

TECHNICKÁ UNIVERZITA V KOŠICIACH
STROJNÍCKA FAKULTA

Katedra priemyselnej automatizácie a mechatroniky



**Zoznam pôvodných publikovaných vedeckých prác,
odborných prác, učebníc a učebných textov**

doc. Ing. Ivan Virgala, PhD.

Košice 2022

Skupina A1 (do 31.1.2022) - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)

Počet záznamov: 1

AAB - Vedecké monografie vydané v domácich vydavateľstvách (1)

Skupina A2 (do 31.1.2022) - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, CAA, CAB, EAI, EAJ, FAI)

Počet záznamov: 11

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (8)

BCI – Skriptá a učebné texty (2)

FAI - Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) (1)

Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)

Počet záznamov: 32

ADC - Vedecké práce v zahraničných karentovaných časopisoch (19)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (11)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (2)

Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)

Počet záznamov: 139

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (46)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (29)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (14)

AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách (2)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (15)

AFD - Publikované príspevky na domácich vedeckých konferenciách (29)

BDF - Odborné práce v domácich nekarentovaných časopisoch (2)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (2)

Skupina Patenty (do 31.1.2022) - Patentové prihlášky, prihlášky úžitkových vzorov, prihlášky dizajnov, prihlášky ochranných známok,... (AGJ)

Počet záznamov: 16

AGJ - Autorské osvedčenia, patenty, objavy (16)

Skupina Ostatné (do 31.1.2022) - mimo kategórií MŠVVaŠ SR (AFK, AFL, AGI, BGG, CAI, CAJ, CGC, CGD, CIA, CIB, CJA, CJB, CKA, CKB, DAI, EDJ, GAI, GHG, GII, CEC, CED, EDI)

Počet záznamov: 4

AGI - Správy o vyriešených vedeckovýskumných úlohách (2)

GII - Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (2)

Záznamy v kategóriách od 1.2.2022

Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)

Počet záznamov: 11

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (5)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (6)

Počet záznamov spolu: 214

Menný zoznam publikácií:

AAB - Vedecké monografie vydané v domácich vydavateľstvách (1)

AAB001 [178786] **Vnorené systémy** / Ivan Virgala ... [et al.] - 1. vyd - Košice : TU, SJF - 2016. - 199 s. - ISBN 978-80-553-3063-1.

[VIRGALA, Ivan (30%) - KELEMEN, Michal (10%) - MIKOVÁ, Ľubica (30%) - LIPTÁK, Tomáš (30%)]

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (8)

ACB001 [132267] **Meranie v mechatronike** / Michal Kelemen ... [et al.] - 1. vyd. - Košice : TU - 2013. - 146 s.. - ISBN 978-80-553-1388-7.

[KELEMEN, Michal (13%) - PUŠKÁR, Michal (37%) - VIRGALA, Ivan (13%) - MIKOVÁ, Ľubica (37%)]

ACB002 [145813] **Mikroprocesorová technika 1** / Ivan Virgala, Michal Kelemen - 1. vyd. - Košice : TU - 2014. - 120 s.. - ISBN 978-80-553-1669-7.

[VIRGALA, Ivan (67%) - KELEMEN, Michal (33%)]

ACB003 [152730] **Informatika** / Michal Kelemen, Ľubica Miková, Ivan Virgala - 1. vyd. - Košice : TU - 2014. - 123 s.. - ISBN 978-80-553-1830-1.

[KELEMEN, Michal (1%) - MIKOVÁ, Ľubica (49%) - VIRGALA, Ivan (50%)]

ACB004 [154705] **Elektromechanické systémy 1** / Alexander Gmiterko ... [et al.] - 1. vyd. - Košice : TU - 2014. - 188 s.. - ISBN 978-80-553-1869-1.

[GMITERKO, Alexander (1%) - KELEMEN, Michal (1%) - VIRGALA, Ivan (40%) - PRADA, Erik (40%) - LIPTÁK, Tomáš (18%)]

ACB005 [179809] **Elektromechanické systémy 2** / Michal Kelemen, Tomáš Lipták, Ivan Virgala - 1. vyd - Košice : TU, SJF - 2016. - 184 s.. - ISBN 978-80-553-3105-8.

[KELEMEN, Michal (34%) - LIPTÁK, Tomáš (33%) - VIRGALA, Ivan (33%)]

ACB006 [189267] **Snímače a prevodníky** / Ivan Virgala ... [et al.] - 1. vyd - Košice : TU - 2017. - 183 s.. - ISBN 978-80-553-2879-9.

[VIRGALA, Ivan (24%) - MIKOVÁ, Ľubica (24%) - SUKOP, Marek (24%) - VAGAŠ, Marek (24%) - LIPTÁK, Tomáš (2%) - KELEMEN, Michal (2%)]

ACB007 [189265] **Mechatronika sústav** / Ľubica Miková ... [et al.] - 1. vyd - Košice : TU - 2018. - 149 s.. - ISBN 978-80-553-2912-3.

[MIKOVÁ, Ľubica (28%) - VIRGALA, Ivan (4%) - LIPTÁK, Tomáš (6%) - SUKOP, Marek (28%) - VAGAŠ, Marek (28%) - ŠARGA, Patrik (3%) - KELEMEN, Michal (3%)]

ACB008 [212965] **Programovací jazyk Java a vývojové prostredie NetBeans** / Ivan Virgala ... [et al.] - 1. vyd. - Košice : Technická univerzita v Košiciach - 2019. - 207 s. [CD-ROM]. - ISBN 9788055334677.

[VIRGALA, Ivan (36%) - KELEMEN, Michal (3%) - PUŠKÁR, Michal (36%) - PRADA, Erik (25%)]

ADC - Vedecké práce v zahraničných karentovaných časopisoch (19)

ADC001 [154550] **Miniature Mobile Bristled In-Pipe Machine** / Oskar Ostertag ... [et al.] - 2014.In: International Journal of Advanced Robotic Systems. Vol. 11 (2014), p. 1-9. - ISSN 1729-8806 Spôsob prístupu: http://www.intechopen.com/journals/volume/international_journal_of_advanced_robotic_systems/11/2014/1.

[OSTERTAG, Oskar (10%) - OSTERTAGOVÁ, Eva (30%) - KELEMEN, Michal (5%) - KELEMENOVÁ, Tatiana (20%) - BUŠA, Ján (15%) - VIRGALA, Ivan (20%)]

ADC002 [180107] **An inspection of pipe by snake robot** / František Trebuňa ... [et al.] - 2016.In: International Journal of Advanced Robotic Systems. Vol. 13, no. 5 (2016), p. 1-12. - ISSN 1729-8814
[TREBUŇA, František (20%) - VIRGALA, Ivan (20%) - PÁSTOR, Miroslav (20%) - LIPTÁK, Tomáš (20%) - MIKOVÁ, Ľubica (20%)]

ADC003 [180108] **A geometric approach to modeling of four- and five-link planar snake-like robot** / Tomáš Lipták ... [et al.] - 2016.In: International Journal of Advanced Robotic Systems. Vol. 13, no. 5 (2016), p. 1-9. - ISSN 1729-8814
Spôsob prístupu: <http://journals.sagepub.com/doi/abs/10.1177/1729881416663714>.
[LIPTÁK, Tomáš (33%) - VIRGALA, Ivan (20%) - FRANKOVSKÝ, Peter (20%) - ŠARGA, Patrik (20%) - GMITERKO, Alexander (5%) - BALOČKOVÁ, Lenka (2%)]

ADC004 [191838] **Modeling and control of two-link snake** / Tomáš Lipták ... [et al.] - 2018.In: International Journal of Advanced Robotic Systems. Vol. 15, no. 2 (2018), p. 1-13. - ISSN 1729-8814 Spôsob prístupu: <http://journals.sagepub.com/doi/pdf/10.1177/1729881418760638>.
[LIPTÁK, Tomáš (20%) - VIRGALA, Ivan (10%) - MIKOVÁ, Ľubica (20%) - GALAJDOVÁ, Alena (20%) - TULEJA, Peter (3%) - KOUKOLOVÁ, Lucia (3%) - VARGA, Jozef (4%) - SUKOP, Marek (20%)]

ADC005 [194520] **Influence of pipe geometric deviation on bristled in-pipe mobile robot locomotion** / Alena Galajdová ... [et al.] - 2018.In: International Journal of Advanced Robotic Systems. Vol. 15, no. 3 (2018), p. 1-8. - ISSN 1729-8814 Spôsob prístupu: <http://journals.sagepub.com/doi/10.1177/1729881418775808>.
[GALAJDOVÁ, Alena (20%) - VIRGALA, Ivan (20%) - KELEMEN, Michal (19%) - MIKOVÁ, Ľubica (20%) - LIPTÁK, Tomáš (1%) - KELEMENOVÁ, Tatiana (20%)]

ADC006 [200987] **A novel approach for a inverse kinematics solution of a redundant manipulator** / Michal Kelemen ... [et al.] - 2018.In: Applied Sciences. - Basel (Švajčiarsko) : MDPI Roč. 8, č. 11 (2018), s. 1-20 [online]. - ISSN 2076-3417 Spôsob prístupu: <https://www.mdpi.com/2076-3417/8/11/2229>.
[KELEMEN, Michal (28%) - VIRGALA, Ivan (25%) - LIPTÁK, Tomáš (1%) - MIKOVÁ, Ľubica (25%) - FILAKOVSKÝ, Filip (1%) - BULEJ, Vladimír (20%)]

