

Advanced vehicle dynamics

Vu, Trieu Minh 2012 https://www.ester.ee/record=b5541710*est

Application of artificial intelligence in smart kitchen

Vu, Trieu Minh; Khanna, Riva International Journal of Innovative Technology and Interdisciplinary Sciences : IJTIS 2018 / p. 1-8 : ill
<https://doi.org/10.15157/IJTIS.2018.1.1.1-8>

Automatic control of clutches and simulations for parallel hybrid vehicles

Vu, Trieu Minh; Rashid, A. A. International Journal of Automotive Technology 2012 / p. 645-651 : ill
<https://link.springer.com/article/10.1007/s12239-012-0063-y>

Clutch control and vibration reduction for a hybrid electric vehicle

Vu, Trieu Minh Proceedings of the Institution of Mechanical Engineers. Part I, Journal of systems and control engineering 2012 / p. 867-874 : ill
<https://journals.sagepub.com/doi/10.1177/0959651812445842?icid=int.sj-full-text.similar-articles.1>

Control of autonomous mobile robots using wireless network and MATLAB

Vu, Trieu Minh; Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Pölder, Ahti; Hiimaa, Maito; Juurma, Märt Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 235-240 : ill
<http://innomet.ttu.ee/daaam/>

Control of radial increment and winding density of composite cylindrical shells

Kutin, Aleksei; Arjassov, Gennadi; Vu, Trieu Minh; Musalimov, Victor; Moezzi, Reza; Cyrus, Jindrich MM science journal 2020 / p. 4149-4153
https://doi.org/10.17973/MMSJ.2020_11_2020058 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and implementation of a smart mechatronic elbow brace

Vu, Trieu Minh; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Handbook of research on advanced mechatronic systems and intelligent robotics 2020 / p. 1-18 : ill
<https://doi.org/10.4018/978-1-7998-0137-5.ch001>

Design and simulations of dual clutch transmission for hybrid electric vehicles

Vu, Trieu Minh; Abouelkheir, Moustafa International journal of electric and hybrid vehicles 2017 / p. 302-321 : ill
<https://doi.org/10.1504/IJEHV.2017.089873> [Journal metrics at Scopus](#) [Article at Scopus](#)

Design of a wearable mechatronic brace

Vu, Trieu Minh; Tamre, Mart; Safonov, Aleksei; Kovalenko, Pavel; Monahov, Juri 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 9-13 : ill
http://ise.elnet.ee/record=b2949854~S2*est

Development and simulation of an adaptive control system for the teleoperation of medical robots

Vu, Trieu Minh Engineering creative design in robotics and mechatronics 2013 / p. 173-185 : ill

Development of a real-time clutch transition strategy for a parallel hybrid electric vehicle

Vu, Trieu Minh; Hashim, F. B. Mohd; Awang, M. Proceedings of the Institution of Mechanical Engineers. Part I, Journal of systems and control engineering 2012 / p. 188-203
https://www.researchgate.net/publication/277473621_Development_of_a_real-time_clutch_transition_strategy_for_a_parallel_hybrid_electric_vehicle

Development of a wireless communication network for monitoring and controlling of autonomous robots

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Kovalenko, Pavel; Monahov, Juri International journal of robotics and automation 2018 / 16 p
<https://doi.org/10.2316/Journal.206.2018.3.206-4759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a wireless sensor network combining MATLAB and embedded microcontrollers

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Altunin, Valeri Sensor letters 2015 / p. 1091-1096 : ill
<https://doi.org/10.1166/sl.2015.3594> [Journal metrics at Scopus](#) [Article at Scopus](#)

Development of anti-lock braking system (ABS) for vehicles braking

Vu, Trieu Minh; Oamen, Godwin; Vassiljeva, Kristina; Teder, Leo Open engineering 2016 / p. 554-559 : ill
<https://doi.org/10.1515/eng-2016-0078> [Journal metrics at Scopus](#) [Article at Scopus](#)

