

Publikácie vytvorené v rámci projektu

Partner projektu: Žilinská univerzita v Žiline

In Loop Design of the Coils and the Electromagnetic Shielding Elements for the Wireless Charging Systems/ Frivaldsky, M.; Pavelek, M.

In: Energies 2020, 13, 6661

Prístup: <https://www.mdpi.com/1996-1073/13/24/6661>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Recovery Procedure for Deeply Discharged LiFePo₄ Traction Battery/ Matus Danko, Juraj Adamec, Peter Drgona, & Michal Frivaldsky

In: Communications - Scientific Letters of the University of Zilina, ISSN 1335-4205, roč.22, č.4, s. 121-127

Prístup: <http://komunikacie.uniza.sk/index.php/communications/article/view/1629>

Aktivita: STORAGE/CHARGING experimental

Podiel: 25%

Partner projektu: Žilinská univerzita v Žiline

FTIR Spectrometry with PLS Regression for Rapid TBN Determination of Worn Mineral Engine Oils/ Sejkorová, M.; Šarkan, B.; Veselík, P.; Hurtová, I.

In: Energies 2020, 13, 6438

Prístup: <https://www.mdpi.com/1996-1073/13/23/6438#cite>

Aktivita: SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

How the lean management decision influences the transportation cost in the supply chain?/ Kozak, T., Madlenak, R., Neszmelyi, G.I.

In: Communications: scientific letters of the University of Žilina. - ISSN 1335-4205. - Roč. 22, č. 4 (2020), s. 13-19

Prístup: <http://komunikacie.uniza.sk/index.php/communications/article/view/1616>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Assessment of impact of aerodynamic loads on the stability and control of the gyrocopter model/ Lusiak T., Novak, A., Bugaj M., Madlenak, R.

In: Communications : scientific letters of the University of Žilina. - ISSN 1335-4205. - Roč. 22, č. 4 (2020), s. 63-69

Prístup: <http://komunikacie.uniza.sk/index.php/communications/article/view/1622>

Aktivita: SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

PEO of AZ31 Mg Alloy: Effect of Electrolyte Phosphate Content and Current Density/ Hadzima, B., Kajánek, D., Jambor, M., Drábiková, J., Březina, M., Buhagiar, J., ... & Jacková, M.

In: Metals, 10(11), 1521

Prístup: <https://www.mdpi.com/2075-4701/10/11/1521>

Aktivita: SAFETY experimental

Podiel: 25%

Partner projektu: Žilinská univerzita v Žiline

Traffic Volumes as a Modal Split Parameter/ Drličiak, Marek; Celko, Jan; Cingel, Michal; Jandacka, Dusan

In: Sustainability 12, no. 24: 10252

Prístup: <https://www.mdpi.com/2071-1050/12/24/10252>

Aktivita: STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Žilinská univerzita v Žiline

Návrh sezónnych liniek na sieti ŽSR/ Milan Dedík, Adrián Šperka, Karol Hrudkay

In: Verejná osobná doprava - VOD 2020 [electronic] : zborník prednášok z medzinárodnej konferencie. - 1 vyd. - Bratislava: Kongres STUDIO, 2020. - ISBN 978-80-89565-43-6. - s. 126-131

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_1.pdf

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Objektivizácia vplyvu degradácie asfaltových krytov cestných vozoviek na hlukovú záťaž ich okolia/ Decký, M., Trojanová, M., Juhás, M., Hodásová, K., Ivanovičová, A.

In: FYZIKÁLNE FAKTORY PROSTREDIA časopis o problematike fyzikálnych faktorov prostredia. Mimoriadne číslo, roč. XI., november 2020, s. 19-22, ISSN 1338-3922

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_2.pdf

Aktivita: IMPACT experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Vplyv zmeny morfológie asfaltových krytov diaľničných vozoviek na trvalo udržateľný ekosystém ich okolia/

In: Decký, M., Remišová, E., Kováč, M., Jandačka, D., Drličiak, M.

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_3.pdf

Aktivita: IMPACT experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Fabrication of combinatorial material libraries by flow cell electrodeposition technique/ Vitalii Latyshev, Serhii Vorobiov, Oleg Shylenko, Vladimir Komanicky

In: Materials Letters, 281 (2020) 12859

Prístup: <https://www.sciencedirect.com/science/article/pii/S0167577X20313008>

Aktivita: STORAGE/CHARGING experimental

Podiel: 33%

Partner projektu: Žilinská univerzita v Žiline

Modeling and Experimental Verification of Induction Heating of Thin Molybdenum Sheets/ Frivaldsky, M.; Pavelek, M.; Donic, T.

In: Appl. Sci. 2021, 11, 647

Prístup: <https://www.mdpi.com/2076-3417/11/2/647>

Aktivita: STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Žilinská univerzita v Žiline

Design of a wireless charging system for e-scooter/ Skorvaga, Frivaldsky

In: ELEKTRONIKA IR ELEKTROTECHNIKA, 2021 - vol.27, No. 2, str.40-48

Prístup: <https://eejournal.ktu.lt/index.php/elt/article/view/28837>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

The biocompatibility of wireless power charging system on human neural cells/ Henrieta Skovierova, Miroslav Pavelek, Terezia Okajcekova, Janka Palesova, Jan Strnadel, Pavol Spanik, Erika Halasova, Michal Frivaldsky

In: Applied Sciences, 2021,11,3611

Prístup: <https://www.mdpi.com/2076-3417/11/8/3611>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Chemical composition, morphology, and distribution of particulate matter produced by road pavement abrasion using different types of aggregates and asphalt binder/ Dusan Jandacka, Dasa Kovalova, Daniela Durcanska & Martin Decky

In: Cogent Engineering, 8:1

Prístup: <https://www.tandfonline.com/doi/full/10.1080/23311916.2021.1884325>

Aktivita: IMPACT experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Analysis of Energy Consumption at Slow Charging Infrastructure for Electric Vehicles/ M. Straka, R. Carvalho, G. V. D. Poel and L. Buzna

