HEIMES, Heiner - KAMPKER, Achim. Analysis of Possible Reductions of Rejects in Battery Cell Production during Switch-On and Operating Processes. In ENERGY TECHNOLOGY, 2021, vol. 9, no. 7, pp. ISSN 2194-4288., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

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JUROVATÁ, Dominika. *Hodnotenie výkonnosti výrobnéj linky kufrového obloženia pomocou simulácie.* STU v Bratislave MTF UIAM, 2010. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=75044>.

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JUROVATÁ, Dominika - KEBÍSEK, Michal - KURNÁTOVÁ, Júlia. Application of Knowledge Discovery in Databases Process in the Production Systems. In *CECIS : Conference Proceedings, September 19th - 21st, 2012, Varaždin, Croatia.* s.37-42. ISSN 1847-2001(P).

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- _11 JUROVATÁ, Dominika - KURNÁTOVÁ, Júlia - LEY, Sebastian - LAQUA, Daniel - VAŽAN, Pavel - HUSAR, Peter. Simulation of photon propagation in tissue using Matlab. In *IDS 2013. International Doctoral Seminar 2013 [elektronický zdroj] : Proceedings of the 8th International Doctoral Seminar (IDS 2013), Dubrovnik, 13 - 15 May 2013*. Zagreb : University of Zagreb, 2013, s.CD-ROM, p. 140-146. ISBN 978-953-6071-40-1.
Kategória publikácie do 2021: AFC
Ohlasy:
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Ohlas: zahraničný
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Ohlas: zahraničný
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Ohlas: zahraničný
4. [1] HERRMANN, Bert H. - HORNBERGER, Christoph. Monte-Carlo simulation of light tissue interaction in medical hyperspectral imaging applications. In *Current Directions in Biomedical Engineering*, 2018, 4, 1, pp. 275-278., Registrované v: SCOPUS
Ohlas: zahraničný
- _12 JUROVATÁ, Dominika. *Získavanie znalostí pre plánovanie a riadenie výrobných procesov : dizertačná práca*. Trnava : STU v Bratislave MTF UIAM, 2013. 90 s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=78524>.
Kategória publikácie do 2021: DAI
- _13 JUROVATÁ, Dominika - BAJČIČÁKOVÁ, Ingrida - NÉMETH, Martin - TANUŠKA, Pavol - VAŽAN, Pavel. Research project focused on knowledge discovery for hierarchical control of technological and production processes. In *Central European Conference on Information and Intelligent Systems : IDS 2015. 10th International Doctoral Seminar. Varaždin, Croatia, 23.-25. 9. 2015*. 1.st. ed. Varaždin : Faculty of Organization and Informatics University of Zagreb, 2015, S. 23-26. ISSN 1847-2001.
Kategória publikácie do 2021: AFC
- _14 KURNÁTOVÁ, Júlia - JUROVATÁ, Dominika - VAŽAN, Pavel. Evaluation of strategies control of production system. In *CECIS : Conference Proceedings, September 19th - 21st, 2012, Varaždin, Croatia*. s.43-48. ISSN 1847-2001(P).
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Ohlasy:
1. [2] DELGADO SOBRINO, Daynier Rolando. *Material Flow and Layout: An Integrative Analysis*. 1. vyd. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2016. 93 s. ISBN 978-80-7380-600-2.
Ohlas: zahraničný
- _15 MARKECHOVÁ, Iveta - STÚPALOVÁ, Hana - JUROVATÁ, Dominika. Physics & geometry: an unique optics for introductory dynamical systems knowledge. In *ICL 2012 [elektronický zdroj] : 15th International Conference on Interactive Collaborative Learning and 41st International Conference on Engineering Pedagogy, 26 - 28 September, Villach, Austria*. Piscataway : IEEE, 2012, s.[4]. ISBN 978-1-4673-2426-7. V databáze: SCOPUS ; WOS ; IEEE.
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- _16 PIŠTEKOVÁ, Gabriela. *Zlepšenie procesu výroby okien*. Trnava : STU v Bratislave MTF UIAM, 2014. 81s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=98598>.
- _17 ROLINEC, Matúš. *Určenie optimálnej výrobnéj dávky pre vybraný výrobný systém*. Trnava : STU v Bratislave MTF UIAM, 2014. 87s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=98557>.
- _18 ŠKAMLA, Michal - JUROVATÁ, Dominika - VAŽAN, Pavel. The influence of priority rules on production goals. In *Aktuálny problémy i inovácii v ekonomike, upravlennii, obrazovanii, informacionnykh technologijach : Materialy meždunarodnoj naučnoj konferencii, Stavropol'-Kislovodsk, 3-7 maja 2011*. s.78-82. ISSN 2074-1685.
Kategória publikácie do 2021: AFC
- _19 TIBENSKÝ, Peter. *Simulácia logistického procesu COOP VOZ a.s.* Trnava : STU v Bratislave MTF UIAM, 2014. 70s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=98542>.
- _20 VACULA, Juraj. *Využitie vybraného nástroja Business Intelligence na analýzu dát a prípravu reportov*. Trnava : STU v Bratislave MTF UIAM, 2014. 45s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=94600>.
- _21 VAŽAN, Pavel - MORAVČÍK, Oliver - JUROVATÁ, Dominika - JURÁKOVÁ, Anna. Simulation optimization as a method for lot size determination. In *International Conference on Graphic and Image Processing (ICGIP 2011) : Proceedings of SPIE, O277-786X, Volume 8285. 1-2 October 2011, Cairo, Egypt* : SPIE - The International Society for Optical Engineering, 2011, s.[6].

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_24 VAŽAN, Pavel - ŠKAMLA, Michal - JUROVATÁ, Dominika - LUPTÁK, Vladimír. Effect of selected priority rules on manufacturing objectives in scheduling. In *Advanced Materials Research : 2012 2nd International Conference on Key Engineering Materials, ICKEM 2012, Singapore, 26-28 February 2012*. Vol. 488-489 (2012), s.1125-1129. ISSN 1022-6680 (2012: 0.135 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS.
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