Feasible path planning for autonomous vehicles

Vu, Trieu Minh; Pumwa, John Mathematical problems in engineering 2014 / p. 1-12 : ill
<https://doi.org/10.1155/2014/317494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuel economy regression analyses for hybrid electric vehicle

Vu, Trieu Minh; Moezzi, Reza; Owe, Israel European journal of electrical engineering 2018 / p. 363-377
<https://doi.org/10.3166/ejee.20.363-377> [Journal metrics at Scopus](#) [Article at Scopus](#)

Fuzzy logic and slip controller of clutch and vibration for hybrid vehicle

Vu, Trieu Minh; Pumwa, John International journal of control, automation and systems 2013 / p. 526-532 : ill

<https://doi.org/10.1007/s12555-012-0006-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuzzy logic control for a ball and beam system

Moezzi, Reza; Vu, Trieu Minh; Tamre, Mart International Journal of Innovative Technology and Interdisciplinary Sciences : IJTIS

2018 / p. 39-48 : ill <https://doi.org/10.1515/IJTIS.2018.1.1.39-48>

Fuzzy logic control for non-linear model of the ball and beam system

Moezzi, Reza; Vu, Trieu Minh Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th

April 2016, Tallinn, Estonia 2016 / p. 60-65 : ill <http://innomet.ttu.ee/daaam/>

Fuzzy logic control of clutch for hybrid vehicle

Vu, Trieu Minh 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 26-30 : ill

Haptic glove for augmented and virtual reality

Vu, Trieu Minh 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 19-20 : ill

https://www.ester.ee/record=b5183874*est

Haptic smart glove for augmented and virtual reality

Vu, Trieu Minh; Moezzi, Reza; Katushin, Nikita Sensor letters 2019 / p. 358-364 <https://doi.org/10.1166/sl.2019.4070>

Implementation of X-Parameters principle for non-linear vibroacoustic membrane using Two-Port measurement

Moezzi, Reza; Hlava, Jaroslav; **Vu, Trieu Minh** Traitement du signal 2019 / p. 297-301 <https://doi.org/10.18280/ts.360401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intelligent kitchen model for smart homes

Vu, Trieu Minh; Khanna, Riva Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th

April 2016, Tallinn, Estonia 2016 / p. 203-208 : ill <http://innomet.ttu.ee/daaam/>

International journal of innovative technology and interdisciplinary sciences : IJTIS [Online resource]

2018 https://www.ester.ee/record=b5175856*est <https://journals.indexcopernicus.com/search/details?id=50673>

Laboratory testing of materials for tunnel boring machine drag bits

Katušin, Dmitri; Antonov, Maksim; Vu, Trieu Minh; Yung, Der-Liang 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 300-303 : ill

Model predictive control for modeling human gait motions assisted by Vicon technology

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Kovalenko, Pavel; Rubinshtein, Irina; Ovchinnikov, Ivan; Krcmarik, David; Moezzi, Reza Journal Européen des systèmes automatisés 2020 / p. 589-600 <https://doi.org/10.18280/jesa.530501> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modeling and control simulation for a condensate distillation column

Vu, Trieu Minh; Pumwa, John Distillation - advances from modeling to applications 2012 / 32 p. : ill

<https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=3c9b8c3b1ff2d8995fe8c01ddc350cb9ad4a460d>

Modeling and control strategy for hybrid electrical vehicle

Vu, Trieu Minh; Sivitski, Alina; Tamre, Mart; Penkov, Igor New applications of electric drives 2015 / p. 27-57 : ill

Modeling and control strategy for hybrid electrical vehicle

Vu, Trieu Minh; Sivitski, Alina; Tamre, Mart; Penkov, Igor New applications of electric drives 2015 / p. 27-57 : ill

<http://dx.doi.org/10.5772/61415>

Modeling and model predictive control for hybrid electric vehicles

Vu, Trieu Minh; Rashid, A. A. International Journal of Automotive Technology 2012 / p. 477-485 : ill

https://www.researchgate.net/publication/257777158_Modeling_and_model_predictive_control_for_hybrid_electric_vehicles

