

Technická univerzita v Košiciach
Prehľad publikačnej činnosti vrátane ohlasov
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Dátum generovania výstupu: 9. 12. 2019, 21:17:46

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

Počet záznamov: 4

BCI - Skriptá a učebné texty (3)

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

Skupina B - Publikácie v karentovaných vedeckých časopisoch a autorské osvedčenia, patenty a objavy (ADC, ADD, AEG, AEH, BDC, BDD, CDC, CDD, AGJ)

Počet záznamov: 6

ADC - Vedecké práce v zahraničných karentovaných časopisoch (4)

AGJ - Autorské osvedčenia, patenty, objavy (2)

Skupina C - Ostatné recenzované publikácie (ACC, ACD, ADE, ADF, AEC, AED, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CDE, CDF)

Počet záznamov: 44

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (1)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (7)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (4)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (14)

AFD - Publikované príspevky na domácich vedeckých konferenciách (16)

BDF - Odborné práce v domácich nekarentovaných časopisoch (1)

Skupina N - Nové kategórie EPC v zmysle Vyhlášky č. 456/2012 (ADM, ADN, AEM, AEN, BDM, BDN, CBA, CBB)

Počet záznamov: 7

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (7)

Skupina D - Ostatné - mimo kategórií MŠSR

Počet záznamov: 3

AFL - Postery z domácich konferencií (1)

BEE - Odborné práce v zahraničných nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)

Počet záznamov spolu: 64

Citácie v časopisoch indexovaných v database Web of Science Core Collection (27x)

Citácie v database Web of Science Core Collection – okrem časopisov (32x)

Menný zoznam publikácií:

ADC - Vedecké práce v zahraničných karentovaných časopisoch(4)

ADC001 [173384] Finite control set model predictive speed control of a DC motor / Viktor Šlapák ... [et al.] - 2016.In: Mathematical Problems in Engineering. Vol. 2016, no. ID 9571972 (2016), p. 1-10. - ISSN 1024-123X

[ŠLAPÁK, Viktor - KYSLAN, Karol - LACKO, Milan - FEDÁK, Viliam - ĎUROVSKÝ, František]

Ohlasy:

2017 [1] VITTEK, Jan et al. Energy near-optimal control strategies for industrial and traction drives with a.c. motors In: Mathematical Problems in Engineering (2017), art. no. 1857186 ISSN: 1024-123X

2017 [1] SU, Dandan - ZHANG, Chengning - DONG, Yugang Finite-state model predictive current control for surface-mounted permanent magnet synchronous motors based on current locus In: IEEE Access Vol. 5 (2017), p. 27366-27375 ISSN: 2169-3536

2017 [2] PERDUKOVÁ, Daniela - FEDOR, Pavol Optimal PI fuzzy controller for nonlinear systems In: ELEKTROENERGETIKA 2017 : 9th International Scientific Symposium on Electrical Power Engineering: : Stará Lesná, 12-14 September, 2017 S. 460-464 ISBN: 978-80-553-3195-9

2017 [2] PAVLÍK, Marek - ZBOJOVSKÝ, Ján The shielding effectiveness measuring of brick wall for different material thickness In: ELEKTROENERGETIKA 2017 : 9th International Scientific Symposium on Electrical Power Engineering: : Stará Lesná, 12-14 September, 2017 S. 365-368 ISBN: 978-80-553-3195-9

2018 [1] DRGONA, P., STEFUN, R., STEFKE, L. Design and control of a CNC device designed for the application of viscous materials In: ELEKTRO 2018 : 12th International Conference : Mikulov, 21-23 May, 2018 P. 1/5 ISBN: 978-153864759-2

2018 [1] ABDULIN, A.A., MAMATOV, A.G., GORSHKOV, K.S. Discrete-time state feedback control design for linear objects with delay In: EIConRus 2018 : IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering : Petersburg, 29 January-1 February, 2018 P. 851-856 ISBN: 978-1-5386-4339-6

2018 [3] CHOJOWSKI, Maciej Simulation Analysis of Extended Kalman Filter Applied for Estimating Position and Speed of a Brushless DC Motor In: Power Electronics and Drives Vol. 3, no. 1 (2018), p. 145-155 ISSN: 2543-4292

2018 [3] HORVÁTH, Krisztián, KUSLITS, Márton Dynamic Performance of Estimator-based Speed Sensorless Control of Induction Machines Using Extended and Unscented Kalman Filters In: Power Electronics and Drives Vol. 3, no. 1 (2018), p. 129-144 ISSN: 2543-4292