ADC007 [215592] **Verification of the UR5 robot's properties after a crash caused by a fall of a transferred load from a crane** / Ján Semjon ... [et al.] - 2020.In: International Journal of Advanced Robotic Systems. - Viedeň (Rakúsko) : Technische Universität Wien Roč. 17, č. 1 (2020), s. 1-9 [print, online]. - ISSN 1729-8806 Spôsob prístupu: <https://doi.org/10.1177/1729881420904209>.
[SEMJON, Ján (20%) - JÁNOŠ, Rudolf (17%) - SUKOP, Marek (17%) - TULEJA, Peter (5%) - HAJDUK, Mikuláš (5%) - JURUŠ, Ondrej (1%) - MARCINKO, Peter (1%) - VIRGALA, Ivan (17%) - VAGAŠ, Marek (17%)]

ADC008 [217033] **Motion control of nonholonomic robots at low speed** / Ľubica Miková ... [et al.] - 2020.In: International Journal of Advanced Robotic Systems. - Viedeň (Rakúsko) : Technische Universität Wien Roč. 17, č. 1 (2020), s. 1-12 [print, online]. - ISSN 1729-8806 Spôsob prístupu: <http://dx.doi.org/10.1177/1729881420902554>.
[MIKOVÁ, Ľubica (27%) - GMITERKO, Alexander (1%) - KELEMEN, Michal (11%) - VIRGALA, Ivan (27%) - PRADA, Erik (27%) - HRONCOVÁ, Darina (6%) - VARGA, Martin (1%)]

ADC009 [219102] **Influence of biofuels on production of gaseous emission from diesel engine with regard to air quality** / Michal Puškár ... [et al.] - 2020.In: Air Quality, Atmosphere and Health. - DORDRECHT (Holandsko) : Springer Nature Roč. 13, č. 6 (2020), s. 763-772 [print, online]. - ISSN 1873-9318 Spôsob prístupu: <https://doi.org/10.1007/s11869-020-00834-6>.
[PUŠKÁR, Michal (35%) - MARKOVIČ, Jaromír (20%) - KRAL, Štefan (3%) - VIRGALA, Ivan (20%) - KOPAS, Melichar (20%) - JANČOŠEK, Mário (2%)]

ADC010 [221121] **Investigation of snake robot locomotion possibilities in a pipe** / Ivan Virgala ...[et al.] - 2020.In: Symmetry : Open Access Journal. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 12, č. 6 (2020), s. 1-25 [online]. - ISSN 2073-8994 (online) Spôsob prístupu: <https://doi.org/10.3390/sym12060939>. [VIRGALA, Ivan (25%) - KELEMEN, Michal (20%) - BOŽEK, Pavol (12%) - BOBOVSKÝ, Zdenko (1%) - HAGARA, Martin (20%) - PRADA, Erik (20%) - OŠČÁDAL, Petr (1%) - VARGA, Martin (1%)]

ADC011 [221622] **Improved Pose Estimation of Aruco Tags Using a Novel 3D Placement Strategy** / Petr Oščádal ... [et al.] - 2020.In: Sensors. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 20, č. 17 (2020), s. [1-16] [online, print]. - ISSN 1424-3210 Spôsob prístupu: <https://doi.org/10.3390/s20174825>. [OŠČÁDAL, Petr (14%) - HECZKO, Dominik (14%) - VYSOCKÝ, Aleš (14%) - MLOTEK, Jakub (13%) - NOVÁK, Petr (3%) - VIRGALA, Ivan (14%) - SUKOP, Marek (14%) - BOBOVSKÝ, Zdenko (14%)]

ADC012 [222065] **Case study: Performance analysis and development of robotized screwing application with integrated vision sensing system for automotive industry** / Milan Sága ... [et al.] - 2020.In: International Journal of Advanced Robotic Systems. - Viedeň (Rakúsko) : Technische Universität Wien Roč. 17, č. 3 (2020), s. 1-23 [print, online]. - ISSN 1729-8806 Spôsob prístupu: <http://dx.doi.org/10.1177/1729881420923997>. [SÁGA, Milan (25%) - BULEJ, Vladimír (25%) - ČUBOŇOVÁ, Nadežda (10%) - KURIC, Ivan (25%) - VIRGALA, Ivan (14%) - EBERTH, Manfred (1%)]

ADC013 [222241] **Specific Problems in Measurement of Coefficient of Friction Using Variable Incidence Tribometer** / Tatiana Kelemenová ... [et al.] - 2020.In: Symmetry : Open Access Journal. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 12, č. 8 (2020), s. 1-20 [online]. - ISSN 2073-8994 (online) Spôsob prístupu: <https://doi.org/10.3390/sym12081235>. [KELEMENOVÁ, Tatiana (20%) - DOVICA, Miroslav (5%) - BOŽEK, Pavol (5%) - KOLÁRIKOVÁ, Ivana (4%) - BENEDIK, Ondrej (5%) - VIRGALA, Ivan (20%) - PRADA, Erik (20%) - MIKOVÁ, Ľubica (15%) - KOT, Tomáš (1%) - KELEMEN, Michal (5%)]

ADC014 [227790] **Design of a Unique Device for Residual Stresses Quantification by the Drilling Method Combining the PhotoStress and Digital Image Correlation** / Miroslav Pástor ... [et al.] - 2021.In: Materials. - Basel (Švajčiarsko) : Molecular Diversity Preservation International Roč. 14, č. 2 (2021), s. 1-27 [online]. - ISSN 1996-1944 (online) Spôsob prístupu: <https://doi.org/10.3390/ma14020314>. [PÁSTOR, Miroslav (25%) - HAGARA, Martin (20%) - VIRGALA, Ivan (20%) - KALAVSKÝ, Adam (5%) - SAPIETOVÁ, Alžbeta (20%) - HAGAROVÁ, Lenka (10%)]

ADC015 [229716] **A snake robot for locomotion in a pipe using trapezium-like travelling wave** / Ivan Virgala ... [et al.] - 2021.In: Mechanism and machine theory : tmm ; design theory and methodology ; haptics and human-machine-interfaces - New York (USA) : Elsevier Science č. 158 (2021), s. [1-21] [print]. - ISSN 0094-114X Spôsob prístupu: <https://doi.org/10.1016/j.mechmachtheory.2020.104221>. [VIRGALA, Ivan (50%) - KELEMEN, Michal (10%) - PRADA, Erik (10%) - SUKOP, Marek (10%) - KOT, Tomáš (5%) - BOBOVSKÝ, Zdenko (5%) - VARGA, Martin (5%) - FERENČÍK, Peter (5%)]

ADC016 [229717] **An Adaptive Neuro-Fuzzy Control of Pneumatic Mechanical Ventilator** / Jozef Živčák ... [et al.] - 2021.In: Actuators. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 3 (2021), s. [1-23] [online]. - ISSN 2076-0825 (online) Spôsob prístupu: <https://www.mdpi.com/2076-0825/10/3/51#cite>. [ŽIVČÁK, Jozef (10%) - KELEMEN, Michal (12%) - VIRGALA, Ivan (30%) - MARCINKO, Peter (20%) - TULEJA, Peter (10%) - SUKOP, Marek (10%) - LIGUŠ, Ján (4%) - LIGUŠOVÁ, Jana (4%)]

ADC017 [229724] **Finding Optimal Manipulator Arm Shapes to Avoid Collisions in a Static Environment** / Tomáš Kot ... [et al.] - 2021.In: Applied sciences. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 1 (2021), s. [1-23] [online]. - ISSN 2076-3417 (online) Spôsob prístupu: <https://doi.org/10.3390/app11010064>. [KOT, Tomáš (20%) - BOBOVSKÝ, Zdenko (16%) - BRANDSTÖTTER, Mathias (16%) - KRYS, Václav (16%) - VIRGALA, Ivan (16%) - NOVÁK, Petr (16%)]

ADC018 [233670] **Using virtual scanning to find optimal configuration of a 3d scanner turntable for scanning of mechanical parts** / Tomáš Kot ... [et al.] - 2021.In: Sensors. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 21, č. 16 (2021), s. [1-27] [online, print]. - ISSN 1424-3210 Spôsob prístupu: <https://doi.org/10.3390/s21165343>.

[KOT, Tomáš (5%) - BOBOVSKÝ, Zdenko (5%) - HECZKO, Dominik (5%) - VYSOCKÝ, Aleš (5%) - VIRGALA, Ivan (20%) - PRADA, Erik (60%)]

ADC019 [300029] **Chimney sweeping robot based on a pneumatic actuator** / Peter Ján Sinčák ... [et al.] - 2021.In: Applied sciences. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 11 (2021), s. [1-17] [online]. - ISSN 2076-3417 (online) Spôsob prístupu: <https://doi.org/10.3390/app11114872>.

[SINČÁK, Peter Ján (35%) - VIRGALA, Ivan (35%) - KELEMEN, Michal (10%) - PRADA, Erik (10%) - BOBOVSKÝ, Zdenko (5%) - KOT, Tomáš (5%)]

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (46)

ADE001 [113281] **Two-legs walking robot "Wigril"** / Ivan Virgala, Martina Vacková, Michal Kelemen - 2010.In: Lékař a technika. Vol. 40, no. 2 (2010), p. 32-35. - ISSN 0301-5491

[VIRGALA, Ivan (34%) - VACKOVÁ, Martina (33%) - KELEMEN, Michal (33%)]

ADE002 [122353] **Didaktický model trojosového priamočiareho manipulátora** / Martina Vacková ... [et al.] - 2012.In: Automa. Vol. 18, no. 5 (2012), p. 40-41. - ISSN 1210-9592

[VACKOVÁ, Martina (20%) - PRADA, Erik (20%) - VIRGALA, Ivan (20%) - SUROVEC, Róbert (20%) - KENDEROVÁ, Mária (20%)]

ADE003 [123657] **The Snake Rectilinear Motion Modeling on the Flat Inclined Surface** / Alexander Gmiterko, Michal Kelemen, Ivan Virgala - 2012.In: International Journal of Mechanics and Applications. Vol. 2, no. 4 (2012), p. 39-42. - ISSN 2165-9303 Spôsob prístupu: <http://article.sapub.org/10.5923.j.mechanics.20120204.01.html>.