In: IEEE Access, vol. 9, pp. 53885-53901, 2021

Prístup: <https://ieeexplore.ieee.org/abstract/document/9395455>

Aktivita: IMPACT experimental

Podiel: 12,50%

Partner projektu: Žilinská univerzita v Žiline

An ensemble methodology for hierarchical probabilistic electric vehicle load forecasting at regular charging stations/ Luboš Buzna, Pasquale De Falco, Gabriella Ferruzzi, Shahab Khormali, Daniela Proto, Nazir Refa, Milan Straka, Gijs van der Poel

In: Applied Energy, Volume 283, 2021, 116337, ISSN 0306-2619

Prístup: <https://www.sciencedirect.com/science/article/pii/S0306261920317207>

Aktivita: IMPACT experimental

Podiel: 6,25%

Partner projektu: Žilinská univerzita v Žiline

Impact of Charging Infrastructure Surroundings on Temporal Characteristics of Electric Vehicle Charging Sessions/ Milan Straka, Luboš Buzna, Gijs van der Poel

In: 4th EAI International Conference, INTSYS 2020, Virtual Event, December 3, 2020, Proceedings 4160-174, Springer International Publishing

Prístup: https://link.springer.com/chapter/10.1007%2F978-3-030-71454-3_10

Aktivita: IMPACT experimental

Podiel: 16,67%

Partner projektu: Žilinská univerzita v Žiline

Simulation verification of balancing system based on number of cells/ Simcak, Danko

In: Communications, Volume 23, 4/2021, ISBN 2585-7878(online), 1335-4205

Prístup: <http://komunikacie.uniza.sk/index.php/communications/issue/view/103>

Aktivita: DRIVELINE experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Electric and plug-in hybrid vehicles and their infrastructure in a particular European region/ Dižo, J., Blatnický, M., Semenov, S., Mikhailov, E., Kostrzewski, M., Drozdziel, P., Štastniak, P.

In: Transportation Research Procedia 55 (2021) 629–636

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004270?via%3Dihub>

Aktivita: SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Modelling and Simulation of the Performance and Combustion Characteristics of a Locomotive Diesel Engine Operating on a Diesel–LNG Mixture/ I. Lipskis, S. Pukalskas, P. Drozdziel, D. Barta, V. Zuraulis, R. Peceliunas

In: Energies 14(17),5318

Prístup: <https://www.mdpi.com/1996-1073/14/17/5318>

Aktivita: SAFETY experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Resuspension of Road Traffic Related Particulate Matter to the Environment/ Jandacka D., Durcanska D.

In: Russian-Polish-Slovak Seminar Theoretical Foundation of Civil Engineering (RSP 2021). Lecture Notes in Civil Engineering, vol 189. pp. 387-396

Prístup: https://link.springer.com/chapter/10.1007%2F978-3-030-86001-1_45

Aktivita: IMPACT experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Influence of iron content on SDAS factor, Al₅FeSi intermetallic phases and porosity of the secondary aluminum alloy AlSi7Mg0.6 used in the automotive industry/ Knap, V., Švecová, I., Tillová, E., & Kuchariková, L.

In: Transportation Research Procedia, 55, 814-820

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004518>

Aktivita: IMPACT experimental

Podiel: 25%

Partner projektu: Žilinská univerzita v Žiline

Comparison of energy performance of railway rolling stock on the track Žilina - Rajec railway line/ Čamaj, J.; Šperka, A.; Dedík, M.; Hrudkay, K.

In: Proceedings of 25th International Scientific Conference. Transport Means 2021, ISSN 2351-7034, str.222-227

Prístup: <https://transportmeans.ktu.edu/wp-content/uploads/sites/307/2018/02/Transport-Means-2021-Part-I.pdf>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Determination and compensation of non-active torques for parallel HEV using PMSM/IM motor(s)/ Dobrucký, Kascák, Frivaldský, Prazenica

In: Energies 2021, 14(10), 2781

Prístup: <https://doi.org/10.3390/en14102781>

Aktivita: DRIVELINE experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Sensorless Speed Control of Brushed DC Motor Based at New Current Ripple Component Signal Processing/ M. Vidlak, L. Gorel, P. Makys, and M. Stano

In: Energies, vol. 14, no. 17, p. 5359, Aug. 2021

Prístup: <https://doi.org/10.3390/en14175359>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Comparative study and overview of field-oriented control techniques for 6-phase PMSM/ Marek Furmanik, Lukáš Gorel, Daniel Konvičný, Pavol Rafajdus

In: Applied Sciences, ISSN 2076-3417

Prístup: <https://doi.org/10.3390/app11177841>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Simulation verification of topologies of balancing systems with flyback converters/ Simcak, Spanik

In: EDPE 2021 - International conference, Dubrovnik, September 2021, ISBN 1339-3944

Prístup: <https://ieeexplore.ieee.org/document/9604091>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Review on high power WPT coil system designs/ Skorvaga, Pavelek

In: EDPE 2021 - International conference, Dubrovnik, September 2021, ISBN 1339-3944

Prístup: <https://ieeexplore.ieee.org/document/9604108>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Comparative electromagnetic design of high-speed PMSM with reduced torque ripple for automotive application, part 1 – stator design/ M. Stano, P. Makys, P., Rafajdus and M. Vidlak

In: 14th International Scientific Conference on Sustainable, Modern and Safe Transport (TRANSCOM 2021), 2021, pp. 1011-1018

Prístup: <https://doi.org/10.1016/j.trpro.2021.07.072>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Comparison between model based and non-model based sensorless methods of brushed DC motor/ M. Vidlak, P. Makys and M. Stano

In: 14th International Scientific Conference on Sustainable, Modern and Safe Transport (TRANSCOM 2021), 2021, pp. 911-918

