

Application of memristor in simulation of friction processes

Nuzhdin, Kirill; Musalimov, Victor; Sivitski, Alina Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 162-167 : ill

Calculation of plate plane motion parameters using inertial measurement system

Žigailov, Sergei; Verchenko, Anton; Musalimov, Victor; Arjassov, Gennadi Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 192-198 : ill

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 mechatronic elbow orthosis

Minh, Vu Trieu; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Mechatronic Systems and Control 2020 / p. 231 - 238 <https://doi.org/10.2316/J.2020.201-0056> [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 of experimental stand for human gait imitation

Zhigailov, Sergei; Musalimov, Victor; Arjassov, Gennadi Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 300-304 : ill

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

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii 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](#)

Digital control modeling for transportation problem optimization

Musalimov, Victor; Ruban, Dmitry; Ruban, Olga Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 19-22 : ill

Experimental and analytical modelling of pelvic motion = Vaagna liikumise eksperimentaalne ja analüütiline modelleerimine

Žigailov, Sergei 2016 https://www.ester.ee/record=b4601194*est

Global descripttors [i.e descriptors] application in object recognition

Kupriyanov, Dmitry; Shvarts, Dmitry; Musalimov, Victor; Tamre, Mart Shaping the Future by Engineering : 58th IWK, Ilmenau Scientific Colloquium, Technische Universität Ilmenau, 8-12 September 2014 : proceedings 2014 / p. 1-6 : ill

Human foot motion simulation during walking

Žigailov, Sergei; Arjassov, Gennadi; Penkov, Igor; Musalimov, Victor Machines, technologies, materials 2019 / p. 198-201 : ill
<https://stumejournals.com/journals/mtm/2019/5/198>

Measurement and analysis of human lower limbs movement parameters during walking

Žigailov, Sergei; Kuznetsov, Artem; Musalimov, Victor; Arjassov, Gennadi The 9th International Conference Mechatronics Systems and Materials : MSM-2013 : abstracts 2013 / p. 268

Measurement and analysis of human lower limbs movement parameters during walking

Žigailov, Sergei; Kuznetsov, Artem; Musalimov, Victor; Arjassov, Gennadi Mechatronic systems and materials VI 2015 / p. 538-543 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.538> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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 of the human lower-limb motion, design and control of knee joint orthosis

Musalimov, Victor; Monahov, Yuri; **Tamre, Mart**; Rōbak, Dmitri; **Sivitski, Alina**; Arjassov, Gennady; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 <https://doi.org/10.15866/iremos.v10i5.11853> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modelling and simulation of human lower-limb motion

Žigailov, Sergei; Musalimov, Victor; **Arjassov, Gennadi**; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2016 / p. 114-123 : ill <https://doi.org/10.15866/iremos.v9i2.8358> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modelling of the human knee joint supported by active orthosis

Musalimov, Victor; Monahov, Juri; **Tamre, Mart**; Rōbak, Dmitri; **Sivitski, Alina**; **Arjassov, Gennadi**; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 107-120 : ill <https://doi.org/10.1515/ijame-2018-0007> [Journal metrics at Scopus](#) [Article at Scopus](#)

Motion imitation of the human pelvic and hip joints

Musalimov, Victor; **Arjassov, Gennadi**; **Žigailov, Sergei**; Rōbak, Dmitri; **Penkov, Igor** Mechatronics systems and materials 2018 2018 / art. 020046, 6 p. : ill <https://doi.org/10.1063/1.5066508> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Precision of simulation models of human lower limb motion

Rōbak, Dmitri; Musalimov, Victor; **Arjassov, Gennadi**; **Penkov, Igor** The 16th International Conference "Mechatronic Systems and Materials" : MSM 2021 July 1, 2021 - July 2, 2021 : abstract book 2021 / p. 9-11 <https://vb.vgtu.lt/object/elaba:100810507/100810507.pdf>

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>

Математическое моделирование движения нижних конечностей человека

Žigailov, Sergei; Musalimov, Victor; **Arjassov, Gennadi**; **Penkov, Igor** Известия высших учебных заведений. Приборостроение 2016 / с. 683-689 : ил <http://dx.doi.org/10.17586/0021-3454-2016-59-8-683-689>