[GMITERKO, Alexander (33%) - KELEMEN, Michal (33%) - VIRGALA, Ivan (34%)]

ADE004 [131011] **Experimental friction identification of a DC motor** / Ivan Virgala, Michal Kelemen - 2013.In: International Journal of Mechanics and Applications. Vol. 3, no. 1 (2013), p. 26-30. - ISSN 2165-9281

[VIRGALA, Ivan (90%) - KELEMEN, Michal (10%)]

ADE005 [131644] **Friction Effect Analysis of a DC Motor** / Ivan Virgala, Peter Frankovský, Mária Kenderová - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 1 (2013), p. 1-5. - ISSN 2328-4102 Spôsob prístupu: <http://www.sciepub.com/journal/AJME/CurrentIssue>.

[VIRGALA, Ivan (49%) - FRANKOVSKÝ, Peter (49%) - KENDEROVÁ, Mária (2%)]

ADE006 [138409] **A Concept of the Differentially Driven Three Wheeled Robot** / Michal Kelemen ... [et al.] - 2013.In: International Journal of Applied Mechanics and Engineering. Vol. 18, no. 3 (2013), p. 687-698. - ISSN 1734-4492 Spôsob prístupu: <http://www.degruyter.com/view/j/ijame.2013.18.issue-3/ijame-2013-0042/ijame-2013-0042.xml>.

[KELEMEN, Michal (11%) - COLVILLE, Daniel John (1%) - KELEMENOVÁ, Tatiana (40%) - VIRGALA, Ivan (24%) - MIKOVÁ, Ľubica (24%)]

ADE007 [141832] **Modeling of Dynamic Systems in Simulation Environment MATLAB/Simulink - SimMechanics** / Peter Frankovský ... [et al.] - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 7 (2013), p. 282-288. - ISSN 2328-4110 Spôsob prístupu: <http://www.sciepub.com/journal/ajme/Archive>.

[FRANKOVSKÝ, Peter (25%) - HRONCOVÁ, Darina (25%) - DELYOVÁ, Ingrid (25%) - VIRGALA, Ivan (25%)]

ADE008 [141842] **The use the[!] of digital image correlation in a strain analysis** / Peter Frankovský ... [et al.] - 2013.In: Applied Mechanics and Engineering. Vol. 18, no. 4 (2013), p. 1283-1292. - ISSN 1425-1655

[FRANKOVSKÝ, Peter (45%) - VIRGALA, Ivan (45%) - HUDÁK, Peter (5%) - KOSTKA, Ján (5%)]

ADE009 [141913] **Design of Two Legged Robot** / Daniel Šimšaj ... [et al.] - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 7 (2013), p. 355-360. - ISSN 2328-4102 Spôsob prístupu: <http://pubs.sciepub.com/ajme/1/7/40/index.html>.

[ŠIMŠAJ, Daniel (1%) - KELEMEN, Michal (1%) - VIRGALA, Ivan (1%) - KELEMENOVÁ, Tatiana (1%) - PRADA, Erik (1%) - LIPTÁK, Tomáš (95%)]

ADE010 [141918] **Kinematic analysis of humanoid robot hand** / Ivan Virgala, Michal Kelemen, Štefan Mrkva - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 7 (2013), p. 443-446. - ISSN 2328-4102

[VIRGALA, Ivan (70%) - KELEMEN, Michal (29%) - MRKVA, Štefan (1%)]

ADE011 [141919] **Experimental analysis of friction effects affecting the snake robot segment during rectilinear locomotion** / Ivan Virgala, Alexander Gmiterko, Peter Frankovský - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 7 (2013), p. 412-416. - ISSN 2328-4102

[VIRGALA, Ivan (34%) - GMITERKO, Alexander (33%) - FRANKOVSKÝ, Peter (33%)]

ADE012 [141920] **Dynamic analysis of manipulator arm for 6-legged robot** / Ivan Virgala, František Šimčák, Zdenko Bobovský - 2013.In: American Journal of Mechanical Engineering. Vol. 1, no. 7 (2013), p. 365-369. - ISSN 2328-4102

[VIRGALA, Ivan (50%) - ŠIMČÁK, František (49%) - BOBOVSKÝ, Zdenko (1%)]

ADE013 [142549] **Locomotion mechanism for pipe inspection tasks** / Ivan Virgala, Peter Frankovský - 2013.In: Ad Alta. Vol. 3, no. 2 (2013), p. 84-86. - ISSN 1804-7890

[VIRGALA, Ivan (50%) - FRANKOVSKÝ, Peter (50%)]

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ADF027 [210497] **Didactic model of controlled water tank system** / Ivan Virgala ... [et al.] - 2019.In: Acta Mechatronica. - Šemša (Slovensko) : 4S go, 2016 Roč. 4, č. 3 (2019), s. 1-5 [online]. - ISSN 2453-7306 (online) [VIRGALA, Ivan (20%) - MIKOVÁ, Ľubica (20%) - PRADA, Erik (20%) - KELEMEN, Michal (18%) - HRONCOVÁ, Darina (20%) - VARGA, Martin (2%)]

ADF028 [212460] **Experimental verification of object levitation by optical sensor** / Erik Prada, Ivan Virgala, Martin Varga - 2019.In: Acta Mechatronica. - Šemša (Slovensko) : 4S go, 2016 Roč. 4, č. 4 (2019), s. 5-10 [online]. - ISSN 2453-7306 (online) Spôsob prístupu: http://actamechatronica.eu/issues/2019/IV_2019_02_Prada_Virgala_Varga.pdf. [PRADA, Erik (50%) - VIRGALA, Ivan (30%) - VARGA, Martin (20%)]

ADF029 [217223] **Chimney Cleaning and Inspection Robot** / Peter Marcinko ... [et al.] - 2019.In: Acta Mechanica Slovaca : journal published by Faculty of Mechanical Engineering, the Technical University in Košice. - Košice (Slovensko) : Strojnícka fakulta Roč. 23, č. 3 (2019), s. 6-9 [print]. - ISSN 1335-2393 Spôsob prístupu: <https://www.actamechanica.sk/pdfs/ams/2019/03/01.pdf>. [MARCINKO, Peter (16%) - VIRGALA, Ivan (16%) - MIKOVÁ, Ľubica (16%) - PRADA, Erik (16%) - KELEMENOVÁ, Tatiana (16%) - KELEMEN, Michal (16%) - VARGA, Martin (4%)]

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (11)

ADM001 [154936] **Experimental identification of piezo actuator characteristic** / Ľubica Miková ... [et al.] - 2015.In: Metalurgija. Vol. 54, no. 1(2015), p. 221-223. - ISSN 0543-5846 [MIKOVÁ, Ľubica (30%) - KELEMEN, Michal (10%) - TREBUŇA, František (10%) - VIRGALA, Ivan (30%) - MALÁKOVÁ, Silvia (20%)]

ADM002 [154937] **Application of shape memory alloy (SMA) as actuator** / Ľubica Miková ... [et al.] - 2015.In: Metalurgija. Vol. 54, no. 1(2015), p. 169-172. - ISSN 0543-5846 [MIKOVÁ, Ľubica (30%) - MALÁKOVÁ, Silvia (20%) - KELEMEN, Michal (10%) - TREBUŇA, František (10%) - VIRGALA, Ivan (30%)]

ADM003 [155933] **Influence of material and gear parameters on the safety of gearing in metallurgical industry** / Silvia Medvecká-Beňová ... [et al.] - 2015.In: Metalurgia. Vol. 54, no. 1 (2015), p. 224-226. - ISSN 0543-5846 [MALÁKOVÁ, Silvia (30%) - VIRGALA, Ivan (30%) - KELEMEN, Michal (20%) - MIKOVÁ, Ľubica (20%)]

ADM004 [155953] **Experimental verification of the shape memory alloy (SMA) spring actuator for application on in-pipe machine** / Michal Kelemen ... [et al.] - 2015.In: Metalurgija. Vol. 54, no. 1 (2015), p. 173-176. - ISSN 0543-5846 Spôsob prístupu: <http://hrcak.srce.hr/file/187220>. [KELEMEN, Michal (32%) - VIRGALA, Ivan (32%) - PRADA, Erik (32%) - LIPTÁK, Tomáš (4%)]

ADM005 [173230] **Amplifying system for actuator displacement** / M. Kelemen ... [et al.] - 2016.In: International Journal of Applied Engineering Research. Vol. 11, no. 15 (2016), p. 8402-8407. - ISSN ISSN 0973-4562 Spôsob prístupu: http://www.ripublication.com/ijaer16/ijaerv11n15_03.pdf. [KELEMEN, Michal (20%) - VIRGALA, Ivan (20%) - FRANKOVSKÝ, Peter (20%) - KELEMENOVÁ, Tatiana (20%) - MIKOVÁ, Ľubica (20%)]