Prístup: <https://doi.org/10.1016/j.trpro.2021.07.059>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Sensorless speed control of brushed DC machine/ M. Vidlak, L. Gorel, V. Vavrus and P. Makys

In: 2021 International Conference on Electrical Drives & Power Electronics (EDPE), 2021, pp. 169-176, ISBN 1339-3944

Prístup: <https://doi.org/10.1109/EDPE53134.2021.9604103>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Field oriented control adjustment for 6-phase permanent magnet synchronous machines/ Marek Furmanik, Lukáš Gorel, Pavol Rafajdus

In: Scopus, Transcom conference, Elsevier, Transportation Research Procedia, ISSN 2352-1465, 55C, pp. 919-926

Prístup: <https://doi.org/10.1016/j.trpro.2021.07.060>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Effect of increasing the sampling frequency with respect to the bandwidth of the PI controller of current control loop/ Daniel Konvičný, Marek Furmanik, Pavol Makýš

In: Scopus, Transcom conference, Elsevier, Transportation Research Procedia, ISSN 2352-1465, 55C, pp. 935-940

Prístup: <https://doi.org/10.1016/j.trpro.2021.07.190>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Simulation of charge transport in solar cells developed in Comsol Application Builder/ JATP Vieira, P Cendula

In: International Journal of Modelling and Simulation

Prístup: <https://www.tandfonline.com/doi/abs/10.1080/02286203.2021.1963144>

Aktivita: STORAGE/CHARGING experimental

Podiel: 25%

Partner projektu: Žilinská univerzita v Žiline

Definition of Discrete Choice Models of EV Owners Based on Different Socio-Demographic Aspects/ Kajanova, M.; Bracinik, P.

In: Appl. Sci. 2021, 11, 3679

Prístup: <https://doi.org/10.3390/app11083679>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Utilization of modern methods for documentation of traffic accidents in road transport/ Kudela, P.; Fandáková, M.; Palčák, M.; Kordek, J.

In: Proceedings of 25th International Scientific Conference. Transport Means 2021, ISSN 2351-7034, str.584-588

Prístup: <https://transportmeans.ktu.edu/wp-content/uploads/sites/307/2018/02/Transport-Means-2021-Part-II.pdf>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Morning modal split model of economically active people in Zilina region/ Cingel, M.; Drliciak, M.; Celko, J.

In: Transportation Research Procedia, Vol.55, pages 1065-1072

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004853>

Aktivita: IMPACT experimental

Podiel: 60%

Partner projektu: Žilinská univerzita v Žiline

Resilience of the Smart Transport System - Risks and Aims/ Lacinák, M.

In: Transportation Research Procedia, Vol.55, pages 1635-1640

Prístup: <https://www.sciencedirect.com/science/article/pii/S235214652100572X>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

The Use of Simulation in Dealing with Crisis Events within Transport/ Jánošíková, M.; Zábovská, K.

In: Transportation Research Procedia, Vol.55, pages 1641-1648

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521005731>

Aktivita: SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Impact of GPS Interference on Time Synchronization of DVB-T Transmitters/ Machaj, J.; Brida, P.; Majer, N.; Sčehovič, R.

In: Hindawi, Volume 2021, Article ID 8812333

Prístup: <https://www.hindawi.com/journals/misy/2021/8812333/>

Aktivita: IMPACT experimental

Podiel: 35%

Partner projektu: Žilinská univerzita v Žiline

Smart Mobility and Aspects of Vehicle-to-Infrastructure: A Data Viewpoint/ Bučko, B.; Michálek, M.; Papierníková, K.; Zábovská, K.

In: Applied Sciences, 11, 10514

Prístup: <https://www.mdpi.com/2076-3417/11/22/10514>

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Simulation model of battery cell based on LiFePO4 technology/ Šimčák, M., Frivaldský, M.

In: The 5th international conference on nanomaterials: Fundamentals and Applications 2021, ISBN 978-80-574-0039-4

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_4.pdf

Aktivita: STORAGE/CHARGING experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Types of batteries in electric vehicles/ Jaroš J., Čorejová A., Šramová V., Hornická K.

In: Conference proceedings. - Yunona Publishing, New York, USA, 2021. - 204 p., ISBN 978-0-9860467-9-8, Pages: 42-53

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_5.pdf

Aktivita: SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

The compatibility of charging stations for electric vehicles/ Jaroš J., Čorejová A., Šramová V., Hornická K.

In: Research and Innovation: Conference proceedings. - Yunona Publishing, New York, USA, 2021. - 204 p., ISBN 978-0-9860467-9-8, Pages: 54-66

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_6.pdf

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Current state of electromobility in Slovak republic/ Jaroš J., Čorejová A., Šramová V., Hornická K.

In: Research and Innovation: Conference proceedings. - Yunona Publishing, New York, USA, 2021. - 204 p., ISBN 978-0-9860467-9-8, Pages: 67-76

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_7.pdf

Aktivita: IMPACT experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Vehicle-to-Vehicle (V2V) communications ‘overview/ Varmus, M.; Koman, G.; Zábovská, K.; Bučko, B.

In: Proceedings of the 37th International Business Information Management Association Conference (IBIMA), ISBN 978-0-9998551-6-4

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_8.pdf

Aktivita: IMPACT experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Magnetic testing of ferritic stainless steel/ Jančárik, V., Palček, P., & Hilko, K.

In: AIP Conference Proceedings (Vol. 2411, No. 1, p. 050006

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_9.pdf

Aktivita: SAFETY experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

HD Maps and Usage of Laser Scanned Data as a Potential Map Layer/ Bučko, B.; Zábovská, K.; Ristvej, J.; Jánošíková, M.