2018 [1] LEŠO, Martin - ŽILKOVÁ, Jaroslava - GIROVSKÝ, Peter Development of a simple fuzzy logic controller for DC-DC converter In: PEMC 2018 : IEEE 18TH International Power Electronics and Motion Control Conference : Budapest, 26-30 August, 2018 P. 86-93 ISBN: 978-1-5386-4198-9

2018 [1] AL-DIN ABED, W.N., SALEH, A.H., HAMEED, A.S. Speed control of PMDCM based GA and DS techniques In: International Journal of Power Electronics and Drive Systems Vol. 9, no. 4 (2018), p. 1467-1475 ISSN: 2088-8694

2019 [3] BAWDAKA, Ammar - KAYA, İbrahim DC Motor Sürücüsü İçin Model Öngörülü Denetleyici Tasarımı In: Dicle University Journal of Engineering Vol. 10, no. 3 (2019), p. 899-910 ISSN: 1309-8640

ADC002 [186670] Industrial controller-based dynamometer with dynamic emulation of mechanical loads / Karol Kyslan ... [et al.] - 2017. In: Electrical Engineering. Vol. 99, no. 4 (2017), p. 1245-1254. - ISSN 0948-7921 Spôsob prístupu: <https://link.springer.com/article/10.1007/s00202-017-0626-z>. [KYSLAN, Karol - RODIČ, Miran - SUCHÝ, Ľuboš - FERKOVÁ, Želmíra - ĎUROVSKÝ, František]
Ohlasy:

2018 [1] URBANSKY, Matej Comparison of Piston and Tangential Pneumatic Flexible Shaft Couplings in Terms of High Flexibility In: Scientific Journal of Silesian University of Technology-Series Transport Vol. 99 (2018), p. 193-203 ISSN: 0209-3324

2018 [1] WANG, Zhe et al. Design and Modeling of a Test Bench for Dual-Motor Electric Drive Tracked

Vehicles Based on a Dynamic Load Emulation Method In: Sensors Vol. 18, no. 7 (2018), article no. UNSP 1993 ISSN: 1424-8220

2019 [1] URBANSKY, Matej - KASSAY, Peter - VOJTKOVA, Jarmila New design of tangential pneumatic torsional vibration tuners In: Scientific Journal of Silesian University of Technology - Series Transport Vol. 103 (2019), p. 183-191 ISSN: 0209-3324

2019 [1] URICA, T., SIMONOVA, A. Hybrid mode of a two-position controller In: Transportation Research Procedia : TRANSCOM 2019 : 13th International Scientific Conference on Sustainable, Modern and Safe Transport : Nový Smokovec, 29-31 May, 2019 Vol. 40 (2019), p. 564-570 ISSN: 2352-1457

2019 [1] LV, Haoliang et al. Research on the Modeling, Control, and Calibration Technology of a Tracked Vehicle Load Simulation Test Bench In: Applied Sciences Vol. 9, no. 12 (2019), art.no. 2557 ISSN: 2076-3417

ADC003 [190974] **Pathfinder-Development of Automated Guided Vehicle for Hospital Logistics /**
Ján Bačík ... [et al.] - 2017. In: IEEE Access. Vol. 5 (2017), p. 26892-26900. - ISSN 2169-3536
[BAČÍK, Ján ml. - ĎUROVSKÝ, František - BIROŠ, Milan - KYSLAN, Karol - PERDUKOVÁ, Daniela - PADMANABAN, Sanjeevikumar]

Ohlasy:

2018 [1] CSERVENÁK, Á. Further Development of an AGV Control System In: Lecture Notes in Mechanical Engineering No. 9783319756769 (2018), p. 376-384 ISSN: 2194-4356

2018 [1] ČERNOHORSKÝ, Josef - JANDURA, Pavel - RYDLO, Pavel Real Time Ultra-wideband Localisation In: ICCC 2018 : 19th International Carpathian Control Conference : Szilvasvard, 28-31 May, 2018 P. 445-450 ISBN: 978-1-5386-4762-2

2018 [1] XIONG, Huiyuan - ZHU, Xionglai - ZHANG, Ronghui Energy recovery strategy numerical simulation for dual axle drive pure electric vehicle based on motor loss model and big data calculation In: Complexity DOI: 10.1155/2018/4071743 ISSN: 1076-2787

2018 [1] KRCMAR, Lukas - MACH, Ondrej - CERNOHORSKY, Josef Design and efficiency mapping of an electric drive for mobile robotic container platform for use in industrial halls In: SPEEDAM 2018 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion: Amalfi, 20-22 Jun, 2018 P. 963-967 ISBN: 978-1-5386-4941-1