Modeling and robust control algorithms for a linear belt driven system

Vu, Trieu Minh; Tamre, Mart; Sekhri, Even Open computer science 2018 / p. 142-153 : ill <https://doi.org/10.1515/comp-2018-0010>

[Journal metrics at Scopus](#) [Article at Scopus](#)

Modeling and simulation of dual clutch transmission and hybrid electric vehicles

Abouelkheir, Moustafa; Vu, Trieu Minh Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 168-174 : ill <http://innomet.ttu.ee/daaam/>

Modeling human gait based on model predictive control

Ovchinnikov, Ivan; **Vu, Trieu Minh**; Kovalenko, Pavel Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 185-190 : ill <http://innomet.ttu.ee/daaam/>

Motion tracking glove for augmented reality and virtual reality

Vu, Trieu Minh; Katushin, Nikita; Pumwa, John Paladyn, journal of behavioral robotics 2019 / p. 160–166 : ill
<https://doi.org/10.1515/pjbr-2019-0012> [Journal metrics at Scopus](#) [Article at Scopus](#)

Nonlinear model predictive controller and feasible path planning for autonomous robots

Vu, Trieu Minh Open computer science 2016 / p. 178-186 : ill <https://doi.org/10.1515/comp-2016-0015> [Journal metrics at Scopus](#) [Article at Scopus](#)

Performances of PID and different fuzzy methods for controlling a ball on beam

Vu, Trieu Minh; Tamre, Mart; Moezzi, Reza; Mets, Oliver; Jürise, Mart; Põlder, Ahti; Teder, Leo; Juurma, Märt Open engineering 2016 / p. 145-151 : ill <https://doi.org/10.1515/eng-2016-0018> [Journal metrics at Scopus](#) [Article at Scopus](#)

Predictive control for controlling and driving autonomous vehicles

Vu, Trieu Minh Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 311-316 : ill

Regression models and fuzzy logic prediction of TBM penetration rate

Vu, Trieu Minh; Katušin, Dmitri; Antonov, Maksim; Veinthal, Renno Open engineering 2017 / p. 60-68 : ill
<https://doi.org/10.1515/eng-2017-0012> [Journal metrics at Scopus](#) [Article at Scopus](#)

Smart elbow brace with electromyography sensors

Vu, Trieu Minh; Tamre, Mart; Moezzi, Reza; Safonov, Aleksei; Musalimov, Victor Sensor letters 2018 / p. 924-930
<https://doi.org/10.1166/sl.2018.4045>

Stability for switched dynamic hybrid system

Vu, Trieu Minh Mathematical and computer modelling 2013 / p. 78-83

Trajectory generation for autonomous mobile robots

Vu, Trieu Minh Computational intelligence for decision support in cyber-physical systems 2014 / p. 195-214 : ill
https://doi.org/10.1007/978-981-4585-36-1_6 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

Trajectory generation for autonomous vehicles

Vu, Trieu Minh Mechatronics 2013 : recent technological and scientific advances 2014 / p. 615-626 : ill

Vehicle sideslip modeling and estimation

Vu, Trieu Minh 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 37-41 : ill

Vehicle steering dynamic calculation and simulation

Vu, Trieu Minh Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0237-0242 : ill [CD-ROM]
https://www.researchgate.net/publication/259632108_VEHICLE_STEERING_DYNAMIC_CALCULATION_AND_SIMULATION

Wireless sensor network for kitchen automation

Vu, Trieu Minh 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 51-54 : ill http://www.ester.ee/record=b4650094*est

Моделирование походки человека в среде MATLAB/SIMULINK

Ovchinnikov, Ivan; Kovalenko, Pavel; **Vu, Trieu Minh** Известия высших учебных заведений. Приборостроение = Journal of instrument engineering 2016 / c. 690-694 : ил <http://dx.doi.org/10.17586/0021-3454-2016-59-8-690-694>