In: 44th International Convention on Information, Communication and Electronic Technology (MIPRO), ISSN 2623-8764

Prístup: <https://ieeexplore.ieee.org/document/9596722>

Aktivita: SAFETY experimental

Podiel: 80%

Partner projektu: Slovenská technická univerzita v Bratislave

Dual mass flywheel parameter identification/ Magdolen L., Danko J., Milesich T., Nemeč T., Sloboda K., Bucha J.

In: Journal of Mechanical engineering, Vol 71 (2021), No 2, 167-178

Prístup: <https://sciencedo.com/article/10.2478/scjme-2021-0027>

Aktivita: DRIVELINE test

Podiel: 80%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Binder Influence on Electrochemical Properties of Li-S Batteries/ D. Capková, T. Kazda, P. Čudek and A. Straková Fedorková

In: ECS Transactions, Volume 99, Number 1 (2020), 161

Prístup: <https://iopscience.iop.org/article/10.1149/09901.0161ecst>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Innovative Non-Destructive Electromagnetic Methods for Testing and Investigation- are the Basis of New Technologies for Production of High-Energy Lithium Batteries. Part 1. Conductivity of powdered materials/ Volodymyr Redko, Timothy Pastushkin, Elena Shembel, Andrea Straková Fedorková, Volodymyr Khandetsky, Peter Novak, Alexander Redko

In: ECS Transactions, Volume 99, Number 1 (2020), 465

Prístup: <https://iopscience.iop.org/article/10.1149/09901.0465ecst>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Polymer Structure of Sulfur Ensures Low Self Discharge of Li-S Primary and Secondary Batteries. Synergistic Effect of Sulfur Structure and Design of Sulfur Electrode Yuliya Polishchuka/ Elena Shembel, Andrea Straková Fedorková

In: ECS Transactions, Volume 99, Number 1 (2020), 133

Prístup: <https://iopscience.iop.org/article/10.1149/09901.0133ecst>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Innovating Technology Generates Solid Electrolyte with High Ionic Conductivity for Lithium Batteries/ Aleksandra Amelina, Elena Shembel, Andrea Straková Fedorková, Volodymyr Redko

In: ECS Transactions, Volume 99, Number 1 (2020), 177

Prístup: <https://iopscience.iop.org/article/10.1149/09901.0177ecst/meta>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Graphene's Correlation of Electrical and Magnetic Properties Manages the Modification and Increasing the Energy of Li Batteries/ S. Dubinevych, V. Zinin, V. Redko, B. Blyuss, E. Shembel, N. Zaderey, Y. Polishchuk, A. Markevych, A. Straková Fedorková, M. Tkach

In: ECS Transactions, Volume 105, Number 1

Prístup: <https://iopscience.iop.org/article/10.1149/10501.0247ecst/meta>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Pyrite as a Low-Cost Additive in Sulfur Cathode Material for Stable Cycle Performance/ D. Capková, T. Kazda, O. Petruš, J. Macko, K. Jaššo, A. Baskevich, E. Shembel, A. Straková Fedorková

In: ECS Transactions, Volume 105, Number 1

Prístup: <https://iopscience.iop.org/article/10.1149/10501.0191ecst/meta>

Aktivita: STORAGE/CHARGING experimental

Podiel: 14%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

IrRe-IrOx electrocatalysts derived from electrochemically oxidized IrRe thin films for efficient acidic oxygen evolution reaction/ Latyshev, V., Vorobiov, S., Bodnarova, R., Shylenko, O., Lisnichuk, M., Kovalcikova, A., Gregor, M., Komanicky, V.

In: Electrochimica Acta 398 (2021) 139248

Prístup: <https://www.sciencedirect.com/science/article/pii/S0013468621015383>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Metal-organic framework for stable cyclability of Li-S batteries for space missions/ D. Capková, T. Kazda, M. Almáši, O. Čech, K. Jaššo, M. Macák, J. Macko, P. Čudek, N. Király, A. Straková Fedorková

In: 72nd International Astronautical Congress

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_10.pdf

Aktivita: STORAGE/CHARGING experimental

Podiel: 16%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Use of recycled materials in Li-ion batteries/ V. Niščáková, D. Capková, A. Straková Fedorková, S. Hatoková, M. Čigaš, Š. Hanigovský

In: The 5th International Conference on nanaomaterials: Fundamentals and Applications

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_11.pdf

Aktivita: STORAGE/CHARGING experimental

Podiel: 33%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Synthesis of Sulphur-Carbon Nanotubes Composite via Carbon Disulphide Solution for Li-S Batteries/ D. Capková, T. Kazda, M. Almáši, A. Straková Fedorková

In: The 5th International Conference on nanaomaterials: Fundamentals and Applications

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_11.pdf

Aktivita: STORAGE/CHARGING experimental

Podiel: 14%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Development of new catalytic materials for aqueous electrolyzers/ R. Bodnárová, M. Kožejová, V. Latyshev, S. Vorobiov, V. Komanický

In: The 5th International Conference on nanaomaterials: Fundamentals and Applications

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_11.pdf

Aktivita: STORAGE/CHARGING experimental

Podiel: 100%

Partner projektu: Asseco CEIT, a.s.

Acoustic diagnostics of railway vehicles/ Zvolenský P., Leštinský L., Ďungel J., Grenčík J.

In: Transportation Research Procedia 55 (2021) 667-672

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004324>

Aktivita: IMPACT industrial

Podiel: 33,33%

Partner projektu: Asseco CEIT, a.s.

Evaluation of acoustic parameters of air conditioning of railway passenger cars/ Zvolenský P., Leštinský L., Ďungel J., Grenčík J.

In: Transportation Research Procedia 55 (2021) 673-677

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004336?via%3Dihub>

Aktivita: IMPACT industrial

Podiel: 33,33%

Partner projektu: Asseco CEIT, a.s.

Pantograph impact on overall external noise of a railway vehicle/ Zvolenský P., Leštinský L., Ďungel J., Grenčík J.