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2019 [3] MADRIGAL MORENO, Sergio, Alejandro - MUÑOZ CEBALLOS, Nelson David Vehículos de guiado autónomo (AGV) en aplicaciones industriales: una revisión In: Revista Politécnica Vol. 15, no. 28 (2019), p. 117-137 ISSN: 1900-2351

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ADC004 [208311] **Distribution of the Strip Tensions with Slip Control in Strip Processing Lines /**
Daniel Magura ... [et al.] - 2019.In: Energies. Roč. 12, č. 15 (2019), s. 3010-3010 [online]. - ISSN 1996-1073 (online) Spôsob prístupu: <https://www.mdpi.com/1996-1073/12/15/3010>.
[MAGURA, Daniel - KYSLAN, Karol - PADMANABAN, Sanjeevikumar - FEDÁK, Viliam]

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(1)

ADE001 [209049] **Automatické generovanie kódu z prostredia MATLABSimulink a porovnanie vybraných prostriedkov pre jeho realizáciu /** Karol Kyslan ... [et al.] - 2019.In: Elektrorevue : časopis pro elektrotechniku. - Brno (Česko) : International Society for Science and Engineering Roč. 21, č. 3 (2019), s. 68-75 [online]. - ISSN 1213-1539 Spôsob prístupu:
<http://www.elektrorevue.cz/cz/clanky/zpracovani-signalu/0/automaticke-generovanie-kodu-z-prostredia-matlab-simulink-a-porovnanie-vybranych-prostriedkov-pre-jeho-realizaciu/>.
[KYSLAN, Karol - ŠLAPÁK, Viktor - LACKO, Milan - ĎUROVSKÝ, František]

ADF - Vedecké práce v domácich nekarentovaných časopisoch(7)

ADF001 [109587] **HIL simulácia mechatronických systémov s využitím komerčných meničov /** Karol Kyslan, Peter Keusch, František Ďurovský - 2011.In: ATP Journal. Č. 2 (2011), s. 44-46. - ISSN 1335-2237
[KYSLAN, Karol - KEUSCH, Peter - ĎUROVSKÝ, František]
Ohlasy:

2012 [1] KOSTIAL, I. et al. Mathematical model of granular material thermal treatment for real time application In: ICCC 2012 : Proceedings of the 13th International Carpathian Control Conference : 28. - 31. May 2012, High Tatras, Slovak Republic P. 353-358 ISBN: 978-1-45771868-7

ADF002 [141716] **Využitie systému RT-LAB pri výskume regulovaných pohonov /** Karol Kyslan, Milan Lacko, František Ďurovský - 2013.In: EE Časopis. Roč. 19, č. 6 (2013), s. 18-20. - ISSN 1335-2547
[KYSLAN, Karol - LACKO, Milan - ĎUROVSKÝ, František]

ADF003 [150618] **Riadenie dynamometra pomocou simulátora OP 5600 /** Karol Kyslan, František Ďurovský - 2014.In: ATP Journal. Roč. 21, č. 9 (2014), s. 42-43. - ISSN 1335-2237
[KYSLAN, Karol - ĎUROVSKÝ, František]

ADF004 [157637] **Determination of initial commutation angle offset of permanent magnet synchronous machine - an overview and simulation /** Viktor Šlapák ... [et al.] - 2014.In: Acta Electrotechnica et Informatica. Roč. 14, č. 4 (2014), s. 17-22. - ISSN 1335-8243
[ŠLAPÁK, Viktor - KYSLAN, Karol - MEJDR, František - ĎUROVSKÝ, František]

ADF005 [167559] **Prediktívne riadenie PMDC motora s konečným počtom akčných zásahov /** Karol Kyslan ... [et al.] - 2016.In: ATP Journal. Roč. 23, č. 1 (2016), s. 42-44. - ISSN 1335-2237
[KYSLAN, Karol - ŠLAPÁK, Viktor - LACKO, Milan - FEDÁK, Viliam]

ADF006 [172788] **Jednoduchý regulátor polohy s prepínaním nelineárnych funkcií pre polohovanie konca pásu z navíjačky** / Daniel Magura, Viliam Fedák, Karol Kyslan - 2016.In: Elektrotechnické listy. Roč. 1, č. 1 (2016), s. 1-6. - ISSN ISSN 2453-8981 [MAGURA, Daniel - FEDÁK, Viliam - KYSLAN, Karol]