ADM006 [184356] **Modeling of two-wheeled self-balancing robot driven by DC gearmotors** / Peter Frankovský ... [et al.] - 2017.In: International Journal of Applied Mechanics and Engineering. Vol.. 22, no. 3 (2017), s. 739-747. - ISSN 1734-4492 Spôsob prístupu: <https://www.degruyter.com/view/j/ijame.2017.22.issue-3/ijame-2017-0046/ijame-2017-0046.xml>. [FRANKOVSKÝ, Peter (30%) - DOMINIK, Lukáš (8%) - GMITERKO, Alexander (30%) - VIRGALA, Ivan (30%) - KURYŁO, Piotr (1%) - PERMINOVA, Olga (1%)]

ADM007 [184384] **Testing of adhesive spray painting with robot** / Marek Sukop ... [et al.] - 2017.In: Technical gazette. Vol. 24, no. 2 (2017), p. 545-550. - ISSN 1330-3651
[SUKOP, Marek (20%) - HAJDUK, Mikuláš (5%) - SEMJON, Ján (20%) - VARGA, Jozef (20%) - JÁNOŠ, Rudolf (20%) - VAGAŠ, Marek (5%) - BEZÁK, Martin (1%) - VIRGALA, Ivan (9%)]

ADM008 [222242] **Reconfigurable Wheel-Legged Robot** / Ivan Virgala ... [et al.] - 2020.In: MM Science Journal. - Prague (Česko) : MM Publishing Roč. 2020, č. June (2020), s. 3960-3965 [print, online]. - ISSN 1803-1269 Spôsob prístupu: https://doi.org/10.17973/MMSJ.2020_06_2020027.
[VIRGALA, Ivan (16%) - MIKOVÁ, Ľubica (16%) - KELEMENOVÁ, Tatiana (16%) - KELEMEN, Michal (16%) - PRADA, Erik (16%) - HRONCOVÁ, Darina (15%) - VARGA, Martin (5%)]

ADM009 [229714] **Substantiation of Parameters of Friction Elements of Bernoulli Grippers With a Cylindrical Nozzle** / Roman Mykhailyshyn ... [et al.] - 2021.In: International Journal of Manufacturing, Materials, and Mechanical Engineering. - IGI Global Roč. 11, č. 2 (2021), s. [1-23] [print, online]. - ISSN 2156-1680 Spôsob prístupu: <https://doi.org/10.4018/IJMMME.2021040102>.
[MYKHAILYSHYN, Roman (20%) - SAVKIV, Volodymyr (20%) - BOYKO, Igor (20%) - PRADA, Erik (20%) - VIRGALA, Ivan (20%)]

ADM010 [231094] **Power and force limiting technique at collaborative workplace** / Ivan Virgala, Erik Prada, Marek Vagaš - 2021.In: MM Science Journal. - Praha (Česko) : MM Publishing Roč. 2021, č. June (2021), s. 4424-4427 [print, online]. - ISSN 1803-1269 Spôsob prístupu: https://doi.org/10.17973/MMSJ.2021_6_2021037.
[VIRGALA, Ivan (25%) - PRADA, Erik (25%) - VAGAŠ, Marek (50%)]

ADM011 [300694] **Kinematics of two link manipulator in matlab/simulink and msc adams/view software** / Darina Hroncová ... [et al.] - 2021.In: MM Science Journal. - Praha (Česko) : MM Publishing Roč. 2021-October (2021), s. 4749-4756 [print, online]. - ISSN 1803-1269 Spôsob prístupu: https://doi.org/10.17973/mmsj.2021_10_2021025.
[HRONCOVÁ, Darina (25%) - MIKOVÁ, Ľubica (25%) - VIRGALA, Ivan (25%) - PRADA, Erik (25%)]

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (2)

ADN001 [191839] **Micromachine for locomotion inside pipe** / Ľubica Miková ... [et al.] - 2018.In: Communications - Scientific Letters of the University of Žilina. Roč. 20, č. 1 (2018), s. 55-60. - ISSN 1335-4205
[MIKOVÁ, Ľubica (20%) - VIRGALA, Ivan (20%) - KELEMEN, Michal (20%) - LIPTÁK, Tomáš (20%) - HRONCOVÁ, Darina (20%)]

ADN002 [194351] **Snake Robot Locomotion Patterns for Straight and Curved Pipe** / Ivan Virgala, Tomáš Lipták, Ľubica Miková - 2018.In: Journal of Mechanical Engineering - Strojnícky časopis. Roč. 68, č. 2 (2018), s. 91-104. - ISSN 2450-5471 Spôsob prístupu: <https://www.degruyter.com/downloadpdf/j/scjme.2018.68.issue-2/scjme-2018-0020/scjme-2018-0020.pdf>.
[VIRGALA, Ivan (50%) - LIPTÁK, Tomáš (1%) - MIKOVÁ, Ľubica (49%)]

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (14)

AEC001 [137063] **Dynamics and control of a snake robot rectilinear motion** / Alexander Gmitterko ... [et al.] - 2012.In: Aspects of Computational Intelligence: Theory and Applications : Revised and Selected Papers of the 15th IEEE International Conference on Intelligent Engineering Systems 2011, INES 2011. - Berlín : Springer-Verlag, 2012 P. 151-164. - ISBN 978-3-642-30667-9 - ISSN 2193-9411
[GMITERKO, Alexander (24%) - KELEMEN, Michal (24%) - VIRGALA, Ivan (26%) - SUROVEC, Róbert (1%) - VACKOVÁ, Martina (1%) - PRADA, Erik (24%)]

AEC002 [149327] **Simulation Analysis of Pneumatic Rubber Bellows for Segment of Hyper-Redundant Robotic Mechanism** / Erik Prada ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 10-21. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[PRADA, Erik (40%) - VIRGALA, Ivan (40%) - GRANOSIK, Grzegorz (2%) - GMITERKO, Alexander (16%) - MRKVA, Štefan (2%)]

AEC003 [149328] **Inverse Kinematic Model of Humanoid Robot Hand** / Ivan Virgala ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 75-82. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[VIRGALA, Ivan (25%) - GMITERKO, Alexander (25%) - KELEMEN, Michal (25%) - MIKOVÁ, Ľubica (24%) - VARGA, Martin (1%)]

AEC004 [149329] **Snake Robot Movement in the Pipe Using Concertina Locomotion** / Ivan Virgala ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 121-129. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[VIRGALA, Ivan (25%) - DOVICA, Miroslav (25%) - KELEMEN, Michal (25%) - PRADA, Erik (24%) - BOBOVSKÝ, Zdenko (1%)]

AEC005 [149491] **Simulation model of manipulator for model based design** / Ľubica Miková ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 175-182. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[MIKOVÁ, Ľubica (33%) - KELEMEN, Michal (33%) - VIRGALA, Ivan (33%) - MICHNA, Maroš (1%)]

AEC006 [149685] **Uncertainty of dust mass concentration measurement** / Miroslav Dovica ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 511-518. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[DOVICA, Miroslav (10%) - MAXIM, Vladislav (5%) - KELEMEN, Michal (15%) - KELEMENOVÁ, Tatiana (20%) - VIRGALA, Ivan (20%) - MIKOVÁ, Ľubica (20%) - DUCHOŇ, František (10%)]

AEC007 [149687] **Puck collecting robot** / Michal Kelemen ... [et al.] - 2014.In: Applied Mechanics and Materials : Applied Mechanics and Mechatronics. - Switzerland : TTP, 2014 Vol. 611 (2014), p. 256-264. - ISBN 978-3-03835-189-4 - ISSN 1660-9336
[KELEMEN, Michal (19%) - SALOVKA, Tomáš (1%) - KELEMENOVÁ, Tatiana (20%) - VIRGALA, Ivan (20%) - MIKOVÁ, Ľubica (20%) - MAXIM, Vladislav (5%) - DUCHOŇ, František (10%) - KURYŁO, Piotr (5%)]

AEC008 [163648] **The Process of Gait Generation for Snake-like Robot with Nonholonomic Constraints** / Tomáš Lipták ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 240-247. - ISBN 978-3-03835-602-8 - ISSN 1662-7482
[LIPTÁK, Tomáš (20%) - GMITERKO, Alexander (20%) - KELEMEN, Michal (20%) - VIRGALA, Ivan (20%) - MENDA, František (10%) - GLODOVÁ, Iveta (10%)]

AEC009 [164179] **Embedded systems via using microcontroller** / Michal Kelemen ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 248-254. - ISBN 978-3-03835-602-8 - ISSN 1660-9336
[KELEMEN, Michal (6%) - PRADA, Erik (2%) - KELEMENOVÁ, Tatiana (40%) - MIKOVÁ, Ľubica (25%) - VIRGALA, Ivan (25%) - LIPTÁK, Tomáš (2%)]

AEC010 [164180] **Friction force identification for machine locomotion** / Erik Prada ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 276-281. - ISBN 978-3-03835-602-8 - ISSN 1662-7482 Spôsob prístupu: www.ttp.net.
[PRADA, Erik (2%) - KELEMEN, Michal (4%) - KELEMENOVÁ, Tatiana (33%) - MIKOVÁ, Ľubica (20%) - VIRGALA, Ivan (20%) - FRANKOVSKÝ, Peter (20%) - LÖRINC, Milan (1%)]

AEC011 [164181] **Anisotropic friction difference principle of in-pipe machine** / Tatiana Kelemenová ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 306-312. - ISBN 978-3-03835-602-8 - ISSN 1660-9336
[KELEMENOVÁ, Tatiana (33%) - KELEMEN, Michal (9%) - VIRGALA, Ivan (25%) - MIKOVÁ, Ľubica (25%) - PRADA, Erik (1%) - GMITERKO, Alexander (5%) - LIPTÁK, Tomáš (2%)]