In: Transportation Research Procedia 55 (2021) 661-666

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146521004312>

Aktivita: IMPACT industrial

Podiel: 33,34%

Partner projektu: Žilinská univerzita v Žiline

Evaluation of the Accuracy of the Identified Equivalent Electrical Circuit of LiPePO4 Battery through Verified Measurements/ Frivaldsky, M.; Simcak, M.

In: Batteries 2022, 8, 38

Prístup: <https://doi.org/10.3390/batteries8050038>

Aktivita: STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Žilinská univerzita v Žiline

Design, construction and calibration of the current sensor for medium frequency high-power electronic applications/ Skala, B., Kindl, V. & Frivaldsky, M.

In: Electr Eng 104, 217–230 (2022)

Prístup: <https://doi.org/10.1007/s00202-021-01429-9>

Aktivita: STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Žilinská univerzita v Žiline

Energy flow control of electric vehicle based on GNSS/ Danko, M., Hanko, B., Drgona, P. et al.

In: Electr Eng 104, 155–163 (2022)

Prístup: <https://doi.org/10.1007/s00202-021-01272-y>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Single-Step Response and Determination of Power Components Mean Values of PES Using p-q Method during Transients/ Dobrucký, B.; Kaščák, S.; Šedo, J.; Praženica, M.; Resutík, P.

In: Appl. Sci. 2022, 12, 11659

Prístup: <https://doi.org/10.3390/app122211659>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

The Vehicle-to-Grid Concept with Respect to the Preferences of Electric Vehicle Drivers and Charging Station Operators/ Kajanova, M.; Bracinik, P.

In: Appl. Sci. 2022, 12(11), 5476

Prístup: <https://www.mdpi.com/2076-3417/12/11/5476>

Aktivita: DRIVELINE experimental a SAFETY experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Analytical Exploration of Harmonics Behavior in Multiphase Machines/ M. Furmanik, M. Staňo and P. Rafajdus

In: 2022 International Conference on Electrical Machines (ICEM), 2022, pp. 2027-2033

Prístup: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9910641>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Fault-Tolerant Sensorless Control for Six-Phase PMSM with Dual Back-EMF Observer/ M. Furmanik, G. Scelba and P. Rafajdus

In: 2022 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM), 2022, pp. 305-311

Prístup: <https://ieeexplore.ieee.org/document/9842049>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Analysis of Loss and Thermal Performance of High Speed PMSM for Automotive Application/ M. Kovacik, P. Rafajdus and M. Stano

In: 2022 ELEKTRO (ELEKTRO), 2022, pp. 1-4

Prístup: <https://ieeexplore.ieee.org/document/9803808>

Aktivita: DRIVELINE experimental

Podiel: 75%

Partner projektu: Žilinská univerzita v Žiline

Reduction of AC Winding Losses in 8/6 SRM/ M. Kamhal, P. Makyš, L. Durin and I. Kister

In: 2022 ELEKTRO (ELEKTRO), 2022, pp. 1-6

Prístup: <https://ieeexplore.ieee.org/document/9803430>

Aktivita: DRIVELINE experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Analysis and comparison of the advanced PMSM model-based motor control strategies/ M. Vidlak, L. Gorel, M. Furmanik and P. Makys

In: 2022 ELEKTRO (ELEKTRO), 2022, pp. 1-9

Prístup: <https://ieeexplore.ieee.org/document/9803347>

Aktivita: DRIVELINE experimental

Podiel: 50%

Partner projektu: Žilinská univerzita v Žiline

Automated Measurement of Traction Line Parameters for Railways/ Koniar D., Hargaš L., Šindler P., Paškala M.

In: IntechOpen

Prístup: <https://www.intechopen.com/online-first/85012>

Aktivita: STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Žilinská univerzita v Žiline

Using of Virtual Instrumentation in the Teaching of Autotronics/ Danko M., Hock O., Šedo J., Hanko B.

In: IntechOpen

Prístup: <https://www.intechopen.com/online-first/85176>

Aktivita: DRIVELINE experimental a STORAGE/CHARGING experimental

Podiel: 90%

Partner projektu: Asseco CEIT, a.s.

Investigation of Noise Generated by Railway Freight Wagon Bogie Type Y25Ls(s)e-K and Proposals of Noise Reduction/ Ďungel J., Zvolenský P., Grenčík J., Krivda J.

In: Vehicles 2022, 4(1), 124-136

Prístup: <https://www.mdpi.com/2624-8921/4/1/8>

Aktivita: IMPACT industrial

Podiel: 100%

Partner projektu: Asseco CEIT, a.s.

Emission of Structural Noise of Tank Wagons Due to Induced Vibrations during Wagon Operation/ Ďungel J., Grenčík J., Zvolenský P.

In: Vibration 2022, 5(3), 628-640

Prístup: <https://www.mdpi.com/2571-631X/5/3/37>

Aktivita: IMPACT industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Compensation of input impedance by digital control for high voltage convertor/ Holček R., Franko M., Šušal M.

In: 2022 International Conference on Applied Electronics (AE), 2022

Prístup: <https://ieeexplore.ieee.org/document/9920061>

Aktivita: DRIVELINE industrial

Podiel: 90%

Partner projektu: EVPÚ, a.s.

Application of inverter parallel operation strategy in railway auxiliary converters/ Biel Z., Šušal M., Kulha P.

In: International Conference on Applied Electronics (AE), 2022

Prístup: <https://ieeexplore.ieee.org/document/9920101>

Aktivita: DRIVELINE industrial

Podiel: 80%

Partner projektu: EVPÚ, a.s.

Implementation of charger current sharing method in railway application using CAN bus/ Šušal M., Biel Z., Pčola M.