ADF007 [209050] **Skalárne riadenie 5-fázového asynchronného motora** / Karol Kyslan, Milan Lacko - 2019.In: Elektrotechnické listy : Česko-Slovenský vedecký časopis. Roč. 4, č. 3 (2019), s. 1-6 [online]. - ISSN 2453-8981 (online) Spôsob prístupu: http://elektrotechnickelisty.eu/casopis/rocnik_IV/cislo_3_2019.html. [KYSLAN, Karol - LACKO, Milan]

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(7)

ADM001 [139211] **Dynamic Emulation of Mechanical Loads - An Approach Based on Industrial Drives' Features** / Karol Kyslan, František Ďurovský - 2013.In: Automatika : Journal for Control, Measurement, Electronics, Computing and Communications. Vol. 54, no. 3 (2013), p. 356-363. - ISSN 1848-3380 Spôsob prístupu: <https://automatika.korema.hr/index.php/automatika/article/view/184>. [KYSLAN, Karol - ĎUROVSKÝ, František]

Ohlasy:

2014 [2] BUTKO, P, FEDOR, T, VITTEK, J Comparison of energy consumption for position controlled PMSM using various energy near-optimal control techniques In: ELEKTRO 2014 : 10th International Conference : Proceedings : Rajecké Teplice, Slovakia S. 268-272 ISBN: 978-1-4799-3721-9

2014 [1] VITTEK, Ján et al. Energy saving position control PMSM drives with constant, linear and quadratic frictions In: OPTIM 2014 : 2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) : Proceedings : Bran, Romania P. 239-244 ISBN: 978-1-4799-5183-3

2015 [1] VITTEK, J. Two cost functions evaluation for energy optimal position control with constant and linear torques In: EDPE 2015 : 18th International Conference on Electrical Drives and Power Electronics : Tatranská Lomnica, 21-23 September, 2015 P. 13-18 ISBN: 978-146737376-0

2016 [1] VITTEK, J. et al. Two Approaches Comparison to Energy Optimal Position Control with Constant and Linear Torques In: ACEMP 2015 : 1st Joint International Aegean Conference on Electrical Machines and Power Electronics : Side, 2-4 September, 2015 P. 699-704 ISBN: 978-146737239-8

2016 [1] JANDURA, Pavel - RICHTER, Ales - FERKOVA, Zelmira Flywheel energy storage system for city railway In: SPEEDAM 2016 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Capri, 22-24 Jun, 2016 P. 1155-1159 ISBN: 978-1-5090-2067-6

2016 [1] VITTEK, Jan et al. Case study of energy optimal and energy near-optimal control algorithms for the drives with constant, linear and quadratic frictions In: PEMC 2016 : IEEE International Power Electronics and Motion Control Conference : Varna, 25-28 Septembra, 2016 P. 672-679 ISSN: 978-1-5090-1798-0

2015 [3] VITTEK, Ján et al. Energy Optimal Control of PMSM Drive for Time-varying Load Torque In: Applied Mechanics and Materials : Innovations in Materials Science, Science, Applied Mechanics, Control and Information Technologies Vol. 710 (2015), p. 67-75 ISBN: 978-3-03835-380-5

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industry modular mobile container platform, feasibility study In: IFAC-PapersOnLine Vol. 49, no. 25 (2016), p. 448-453 ISSN: 2405-8963

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2018 [1] HERMAN, J., BOJKOVSKI, J. Evaluation and uncertainties of an electric direct-drive motor test system with a mathematical model confirmation In: Measurement Science and Technology Vol. 29, no. 10 (2018), article no. 105904 ISSN: 0957-0233

2019 [1] LEE, Kooksun, et al. A robust emulation of mechanical loads using a disturbance-observer In: Energies Vol. 12, no. 12 (2019), art. no. 2236 ISSN: 1996-1073

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ADM002 [161301] **HIL Simulator of Drives of an Industrial Robot with 6 DOF** / Viliam Fedák ... [et al.] - 2015.In: Elektronika Ir Elektrotechnika. Vol. 21, no. 2 (2015), p. 14-19. - ISSN 1392-1215 Spôsob prístupu: <http://eejournal.ktu.lt/index.php/elt/issue/view/414>.