AEC012 [164205] **Modeling and Simulation of Vertical Position Stability of Quadrocopter** / Ivan Virgala, Alexander Gmitterko, Michal Kelemen - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 43-48. - ISBN 978-3-03835-602-8 - ISSN 1660-9336
[VIRGALA, Ivan (34%) - GMITERKO, Alexander (33%) - KELEMEN, Michal (33%)]

AEC013 [164207] **Positioning of Pneumatic Actuator using Open-Loop System** / Ivan Virgala ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 160-164. - ISBN 978-3-03835-602-8 - ISSN 1660-9336
[VIRGALA, Ivan (45%) - KELEMEN, Michal (45%) - PRADA, Erik (5%) - LIPTÁK, Tomáš (5%)]

AEC014 [164209] **Stepper Motor Control by ATMEL AVR Microcontroller** / Ivan Virgala ... [et al.] - 2015.In: Applied Mechanics and Materials volume 816 : Applied Mechanics and Mechatronics 2. - Zurich : TTP, 2015 P. 321-326. - ISBN 978-3-03835-602-8 - ISSN 1660-9336
[VIRGALA, Ivan (45%) - KELEMEN, Michal (45%) - LIPTÁK, Tomáš (5%) - PRADA, Erik (5%)]

AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách (2)

AFA001 [135097] **In-pipe robot locomotion analysis** / Ivan Virgala, Peter Frankovský - 2013.In: Quaere 2013 : interdisciplinárni konferencie doktorandů a odborných asistentů : mezinárodní vědecká konference : recenzovaný sborník příspěvků : vol. 3 : 20. - 24.května 2013, Hradec Králové. - Hradec Králové : Magnanimitas, 2013 P. 2603-2610. - ISBN 978-80-905243-7-8
[VIRGALA, Ivan (50%) - FRANKOVSKÝ, Peter (50%)]

AFA002 [179371] **Razvitije tehničeskoj kompetentnosti u studentov s pomoščju IKT i praktičeskich projektov** / I. Virgala ... [et al.] - 2017.In: EQ 2017. - Iževsk : IžGTU, 2017 P. 28-35. - ISBN 978-5-7526-0754-7
[VIRGALA, Ivan (32%) - FRANKOVSKÝ, Peter (32%) - BOŽEK, Pavol (32%) - VÁCLAV, Štefan (4%)]

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (15)

AFC001 [107027] **Simplified model of the snake rectilinear motion** / A. Gmitterko, I. Virgala - 2011. - 1 elektronický optický disk (CD-ROM).In: SAMI 2011 : 9th IEEE International Symposium on Applied Machine Intelligence and Informatics : proceedings : 27 - 29 january 2011, Smolenice, Slovakia. - Budapest : IEEE, 2011 P. 307-310. - ISBN 978-1-4244-7428-8
[GMITERKO, Alexander (50%) - VIRGALA, Ivan (50%)]

AFC002 [109807] **The rectilinear motion analysis of a snake-like robot consisting of N homogeneous masses** / Alexander Gmitterko ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: ICMT'11 : International Conference on Military Technologies 2011 : Brno, Czech Republic, 10 to 11 May, 2011. - Brno : University of Defence in Brno, 2011 P. 883-888. - ISBN 978-80-7231-787-25
[GMITERKO, Alexander (25%) - VIRGALA, Ivan (25%) - ÁDIOVÁ, Mária (25%) - SUROVEC, Róbert (25%)]

AFC003 [109809] **The manipulation extension working in a dimensional constrained space for inspection robot** / Michal Kelemen ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: ICMT'11 : International Conference on Military Technologies 2011 : Brno, Czech Republic, 10 to 11 May, 2011. - Brno : University of Defence, 2011 P. 843-848. - ISBN 978-80-7231-787-25
[KELEMEN, Michal (25%) - BALÁŽ, Rastislav (25%) - VACKOVÁ, Martina (25%) - VIRGALA, Ivan (25%)]

AFC004 [129461] **Friction compensation for motion systems** / Ivan Virgala ... [et al.] - 2012.In: MMK 2012 : Mezinárodní Masarykova Konference pro doktorandy a mladé vědecké pracovníky : Sborník příspěvků z mezinárodní vědecké konference : ročník 3 : 10. - 14. prosince 2012, Hradec Králové, Česká republika. - Hradec Králové : MAGNANIMITAS, 2012 P. 1-8. - ISBN 978-80-905243-3-0
[VIRGALA, Ivan (25%) - GMITERKO, Alexander (25%) - KELEMEN, Michal (25%) - MENDA, František (25%)]

AFC005 [129748] **Model of contactless strip edge guiding system** / František Menda, Ivan Virgala, Alexander Gmiterko - 2012.In: Technológia Europea 2012 : sborník příspěvků mezinárodní vědecké konference k problematice technologických a inovačních procesů : ročník 2 : 11.-14. prosince 2012, Hradec Králové, Česká republika. - Hradec Králové : MAGNANIMITAS, 2012 P. 88-94. - ISBN 978-80-905243-4-7
[MENDA, František (33%) - VIRGALA, Ivan (33%) - KELEMEN, Michal (34%)]

AFC006 [164472] **New approach of fixation possibilities investigation for snake robot in the pipe** / Erik Prada ... [et al.] - 2015.In: IEEE ICMA 2015. - Danvers : IEEE, 2015 P. 1204-1210. - ISBN 978-1-4799-7096-4
[PRADA, Erik (2%) - VALÁŠEK, Michael (2%) - VIRGALA, Ivan (25%) - GMITERKO, Alexander (23%) - KELEMEN, Michal (23%) - HAGARA, Martin (23%) - LIPTÁK, Tomáš (2%)]

AFC007 [189965] **Speed Control of a DC Motor Using PD and PWM Controllers** / Ľubica Miková, Ivan Virgala, Michal Kelemen - 2015.In: Solid State Phenomena : Mechatronics Systems and Materials. Vol. 220-221 (2015), p. 244-250. - ISSN 1662-9779 Spôsob prístupu: <https://www.scopus.com/record/display.uri?eid=2-s2.0-84922143207&origin=resultslist&sort=plf-f&src=s&st1=Speed+Control+of+a+DC+Motor+Using+PD+and+PWM+Controllers&st2=&sid=28fab042a7eb0ff807e52744852a53e7&sot=b&sdt=b&sl=71&s=TITLE-ABS-KEY%28Speed+Control+of+a+DC+Motor+Using+PD+and+PWM+Controllers%29&relpos=2&citeCnt=1&searchTerm=>
[MIKOVÁ, Ľubica (34%) - VIRGALA, Ivan (33%) - KELEMEN, Michal (33%)]

AFC008 [189968] **Educational Model of Line Follower Robot LINA 2010** / Michal Kelemen ... [et al.] - 2015.In: Solid State Phenomena : Mechatronics Systems and Materials. Vol. 220-221 (2015), p. 989-994. - ISSN 1662-9779 Spôsob prístupu: https://www.scopus.com/results/results.uri?numberOfFields=0&src=s&clickedLink=&edit=&editSaveSearch=&origin=searchbasic&authorTab=&affiliationTab=&advancedTab=&scint=1&menu=search&tablin=&searchterm1=Educational+Model+of+Line+Follower+Robot+LINA+2010&field1=TITLE_ABS_KEY&dateType=Publication_Date_Type&yearFrom=Before+1960&yearTo=Present&loadDate=7&documenttype=All&accessTypes=All&resetFormLink=&st
[KELEMEN, Michal (24%) - COLVILLE, Daniel John (1%) - KELEMENOVÁ, Tatiana (25%) - VIRGALA, Ivan (25%) - MIKOVÁ, Ľubica (25%)]

AFC009 [197682] **Design of reconfigurable robot** / Ivan Virgala ... [et al.] - 2018.In: Elektro 2018 : 12th International Conference, Mikulov, Czech Republic, May 21st - 23rd, 2018 : Conference Proceedings. - Piscataway (USA) : Institute of Electrical and Electronics Engineers s. 1-5 [USB-key, CD-ROM]. - ISBN 978-1-5386-4760-8
[VIRGALA, Ivan (24%) - MIKOVÁ, Ľubica (24%) - LIPTÁK, Tomáš (1%) - KELEMEN, Michal (24%) - SUROVEC, Róbert (1%) - FILAKOVSKÝ, Filip (1%) - JURUŠ, Ondrej (1%) - SUKOP, Marek (24%)]

AFC010 [210603] **Dynamical Analysis of Scotch Yoke Mechanism** / Ľubica Miková ... [et al.] - 2019.In: Modelling of mechanical and mechatronic systems 2019 : conference proceedings. - Košice (Slovensko) : Technická univerzita v Košiciach s. 155-163 [print]. - ISBN 978-80-553-3368-7
[MIKOVÁ, Ľubica (20%) - KELEMEN, Michal (16%) - GMITERKO, Alexander (16%) - VIRGALA, Ivan (16%) - HRONCOVÁ, Darina (16%) - PRADA, Erik (16%)]

AFC011 [210822] **Optimization of design parameters of Bernoulli gripper with an annular nozzle** / V. Savkiv ... [et al.] - 2019.In: Transport Means 2019 part 1 : Sustainability: Research and Solutions. - Kaunas (Litva) : Kauno Technologijos Universitetas s. 423-428. - ISSN 1822-296X
[SAVKIV, Volodymyr B. (1%) - MYKHAILYSHYN, Roman (1%) - MARUSCHAK, Pavlo O. (1%) - CHOVANEC, Ľuboš (32%) - PRADA, Erik (32%) - VIRGALA, Ivan (32%) - PRENTKOVSKIS, Olegas (1%)]