In: 2022 International Conference on Applied Electronics (AE), 2022

Prístup: <https://ieeexplore.ieee.org/document/9920088>

Aktivita: DRIVELINE industrial

Podiel: 90%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Structural dependence of hydrogen evolution reaction on transition metal catalysts sputtered at different temperatures in alkaline media/ M.Kožejová, R. Bodnárová, V. Latyshev, M. Lisnichuk, V. Girman, H. You, V.Komanický

In: International journal of hydrogen energy 47 (2022) 26987-26999

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85134594696&origin=resultslist&sort=plf-f>

Aktivita: STORAGE/CHARGING experimental

Podiel: 20%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Study of synergistic effects and compositional dependence of hydrogen evolution reaction on MoxNiy alloy thin films in alkaline media/ R. Bodnárová, M. Kožejová, V. Latyshev, S. Vorobiov, M. Lisnichuk, H. You, M. Gregor, V.Komanický

In: Molecular Catalysis 528 (2022) 112481

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85133920457&origin=resultslist&sort=plf-f>

Aktivita: STORAGE/CHARGING experimental

Podiel: 20%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Post-synthetically modified metal-porphyrin framework GaTCPP for carbon dioxide adsorption and energy storage in Li-S batteries/ Nikolas Kiraly, Dominika Capkova, Miroslav Almasi, Tomas Kazda, Ondrej Cech, Pavel Cudek, Andrea Strakova Fedorkova, Maxim Lisnichuk, Vera Meynen, Vladimir Zelenak

In: RSC Advances

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85137826656&origin=resultslist&sort=plf-f&src=s&st1=Post-synthetically+modified+metal-porphyrin+framework+GaTCPP+for+carbon+dioxide+adsorption+and+energy+storage+in+Li-S+batteries&sid=6c0878b654d7611fc4773fbd57a61b74&sot=b&sdt=b&sl=142&s=TITLE-ABS-KEY%28Post-synthetically+modified+metal-porphyrin+framework+GaTCPP+for+carbon+dioxide+adsorption+and+energy+storage+in+Li-S+batteries%29&relpos=0&citeCnt=2&searchTerm=>

Aktivita: STORAGE/CHARGING experimental

Podiel: 11%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Activated and carbonized metal-organic frameworks for improved cycle performance of cathode material in lithium-sulphur batteries/ D. Capkova, M. Almasi, J. Macko, N. Kiraly, O. Cech, P. Cudek, A. Strakova Fedorkova, V. Knap, T. Kazda

In: Journal of Physics

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85144037863&origin=resultslist&sort=plf-f>

Aktivita: STORAGE/CHARGING experimental

Podiel: 16%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Study of synergistic effects and compositional dependence of hydrogen evolution reaction on MoxNiy alloy thin films in alkaline media/ R. Bodnárová, M. Kožejová, V. Latyshev, S. Vorobiov, M. Lisnichuk, H. You, M. Gregor, V.Komanický

In: Molecular Catalysis 528 (2022) 112481

Prístup:

<https://app.crepc.sk/?fn=detailBiblioFormChildA4SFN&sid=127BC1C05E254D1F2CDA731B9F&seo=CREP%C4%8C-detail-%C4%8Cl%C3%A1nok>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Structural dependence of hydrogen evolution reaction on transition metal catalysts sputtered at different temperatures in alkaline media/ M.Kožejová, R. Bodnárová, V. Latyshev, M. Lisnichuk, V. Girman, H. You, V.Komanický

In: International journal of hydrogen energy 47 (2022) 26987-26999

Prístup: <https://unibook.upjs.sk/img/cms/2022/6-international-conference-nanomaterials.pdf>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Analysis of 3.4 Ah lithium-sulfur pouch cells by electrochemical impedance spectroscopy/ Dominika Capková, Václav Knap, Andrea Straková Fedorková, Daniel Ioan-Stroe

In: Journal of Energy Chemistry 72 (2022) 318-325

Prístup: <https://www.sciencedirect.com/science/article/pii/S2095495622002789?via%3Dihub>

Aktivita: STORAGE/CHARGING experimental

Podiel: 100%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Influence of metal-organic framework MOF-76(Gd) activation/carbonization on the cycle performance stability in Li-S battery/ D. Capková, T. Kazda, O. Čech, N. Király, T. Zelenka, P. Čudek, A. Sharma, V. Hornebecq, A. Straková Fedorková, M. Almáši

In: Journal of Energy Storage 51 (2022) 104419

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352152X22004431?via%3Dihub>

Aktivita: STORAGE/CHARGING experimental

Podiel: 16%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Metal-Organic Framework Modified by Nickel Ions to Provide Enhanced Cycle Performance of Lithium-Sulfur Batteries/ D. Capkova, T. Kazda, N. Kiraly, M. Almasi, O. Cech, A. Strakova Fedorkova

In: The 6th International conference on Nanomaterials: Fundamentals and Applications

Prístup:

<https://app.crepc.sk/?fn=detailBiblioFormChildY9JRO&sid=42C180975FAB63010A72A6518D&seo=CREP%C4%8C-detail-kapitola-/-pr%C3%ADspevok>

Aktivita: STORAGE/CHARGING experimental

Podiel: 16%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Metal-Organic Frameworks for Improved Cycle Performance of Lithium-Sulphur Batteries/ D.

Capkova, M. Almasi, N. Kiraly, T. Kazda, A. Strakova Fedorkova

In: Novel trends in chemistry, research and education 2022

Prístup: <https://unibook.upjs.sk/img/cms/2022/novel-trends-in-chemistry-research-education.pdf>

Aktivita: STORAGE/CHARGING experimental

Podiel: 16%

Partner projektu: Slovenská technická univerzita v Bratislave

Wear of TiAlCN Coating on HCR Gear/ Švec P., Magdolen L., Protasov R., Bošanský M, Gondár E.

In: Lubricants 2022, 10(12), 342

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85144831785&origin=resultslist&sort=plf-f>

Aktivita: DRIVELINE test

Podiel: 95%

Partner projektu: Slovenská technická univerzita v Bratislave

Conditions for Loss of Stability of an Autonomous Vehicle during a Cornering Manoeuvre/ Magdolen L., Danko J., Milesich T, Kevický I, Hanko L, Skyrca R.