[FEDÁK, Viliam - ĎUROVSKÝ, František - ÜVEGES, Róbert - KYSLAN, Karol - LACKO, Milan]

Ohlasy:

2017 [4] BOBER, Peter Measurement of objective function for BLDC motor optimization In: BOBER, Peter Roč. 17, č. 4 (2017), s. 43-49 ISSN: 1335-8243

2018 [3] DRGOŇA, P., ŠTEFÚN, R., ŠTEFKÉ, L. Design of a dispensing CNC device In: Transactions on Electrical Engineering Vol. 7, no. 2 (2018), p. 37-41 ISSN: 1805-3386

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2018 [1] DRGOŇA, P., ŠTEFÚN, R., ŠTEFKÉ, L', Design and Practical Realization of Dispensing CNC Device In: Vol. 6, no. 3 (2018), p. 76-81 ISSN: 2281-2881

2018 [1] DRGOŇA, P., ŠTEFÚN, R., ŠTEFKÉ, L', Design and practical realization of CNC device designed for automation of the application of viscous materials In: International Review of Mechanical Engineering Vol. 12, no. 8 (2018), p. 714-720 ISSN: 1970-8734

ADM003 [167579] **A Hardware-in-the-Loop Simulator Based on Real Skoda Superb Vehicle and RT-LabCarSim** / Milan Biroš, Karol Kyslan, František Ďurovský - 2015.In: Acta Polytechnica. Vol. 55, no. 6 (2015), p. 366-372. - ISSN 2100-2709 Spôsob prístupu:

<https://ojs.cvut.cz/ojs/index.php/ap/issue/view/466>.

[BIROŠ, Milan - KYSLAN, Karol - ĎUROVSKÝ, František]

ADM004 [168740] **Nonlinear Speed Control of Permanent Magnet Synchronous Motor with Salient Poles** / Karol Kyslan ... [et al.] - 2015.In: Journal of Engineering Science and Technology Review. Vol. 8, no. 5 (2015), p. 128-133. - ISSN 1791-9320 Spôsob prístupu:

http://www.jestr.org/index.php?option=com_content&view=article&id=42&Itemid=87.

[KYSLAN, Karol - ŠLAPÁK, Viktor - PAJKOŠ, Michal - ĎUROVSKÝ, František]

Ohlasy:

2018 [1] WANG, Lei - WEI, Long Low-end locking or crowding-out effects - An empirical analysis of China's manufacturing industry embedded in gvcs In: Transformations in Business and Economics Vol. 17, no. 1 (2018), p. 216-236 ISSN: 1648-4460

ADM005 [178966] **Position Controller for PMSM Based on Finite Control Set Model Predictive Control** / Viktor Šlapák, Karol Kyslan, František Ďurovský - 2016.In: Elektronika Ir Elektrotechnika. Vol. 22, no. 6 (2016), p. 17-21. - ISSN 1392-1215

[ŠLAPÁK, Viktor - KYSLAN, Karol - ĎUROVSKÝ, František]

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2017 [1] JERCIC, Tino et al. Constrained field-oriented control of permanent magnet synchronous machine with field-weakening utilizing a reference governor In: Automatika Vol. 58, no. 4 (2017), p. 439-449 ISSN: 0005-1144

2018 [1] NURTAY, B., DUISENBAY, B., DO, T.D. Direct-torque control system design using maximum torque per ampere method for interior permanent magnet synchronous motors In: ELEKTRO 2018 : 12th International Conference : Mikulov, 21-23 May, 2018 P. 1-6 ISBN: 978-153864759-2

2018 [1] WONG, K.K., HOO, C.L., MOHYI, M.H.H. Anti-windup PI controller, SIPIC for motor position control In: MATEC Web of Conferences volume 152 : Eureca 2017 : 9th International Engineering Research Conference : Selangor, 6 December, 2017 Art. no. 02022 ISSN: 2261-236X

2018 [3] HORVÁTH, Krisztián, KUSLITS, Márton Dynamic Performance of Estimator-based Speed Sensorless Control of Induction Machines Using Extended and Unscented Kalman Filters In: Power Electronics and Drives Vol. 3, no. 1 (2018), p. 129-144 ISSN: 2543-4292

ADM006 [182363] **Optimization of hybrid vehicle drivetrain with genetic algorithm using matlab and advisor** / Milan Biroš, Karol Kyslan, František Ďurovský - 2017.In: Journal Of Engineering Science and Technology Review. Vol. 10, no. 3 (2017), p. 35-40. - ISSN 1791-2377

[BIROŠ, Milan - KYSLAN, Karol - ĎUROVSKÝ, František]

ADM007 [182465] **Material tracking with dynamic torque adaptation for tension control in wire rod mill** / Tomáš Borovský, Karol Kyslan, František Ďurovský - 2017.In: Advances in Electrical and Electronic Engineering. Vol. 15, no. 2 (2017), p. 176-183. - ISSN 1336-1376 Spôsob prístupu:
<http://advances.utc.sk/index.php/AEEE/article/viewFile/2139/1227>.

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AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(1)

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