AFC012 [224950] **Two Link Manipulator using Control Toolkit in MSC Adams Software with Application for Industry** / Darina Hroncová ... [et al.] - 2020.In: MMK 2020 : Mezinárodní Masarykova konference pro doktorandy a mladé vědecké pracovníky 2020 : recenzovaný sborník příspěvků mezinárodní vědecké konference = International Masaryk Conference For Ph.D. Students and Young Researchers. - Hradec Králové (Česko) : Magnanimitas akademické sdružení s. 1096-1105 [CD-ROM, online]. - ISBN 978-80-87952-33-7 Spůsob přístupu: https://www.vedeckekonference.cz/library/proceedings/mmk_2020.pdf. [HRONCOVÁ, Darina (30%) - KELEMEN, Michal (17%) - PRADA, Erik (30%) - MIKOVÁ, Ľubica (15%) - VIRGALA, Ivan (6%) - VARGA, Martin (2%)]

AFC013 [225898] **Locomotive, principally kinematic system of snakelike robot mathematical model with variable segment length** / Erik Prada ... [et al.] - 2020.In: Mechatronika 2020 : 19th International Conference on Mechatronics - Mechatronika (ME), Prague, Czech Republic, December 2-4, 2020. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. [1-6] [print, online]. - ISBN 978-1-7281-5602-6 [PRADA, Erik (25%) - KELEMEN, Michal (16%) - GMITERKO, Alexander (1%) - VIRGALA, Ivan (16%) - MIKOVÁ, Ľubica (16%) - HRONCOVÁ, Darina (16%) - VARGA, Martin (5%) - SINČÁK, Peter Ján (5%)]

AFC014 [231672] **Computer modeling in MSC Adams/View as part of a modern approach to the design of technical objects** / Darina Hroncová ... [et al.] - 2021.In: QUAERE 2021 : recenzovaný sborník příspěvků interdisciplinární mezinárodní vědecké konference doktorandů a odborných asistentů, Hradec Králové 28.6.2021 - 30.6.2021. - Hradec Králové (Česko) : Magnanimitas akademické sdružení s. 762-769 [online]. - ISBN 978-80-87952-34-4 Spůsob přístupu: https://www.vedeckekonference.cz/library/proceedings/quaere_2021.pdf. [HRONCOVÁ, Darina (32%) - PRADA, Erik (17%) - MIKOVÁ, Ľubica (17%) - VIRGALA, Ivan (17%) - KELEMEN, Michal (17%)]

AFC015 [300765] **Training stations with programmable logic controllers** / Michal Kelemen ... [et al.] - 2021.In: Technological Forum 2021 : 12th International technical conference : 30.6. - 02.07.2021. - Jaroměř (Česko) : Ing. Jan Kudláček s. 117-121 [print]. - ISBN 978-80-87583-33-3 [KELEMEN, Michal (10%) - KELEMENOVÁ, Tatiana (14%) - VIRGALA, Ivan (14%) - PRADA, Erik (14%) - MIKOVÁ, Ľubica (14%) - HRONCOVÁ, Darina (14%) - VARGA, Martin (10%) - SINČÁK, Peter Ján (10%)]

AFD - Publikované príspevky na domácich vedeckých konferenciách (29)

AFD001 [89107] **Prehľad rôznych konfigurácií obráteného kyvadla používaných v súčasnosti k štúdiu ich dynamického správania** / M. Vacková, I. Virgala - 2009.In: MMaMS '2009 : 3. medzinárodná konferencia : Zemplínska Šírava, 22.-24.9.2009. - Košice : TU, SJF, 2009 S. 534-536. - ISBN 9788055302881 [VACKOVÁ, Martina (50%) - VIRGALA, Ivan (50%)]

AFD002 [89119] **Konštrukcia dvojnohého kráčajúceho robota** / I. Virgala, M. Vacková - 2009.In: MMaMS '2009 : 3. medzinárodná konferencia : Zemplínska Šírava, 22.-24.9.2009. - Košice : TU, SJF, 2009 S. 537-540. - ISBN 9788055302881 Spůsob přístupu: http://web.tuke.sk/sjf-kamam/mmams2009/Zbornik_MMaMS_2009.pdf. [VIRGALA, Ivan (50%) - VACKOVÁ, Martina (50%)]

AFD003 [92219] **Stabilizácia fyzikálneho kyvadla štandardnými PID algoritmi riadenia** / Martina Vacková, Ivan Virgala - 2009. - 1 elektronický optický disk (CD-ROM).In: Novus Scientia 2009 : 11. celoštátna konferencia doktorandov Strojníckych fakúlt technických univerzít a vysokých škôl : 25.11.2009, Košice. - Košice : SJF TU, 2009 S. 1045-1054. - ISBN 978-80-553-0305-5 [VACKOVÁ, Martina (50%) - VIRGALA, Ivan (50%)]

AFD004 [92222] **Návrh funkčného modelu dvojnohého kráčajúceho robota** / Ivan Virgala, Martina Vacková - 2009. - 1 elektronický optický disk (CD-ROM).In: Novus Scientia 2009 : 11. celoštátna konferencia doktorandov Strojníckych fakúlt technických univerzít a vysokých škôl : 25.11.2009, Košice. - Košice : SJF TU, 2009 S. 1061-1066. - ISBN 978-80-553-0305-5 [VIRGALA, Ivan (50%) - VACKOVÁ, Martina (50%)]

AFD005 [109028] **Robot designed on biomechanics principles of the human locomotion** / Ivan Virgala, Martina Vacková, Michal Kelemen - 2010. - 1 elektronický optický disk (CD-ROM).In: YBERC 2010 : Young Biomedical Engineers and Researchers Conference : Košice : 1. - 3.7. 2010. - Košice : TU, 2010 S. 1-4. - ISBN 978-80-553-0596-7 [VIRGALA, Ivan (34%) - VACKOVÁ, Martina (33%) - KELEMEN, Michal (33%)]

AFD006 [111170] **Modeling of a snake-like robot rectilinear motion and requirements for its actuators** / A. Gmitterko ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: INES 2011 : 15th IEEE International Conference on Intelligent Engineering Systems : proceedings : June 23-25, 2011, Poprad, High Tatras, Slovakia. - Budapest : IEEE, 2011 S. 91-94. - ISBN 978-1-4244-8955-8 [GMITERKO, Alexander (20%) - KELEMEN, Michal (20%) - VIRGALA, Ivan (20%) - SUROVEC, Róbert (20%) - VACKOVÁ, Martina (20%)]

AFD007 [113012] **Scaling effect of actuators** / Michal Kelemen ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: MMaMS 2011 : Modelling of Mechanical and Mechatronical Systems : proceedings of the 4th international conference : Herľany, Slovakia, 20. - 22. 9. 2011. - Košice : TU, 2011 S. 211-216. - ISBN 978-80-553-0731-2 [KELEMEN, Michal (20%) - KELEMENOVÁ, Tatiana (20%) - VIRGALA, Ivan (20%) - VACKOVÁ, Martina (20%) - SUROVEC, Róbert (20%)]

AFD008 [113485] **Snake-like robot rectilinear motion modeling with different kinds of friction models** / Alexander Gmitterko, Ivan Virgala, Erik Prada - 2011. - 1 elektronický optický disk (CD-ROM).In: MMaMS 2011 : Modelling of Mechanical and Mechatronical Systems : proceedings of the 4th international conference : Herľany, Slovakia, 20. - 22. 9. 2011. - Košice : Sjf TU, 2011 S. 133-141. - ISBN 978-80-553-0731-2 [GMITERKO, Alexander (34%) - VIRGALA, Ivan (33%) - PRADA, Erik (33%)]

AFD009 [113486] **Three-link mechanism imitating snake concertina motion in the vertical pipe** / Ivan Virgala - 2011. - 1 elektronický optický disk (CD-ROM).In: MMaMS 2011 : Modelling of Mechanical and Mechatronical Systems : proceedings of the 4th international conference : Herľany, Slovakia, 20. - 22. 9. 2011. - Košice : Sjf TU, 2011 S. 551-557. - ISBN 978-80-553-0731-2 [VIRGALA, Ivan (100%)]

AFD010 [113487] **Approaches for snake-like robots design** / Ivan Virgala - 2011. - 1 elektronický optický disk (CD-ROM).In: MMaMS 2011 : Modelling of Mechanical and Mechatronical Systems : proceedings of the 4th international conference : Herľany, Slovakia, 20. - 22. 9. 2011. - Košice : Sjf TU, 2011 S. 542-550. - ISBN 978-80-553-0731-2 [VIRGALA, Ivan (100%)]

AFD011 [113490] **Comparison of neural networks learning algorithms for simulation of rectilinear snake locomotion** / Alexander Gmitterko ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: MMaMS 2011 : Modelling of Mechanical and Mechatronical Systems : proceedings of the 4th international conference : Herľany, Slovakia, 20. - 22. 9. 2011. - Košice : Sjf TU, 2011 S. 124-132. - ISBN 978-80-553-0731-2 [GMITERKO, Alexander (20%) - PRADA, Erik (20%) - VIRGALA, Ivan (20%) - SUROVEC, Róbert (20%) - VACKOVÁ, Martina (20%)]

AFD012 [116736] **Using of bond graph for mechatronics systems** / Alexander Gmitterko, Martina Vacková, Ivan Virgala - 2011.In: ISSE 2011 : 34th International Spring Seminar on Electronics Technology "New Trends in Micro/Nanotechnology" : May 11 - 15, 2011, High Tatras, Slovakia. - Piscataway : IEEE, 2011 S. 369-373. - ISBN 978-1-4577-2112-0 Spôsob prístupu: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6053890>. [GMITERKO, Alexander (33%) - VACKOVÁ, Martina (34%) - VIRGALA, Ivan (33%)]