In: Volume & Issue: Volume 72 (2022) - Issue 3 (November 2022), Page range: 129 - 140

Prístup: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85143069513&origin=resultslist&sort=plf-f>

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85143069513&origin=resultslist&sort=plf-f&src=s&st1=CONDITIONS+FOR+LOSS+OF+STABILITY+OF+AN+AUTONOMOUS+VEHICLE+DURING+A+CORNERING+MANOEUVRE&sid=e52effeb4e4e34a13a486c1c6148238e&sot=b&sdt=b&sl=93&s=TITLE%28CONDITIONS+FOR+LOSS+OF+STABILITY+OF+AN+AUTONOMOUS+VEHICLE+DURING+A+CORNERING+MANOEUVRE%29&relpos=0&citeCnt=0&searchTerm=>

Aktivita: SAFETY test

Podiel: 80%

Partner projektu: Žilinská univerzita v Žiline

GNSS Spoofing – Advanced Mechanizms of Detection/ Vojtech Šimák, Jozef Šedo

In: Transport And Communications 2023, 11(1):41-44

Prístup: https://tac.uniza.sk/artkey/tac-202301-0008_gnss-spoofing-8211-advanced-mechanizms-of-detection.php

Aktivita: DRIVELINE experimental

Podiel: 100%

Partner projektu: Žilinská univerzita v Žiline

Data acquisition unit for road vehicle or aircraft/ Vojtech Šimák, Matúš Danko

In: Transport And Communications 2023, 11(1):38-40

Prístup: https://tac.uniza.sk/artkey/tac-202301-0007_data-acquisition-unit-for-road-vehicle-or-aircraft.php

Aktivita: DRIVELINE experimental

Podiel: 100%

Partner projektu: Univerzita Pavla Jozefa Šafárika v Košiciach

Investigation of the temperature and DOD effect on the performance-degradation behavior of lithium–sulfur pouch cells during calendar aging/ D. Capkova, V. Knap, A. Strakova Fedorkova, D.-I. Stroe

In: Applied Energy 332 (2023) 120543

Prístup: <https://www.sciencedirect.com/science/article/pii/S0306261922018001>

Aktivita: STORAGE/CHARGING experimental

Podiel: 50%

Partner projektu: Slovenská technická univerzita v Bratislave

Systematic Study of the Effects of High Shear Granulation Parameters on Process Yield, Granule Size, and Shape by Dynamic Image Analysis/ Oliver Macho, Ľudmila Gabrišová, Peter Peciar, Martin Juriga, Róbert Kubinec, Pavol Rajniak, Petra Svačinová, Tereza Vařilová, Zdenka Šklubalová

In: Pharmaceutics 2021, 13(11), 1894

Prístup: <https://www.mdpi.com/1999-4923/13/11/1894>

Aktivita: SAFETY test

Podiel: 25%

Partner projektu: Slovenská technická univerzita v Bratislave

Hard Thin Layers as a Contribution to Increase the Surface Bearing Capacity of C-C Gearing/ Miroslav Bošanský, Roman Protasov, Luboš Magdolen

In: ScienFist.org, Volume 7, Issue 1 (2023), ISSN: 1339-9470

Prístup: <http://scienfist.org/2023-1.html>

Aktivita: DRIVELINE test

Podiel: 90%

Partner projektu: Slovenská technická univerzita v Bratislave

Analysis of Internal Parameters of the Low-energy Synthesis Gases in the Combustion Engine/ Luboš Magdolen, Andrej Chríbik, Marián Polóni

In: ScienFist.org, Volume 7, Issue 1 (2023), ISSN: 1339-9470

Prístup: <http://scienfist.org/2023-1.html>

Aktivita: DRIVELINE test

Podiel: 100%

Partner projektu: Slovenská technická univerzita v Bratislave

Vplyv skladu sintezovaného plynu na proces zgorjannja sumiši u dviguni vnútrišného zgorjannja/ Chríbik, Andrej, Polóni, Marián, Magdolen, Luboš, Majkút, Andrej, Protasov, Roman

In: Bulletin of the National Technical University – Charkov (Ukrajina) : National Technical University "Kharkiv Polytechnic Institute". – ISSN 2079-0775. – ISSN (online) 2413-4295. – č. 1 (2023), s. 152-159

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_12.pdf

Aktivita: DRIVELINE test

Podiel: 80%

Partner projektu: Slovenská technická univerzita v Bratislave

Pohonné systémy hybridných autobusov/ Haška, Aleksander Gustav, Magdolen, Lubos

In: Študentská vedecká konferencia 2023; Spektrum STU , 2023. – ISBN 978-80-227-5292-3, s. 42-42

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_13.pdf

Aktivita: DRIVELINE test

Podiel: 50%

Partner projektu: Slovenská technická univerzita v Bratislave

Návrh funkcie predhrievania batérie pre BEV vozidla použitím systémového inžinierstva/ Puljiz, Daniel, Magdolen, Lubos

In: Študentská vedecká konferencia 2023; Spektrum STU , 2023. – ISBN 978-80-227-5292-3, s. 38-38

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_14.pdf

Aktivita: DRIVELINE test

Podiel: 50%

Partner projektu: Slovenská technická univerzita v Bratislave

Observation of the mass transfer zone during VOC adsorption/ Gabrišová Ľ., Macho O., Blaško J.