AFD013 [120126] **Intelligent In-pipe Machine Adjustable to Inner Pipe Diameter** / M. Vacková ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM).In: SAMI 2012 : 10th IEEE Jubilee International Symposium on Applied Machine Intelligence and Informatics : proceedings : Herľany, Slovakia, January 26-28, 2012. - Budapest : IEEE, 2011 S. 507-513. - ISBN 978-1-4577-0195-5

[VACKOVÁ, Martina (12%) - TREBUŇA, František (13%) - VIRGALA, Ivan (12%) - KELEMEN, Michal (13%) - KELEMENOVÁ, Tatiana (13%) - PRADA, Erik (12%) - SUROVEC, Róbert (12%) - MIKOVÁ, Ľubica (13%)]

AFD014 [120760] **Algorithm for determining static characteristic on electromagnetic actuator for rectilinear locomotion structure of a snake-like robot** / Erik Prada ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM).In: SAMI 2012 : 10th IEEE Jubilee International Symposium on Applied Machine Intelligence and Informatics : proceedings : Herľany, Slovakia, January 26-28, 2012. - Budapest : IEEE, 2012 S. 435-439. - ISBN 978-1-4577-0195-5 [PRADA, Erik (13%) - GMITERKO, Alexander (17%) - BOCKO, Jozef (17%) - KELEMEN, Michal (16%) - SUROVEC, Róbert (12%) - VIRGALA, Ivan (13%) - VACKOVÁ, Martina (12%)]

AFD015 [120780] **Kinematic analysis of snake-like robot using obstacle aided locomotion** / Róbert Surovec ... [et al.] - 2012. - 1 elektronický optický disk (CD-ROM).In: SAMI 2012 : 10th IEEE Jubilee International Symposium on Applied Machine Intelligence and Informatics : proceedings : Herľany, Slovakia, January 26-28, 2012. - Budapest : IEEE, 2012 S. 451-455. - ISBN 978-1-4577-0195-5

[SUROVEC, Róbert (10%) - GMITERKO, Alexander (17%) - KELEMEN, Michal (17%) - ŠIMČÁK, František (16%) - FODOR, Marek (10%) - VIRGALA, Ivan (10%) - PRADA, Erik (10%) - VACKOVÁ, Martina (10%)]

AFD016 [127294] **Manipulator end-effector position control** / Ivan Virgala ... [et al.] - 2012.In: Procedia Engineering : MMaMS 2012 : Modelling of Mechanical and Mechatronics Systems 2012 : November 6th-8th 2012, Zemplínska Šírava, Slovakia. - Košice : TU, 2012 Vol. 48 (2012), p. 684-692. - ISSN 1877-7058 Spôsob prístupu: <http://www.sciencedirect.com/science/journal/18777058/48>.

[VIRGALA, Ivan (30%) - GMITERKO, Alexander (20%) - SUROVEC, Róbert (20%) - VACKOVÁ, Martina (1%) - PRADA, Erik (20%) - KENDEROVÁ, Mária (9%)]

AFD017 [127303] **Investigation of the Magnetic Field Influence of Permanent Adjustable Magnets Matrix on the Whole Positioning Mechanism and Levitating Diamagnetic object** / Erik Prada ... [et al.] - 2012.In: Procedia Engineering : MMaMS 2012 : Modelling of Mechanical and Mechatronics Systems 2012 : November 6th-8th 2012, Zemplínska Šírava, Slovakia. - Košice : TU, 2012 Vol. 48 (2012), p. 583-591. - ISSN 1877-7058 Spôsob prístupu: <http://www.sciencedirect.com/science/journal/18777058/48/supp/C>.

[PRADA, Erik (3%) - GMITERKO, Alexander (47%) - VACKOVÁ, Martina (2%) - VIRGALA, Ivan (30%) - SUROVEC, Róbert (3%) - KENDEROVÁ, Mária (14%) - POLÁČEK, Matej (1%)]

AFD018 [127304] **Design of robot vehicle undercarriage with ability to operate in broken terrain** / Róbert Surovec ... [et al.] - 2012.In: Procedia Engineering : MMaMS 2012 : Modelling of Mechanical and Mechatronics Systems 2012 : November 6th-8th 2012, Zemplínska Šírava, Slovakia. - Košice : TU, 2012 Vol. 48 (2012), p. 650-655. - ISSN 1877-7058 Spôsob prístupu: <http://www.sciencedirect.com/science/journal/18777058/48/supp/C>.

[SUROVEC, Róbert (19%) - GMITERKO, Alexander (30%) - VACKOVÁ, Martina (1%) - VIRGALA, Ivan (30%) - PRADA, Erik (19%) - PIPÍK, Tomáš (1%)]

AFD019 [131014] **Motion analysis of snake robot segment** / Ivan Virgala ... [et al.] - 2013.In: SAMI 2013 : IEEE 11th International Symposium on Applied Machine Intelligence and Informatics : proceedings : January 31 - February 2, 2013, Herľany, Slovakia. - Budapest : IEEE, 2013 P. 145-148. - ISBN 978-1-4673-5926-9

[VIRGALA, Ivan (80%) - KELEMEN, Michal (10%) - PRADA, Erik (5%) - SUROVEC, Róbert (5%)]

AFD020 [154413] **The use of geometric mechanics concept at kinematic modeling in mobile robotics** / Tomáš Lipták ... [et al.] - 2014.In: Procedia Engineering : Modelling of Mechanical and Mechatronic Systems MMaMS 2014 : 25th-27th November 2014, High Tatras, Slovakia. - Netherland : Elsevier, 2014 Vol. 96 (2014), s. 273-280. - ISSN 1877-7058 [LIPTÁK, Tomáš (20%) - GMITERKO, Alexander (16%) - KELEMEN, Michal (16%) - VIRGALA, Ivan (16%) - PRADA, Erik (16%) - MENDA, František (16%)]

AFD021 [154566] **Rapid control prototyping of embedded systems based on microcontroller** / Michal Kelemen ... [et al.] - 2014.In: *Procedia Engineering : Modelling of Mechanical and Mechatronic Systems MMaMS 2014 : 25th-27th November 2014, High Tatras, Slovakia*. Vol. 96 (2014), p. 215–220. - ISSN 1877-7058 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S1877705814032056>. [KELEMEN, Michal (20%) - KELEMENOVÁ, Tatiana (20%) - VIRGALA, Ivan (20%) - MIKOVÁ, Ľubica (20%) - LIPTÁK, Tomáš (20%)]

AFD022 [154593] **Analyzing, Modeling and Simulation of Humanoid Robot Hand Motion** / Ivan Virgala ... [et al.] - 2014.In: *Procedia Engineering : Modelling of Mechanical and Mechatronic Systems MMaMS 2014 : 25th-27th November 2014, High Tatras, Slovakia*. Vol. 96 (2014), p. 489-499. - ISSN 1877-7058 Spôsob prístupu: <http://www.sciencedirect.com/science/journal/18777058/96>. [VIRGALA, Ivan (45%) - KELEMEN, Michal (45%) - VARGA, Martin (5%) - KURYŁO, Piotr (5%)]

AFD023 [167698] **Modelovanie, simulácia a riadenie dvojitého inverzného kyvadla** / Tomáš Lipták ... [et al.] - 2016.In: *Novus Scientia 2016*. - Košice : TU, 2016 S. 114-119. - ISBN 978-80-553-2495-1 [LIPTÁK, Tomáš (25%) - GMITERKO, Alexander (25%) - VIRGALA, Ivan (25%) - HRONCOVÁ, Darina (25%)]

AFD024 [181617] **The use of geometric mechanics concept to modeling of Ackerman steered car-like vehicle** / Peter Frankovský ... [et al.] - 2017.In: *Experimental Stress Analysis 2017*. - Košice : TU, 2017 S. 748-751. - ISBN 978-80-553-3166-9 [FRANKOVSKÝ, Peter (18%) - GMITERKO, Alexander (18%) - DOMINIK, Lukáš (16%) - HRONCOVÁ, Darina (16%) - VIRGALA, Ivan (16%) - MIKOVÁ, Ľubica (16%)]

AFD025 [190322] **Condition evaluation of the optical metroscope** / Tatiana Kelemenová ... [et al.] - 2018.In: *ARTEP 2018*. - Košice : TU, 2018 S. 32-1-32-10. - ISBN 978-80-553-2914-7 [KELEMENOVÁ, Tatiana (16%) - MIKOVÁ, Ľubica (16%) - VIRGALA, Ivan (16%) - SUKOP, Marek (16%) - LIPTÁK, Tomáš (16%) - KELEMEN, Michal (20%)]

AFD026 [214485] **Inverse kinematics and motion control of a humanoid** / Martin Varga, Ivan Virgala, Filip Filakovský - 2020.In: *Novus Scientia 2020 : Zborník príspevkov z XVII. Medzinárodnej vedeckej konferencie doktorandov strojníckych fakúlt technických univerzít a vysokých škôl*. - Košice (Slovensko) : Technická univerzita v Košiciach s. 243-248 [CD-ROM]. - ISBN 978-80-553-3500-1 [VARGA, Martin (60%) - VIRGALA, Ivan (30%) - FILAKOVSKÝ, Filip (10%)]

AFD027 [215065] **Snímač naklonenia pre meranie naklonenia robota** / Michal Kelemen ... [et al.] - 2020.In: *Automatizácia a riadenie v teórii a praxi 2020 : 14. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe*. - Košice (Slovensko) : Technická univerzita v Košiciach s. 09-1-09-11. - ISBN 978-80-553-3487-5 [KELEMEN, Michal (13%) - VIRGALA, Ivan (13%) - MIKOVÁ, Ľubica (13%) - PRADA, Erik (13%) - HRONCOVÁ, Darina (13%) - KELEMENOVÁ, Tatiana (13%) - PUŠKÁR, Michal (12%) - VARGA, Martin (10%)]

AFD028 [215070] **Potrúbný stroj pre čistenie a inšpekciu potrubia** / Ivan Virgala ... [et al.] - 2020.In: *Automatizácia a riadenie v teórii a praxi 2020 : 14. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe*. - Košice (Slovensko) : Technická univerzita v Košiciach, 2020 s. 1-9. - ISBN 978-80-553-3487-5 [VIRGALA, Ivan (13%) - MIKOVÁ, Ľubica (13%) - PRADA, Erik (13%) - HRONCOVÁ, Darina (13%) - KELEMENOVÁ, Tatiana (13%) - PUŠKÁR, Michal (12%) - KELEMEN, Michal (13%) - VARGA, Martin (10%)]

AFD029 [229723] **A Portable BVM-based Emergency Mechanical Ventilator** / Jozef Živčák ... [et al.] - 2021.In: *SAMI 2021 : IEEE 19th World Symposium on Applied Machine Intelligence and Informatics*. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 229-234 [online, USB-key]. - ISBN 978-1-7281-8053-3 (online) Spôsob prístupu: <https://ieeexplore.ieee.org/document/9378620>. [ŽIVČÁK, Jozef (10%) - KELEMEN, Michal (10%) - VIRGALA, Ivan (10%) - MARCINKO, Peter (10%) - TULEJA, Peter (10%) - SUKOP, Marek (10%) - PRADA, Erik (10%) - VARGA, Martin (10%) - LIGUŠ, Ján (10%) - FILAKOVSKÝ, Filip (10%)]

AGI - Správy o vyriešených vedeckovýskumných úlohách (2)

AGI001 [129123] **LOCOSNAKE - Pohyb robotických mechanizmov s podporou riadiaceho softvéru** Záverečná finančná správa/ Alexander Gmiterko ... [et al.] - Košice : Sjf TUKE - 2012. - 35 s..
[GMITERKO, Alexander (15%) - KELEMEN, Michal (15%) - BOBOVSKÝ, Zdenko (14%) - VACKOVÁ, Martina (14%) - VIRGALA, Ivan (14%) - PRADA, Erik (14%) - SUROVEC, Róbert (14%)]

AGI002 [155235] **TransBridge – inovatívne metódy v navrhovaní robotických mechanizmov** Záverečná programová a finančná správa/ Ivan Virgala ... [et al.] - Košice : TU - 2014. - 21 s..
[VIRGALA, Ivan (25%) - SUROVEC, Róbert (5%) - GMITERKO, Alexander (5%) - JEZNY, Jaromír (5%) - MIKOVÁ, Ľubica (10%) - LIPTÁK, Tomáš (25%) - PRADA, Erik (20%) - MALAVAL, Loic (5%)]

AGJ - Autorské osvedčenia, patenty, objavy (16)

AGJ001 [177021] **Skúšobné zariadenie na testovanie akčných členov** zverejnená patentová prihláška SK 5-2016 A3/ Ivan Virgala ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 6 s..
[VIRGALA, Ivan (22%) - KELEMEN, Michal (22%) - GMITERKO, Alexander (5%) - KELEMENOVÁ, Tatiana (5%) - FRANKOVSKÝ, Peter (10%) - MIKOVÁ, Ľubica (10%) - ŠARGA, Patrik (3%) - HRONCOVÁ, Darina (3%) - LIPTÁK, Tomáš (10%) - PRADA, Erik (1%) - SUKOP, Marek (3%) - SEMJON, Ján (3%) - JÁNOŠ, Rudolf (3%)]

AGJ002 [177024] **Lineárny solenoidný elektromagnetický aktuátor s diferenciálne sériovo zapojenými vinutiami a permanentným magnetom** zverejnená patentová prihláška SK 6-2016 A3/ Ivan Virgala ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 7 s..
[VIRGALA, Ivan (20%) - KELEMEN, Michal (20%) - GMITERKO, Alexander (5%) - KELEMENOVÁ, Tatiana (5%) - FRANKOVSKÝ, Peter (10%) - MIKOVÁ, Ľubica (15%) - ŠARGA, Patrik (6%) - HRONCOVÁ, Darina (3%) - LIPTÁK, Tomáš (6%) - MAXIM, Vladislav (1%) - SUKOP, Marek (3%) - SEMJON, Ján (3%) - JÁNOŠ, Rudolf (3%)]

AGJ003 [177025] **Kolesový potrubný stroj s automatickým nastavením rozpätia kolies podľa priemeru potrubia** zverejnená patentová prihláška SK 7-2016 A3/ Ivan Virgala ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 10 s..
[VIRGALA, Ivan (15%) - KELEMEN, Michal (10%) - GMITERKO, Alexander (10%) - KELEMENOVÁ, Tatiana (10%) - FRANKOVSKÝ, Peter (10%) - MIKOVÁ, Ľubica (5%) - ŠARGA, Patrik (5%) - HRONCOVÁ, Darina (5%) - LIPTÁK, Tomáš (5%) - MAXIM, Vladislav (5%) - SUKOP, Marek (5%) - SEMJON, Ján (5%) - JÁNOŠ, Rudolf (5%) - ČEREVKA, Tomáš (5%)]

AGJ004 [177026] **Štetinový potrubný stroj pohybujúci sa v potrubí na princípe diferencie trenia** zverejnená patentová prihláška SK 8-2016 A3/ Ivan Virgala ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 7 s..
[VIRGALA, Ivan (24%) - KELEMEN, Michal (20%) - GMITERKO, Alexander (5%) - KELEMENOVÁ, Tatiana (5%) - FRANKOVSKÝ, Peter (10%) - MIKOVÁ, Ľubica (10%) - ŠARGA, Patrik (3%) - HRONCOVÁ, Darina (3%) - LIPTÁK, Tomáš (10%) - MAXIM, Vladislav (1%) - SUKOP, Marek (3%) - SEMJON, Ján (3%) - JÁNOŠ, Rudolf (3%)]

AGJ005 [177029] **Mobilný dvojnóhý robot so stabilizovanou základňou** zverejnená patentová prihláška SK 11-2016 A3/ Ivan Virgala ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 7 s..
[VIRGALA, Ivan (20%) - KELEMEN, Michal (10%) - GMITERKO, Alexander (10%) - KELEMENOVÁ, Tatiana (10%) - FRANKOVSKÝ, Peter (10%) - MIKOVÁ, Ľubica (10%) - ŠARGA, Patrik (5%) - HRONCOVÁ, Darina (5%) - LIPTÁK, Tomáš (5%) - PRADA, Erik (5%) - ŠIMŠAJ, Daniel (5%) - SUKOP, Marek (5%)]

AGJ006 [204126] **Systém automatického vytvárania trasy voľného prejazdu pre vozidlá rýchleho zásahu** Patentová prihláška 15-2015/ Peter Trebuňa ... [et al.] - Banská Bystrica : ÚPV SR - 2017. - 5 s..
Spôsob prístupu: <https://wbr.indprop.gov.sk/WebRegistre/Patent/Detail/15-2015>.
[TREBUŇA, Peter (15%) - LAUROV, Ľubomír (15%) - KÁDÁROVÁ, Jaroslava (14%) - STRAKA, Martin (14%) - PIVARČIOVÁ, Elena (14%) - VIRGALA, Ivan (14%) - ŠIMÁK, Vojtech (14%)]

AGJ007 [177140] **Lokomočný mechanizmus na transport kabeláže** zverejnená patentová prihláška SK 28-2016 A3/ Michal Kelemen ... [et al.] - Banská Bystrica : ÚPV SR - 2018. - 7 s..
[KELEMEN, Michal (15%) - VIRGALA, Ivan (60%) - LIPTÁK, Tomáš (15%) - MIKOVÁ, Ľubica (10%)]

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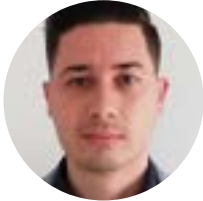


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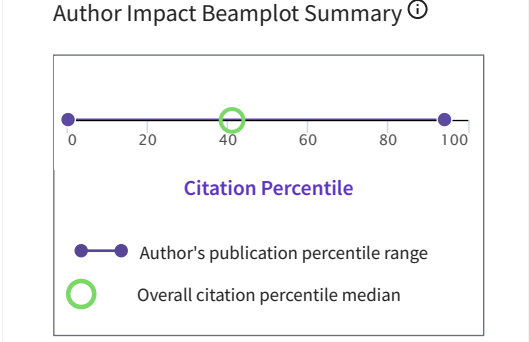
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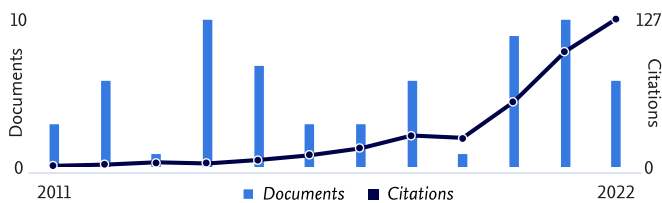
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