In: International Conference on Chemical Technology, Mikulov, Česko; Book of abstracts of the 10th International Conference on Chemical Technology 2023 – ISBN 978-80-88214-40-3, s. 111-111

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_15.pdf

Aktivita: SAFETY test

Podiel: 75%

Partner projektu: Slovenská technická univerzita v Bratislave

Effect of physical properties of granulated activated carbon on VOC adsorption/ Ľudmila Gabrišová, Oliver Macho, Zuzana Gábrišová, Jaroslav Blaško, Juraj Kabát

In: Proceedings of the 49th International Conference of SSCHE – ISBN 978-808208-101-8, s. 196-196

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_16.pdf

Aktivita: SAFETY test

Podiel: 55%

Partner projektu: Slovenská technická univerzita v Bratislave

Application of wet granulation process to hydralazine powder mixture/ Oliver Macho, Ľudmila Gabrišová, Tomáš Jandura, Adam Gušťačík, Matúš Čierny

In: Proceedings of the 49th International Conference of SSCHE – ISBN 978-808208-101-8, s. 69-69

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_17.pdf

Aktivita: SAFETY test

Podiel: 50%

Partner projektu: Slovenská technická univerzita v Bratislave

Zariadenie na meranie mechanických vlastností biomateriálov/ Miček, Andrej, Bachratý, Michal, Rybář, Jan, Lukšicová, Lívia

In: Metrologie; Úřad pro technickou normalizaci metrologii a státní zkušebnictví. – ISSN 1210-3543. – Roč. 32, č. 2 (2023), s. 21-23

Prístup: https://icots.uniza.sk/wp-content/publikacie/PDF_18.pdf

Aktivita: SAFETY test

Podiel: 50%

Partner projektu: EVPÚ, a.s.

Node Ringing Reduction of Synchronous Buck Converter/ Marcel Pčola, Zdeno Biel, Roman Kučera, Marek Franko, Roman Holček, Michal Frivaldský

In: Communications - Scientific letters of the University of Zilina

Prístup: <https://komunikacie.uniza.sk/corproof.php?tartkey=csl-000000-2099>

Aktivita: STORAGE/CHARGING industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Design of Power Transformer with Frequency 1 Khz/ Marek Franko, Roman Kučera, Zdeno Biel, Roman Holček, Michal Frivaldský

In: Communications - Scientific letters of the University of Zilina

Prístup: <https://komunikacie.uniza.sk/corproof.php?tartkey=csl-000000-2088>

Aktivita: STORAGE/CHARGING industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Efficiency comparison of Si IGBT and SiC MOSFET based three-phase inverters/ Zdeno Biel, Marcel Pčola, Jozef Ondrejčka, Marek Franko, Michal Frivaldský

In: Communications - Scientific letters of the University of Zilina

Prístup: <https://komunikacie.uniza.sk/corproof.php?tartkey=csl-000000-2087>

Aktivita: DRIVELINE industrial a STORAGE/CHARGING industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Brief overview of the general aspects of electromobility/ Marek Franko, Matus Danko, Michal Frivaldsky, Peter Bracinik

In: TRANSCOM 2023: 15th International Scientific Conference on Sustainable, Modern and Safe Transport

Prístup: <https://www.sciencedirect.com/science/article/pii/S2352146523005148>

Aktivita: SAFETY industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Development and Performance Investigation of the Direct Brushless Torque Motor/ Marek Franko, Jaroslav Záruba, Jaroslav Rajníček, Martin Hraško, Michal Frivaldský

In: Communications - Scientific letters of the University of Zilina

Prístup: <https://komunikacie.uniza.sk/corproof.php?tartkey=csl-000000-2098>

Aktivita: DRIVELINE industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Supercapacitor Module Sizing concerning Operational Constraints of the Power Converter/ Zdeno Biel, Marcel Pčola, Gabriel Kácsor, Marek Franko, Juraj Surový, Michal Frivaldský

In: Communications - Scientific letters of the University of Zilina

Prístup: <https://komunikacie.uniza.sk/corproof.php?tartkey=csl-000000-2090>

Aktivita: STORAGE/CHARGING industrial a SAFETY industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Experimental Measurements of Four Parallel-Connected Three-Phase Inverters of Railway Auxiliary Converters/ Zdeno Biel, Marek Franko

In: Transport And Communications 2023, 11(1):1-4

Prístup: https://tac.uniza.sk/artkey/tac-202301-0001_experimental-measurements-of-four-parallel-connected-three-phase-inverters-of-railway-auxiliary-converters.php

Aktivita: DRIVELINE industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

High power – high frequency transformer design constrains/ Marek Franko, Roman Kučera, Zdeno Biel, Roman Holček

In: Transport And Communications 2023, 11(1):5-9

Prístup: https://tac.uniza.sk/artkey/tac-202301-0002_high-power-8211-high-frequency-transformer-design-constrains.php

Aktivita: SAFETY industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Input impedance of static power inverter of auxiliary drives of rolling stock according to UIC 550-3/ Marek Franko, Roman Kučera, Zdeno Biel, Roman Holček

In: Transport And Communications 2023, 11(1):10-14

Prístup: https://tac.uniza.sk/artkey/tac-202301-0003_input-impedance-of-static-power-inverter-of-auxiliary-drives-of-rolling-stock-according-to-uic-550-3.php

Aktivita: STORAGE/CHARGING industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Measurement of the influence of changes in the HV converter SW on the input impedance/ Marek Franko, Roman Kučera, Zdeno Biel, Roman Holček

In: Transport And Communications 2023, 11(1):15-17

Prístup: https://tac.uniza.sk/artkey/tac-202301-0004_measurement-of-the-influence-of-changes-in-the-hv-converter-sw-on-the-input-impedance.php

Aktivita: STORAGE/CHARGING industrial

Podiel: 100%

Partner projektu: EVPÚ, a.s.

Measurement Of Parallel Operation Of Inverters To Common 3 Phase Network/ Peter Jeck, Zdeno Biel

In: Transport And Communications 2023, 11(1):18-22

Prístup: https://tac.uniza.sk/artkey/tac-202301-0005_measurement-of-parallel-operation-of-inverters-to-common-3-phase-network.php

Aktivita: DRIVELINE industrial

Podiel: 100%