

A solution to perceptual aliasing through probabilistic fuzzy logic and SIFT

Qamar, Syeda Madiha; Iqbal, Khawaja Fahad; **Muhammad, Naveed** 2013 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : Mechatronics for Human Wellbeing : July 9-12, 2013, Wollongong, Australia 2013 / p. 1393-1398 : ill

Application of genetic algorithms to neural networks based control of a liquid level tank system

Vassiljeva, Kristina; Belikov, Juri; Petlenkov, Eduard 2014 International Joint Conference on Neural Networks (IJCNN) : July 6-11, 2014, Beijing, China 2014 / p. 2525-2530 : ill <https://doi.org/10.1109/IJCNN.2014.6889912> [Conference proceedings at Scopus Article at Scopus Article at WOS](#)

Application of MPC to industrial water boiler control system in district heat plant

Vansovits, Vitali; Petlenkov, Eduard; Vassiljeva, Kristina; Tepljakov, Aleksei; Belikov, Juri 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 1609-1614 : ill

Automaatkontrolli süsteemid

1966 https://www.ester.ee/record=b1359958*est

Automated software-based self-test generation for microprocessors

Jasnetski, Artjom; Ubar, Raimund-Johannes; Tšertov, Anton Proceedings of the 24st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2017 : Bydgoszcz, Poland, June 19-21, 2014 2017 / p. 453-458 : ill <https://doi.org/10.23919/MIXDES.2017.8005252>

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>

Automatic implementation-time usability evaluation for web user interfaces = Veebi kasutajaliidese kasutatavuse automaatne hindamine realiseerimisfaasis

Marenkov, Jevgeni 2019 https://www.ester.ee/record=b5231048*est

Control features of multicell-type current regulator for resistance welding

Verbytskyi, Ievgen; Bondarenko, Oleksandr; **Liivik, Elizaveta** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124846>

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 simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers

Aksjonov, Andrei; Augsburg, Klaus; **Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <https://doi.org/10.3390/app6120382> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Efficiency map comparison of induction and synchronous reluctance motors

Rassõlkin, Anton; Heidari, Hamidreza; Kallaste, Ants; Vaimann, Toomas; Acedo, Jaime Pando; Romero-Cadaval, Enrique 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January – 2nd of February 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/IWED.2019.8664334>

Energy-efficient predictive control of centrifugal multi-pump stations

Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja; Raud, Zoja; Gevorkov, Levon PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 233-238 : ill <https://doi.org/10.1109/PQ.2016.7724119>

FOMCON : a MATLAB toolbox for fractional-order system identification and control

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri International journal of microelectronics and computer science 2011 / p. 51-62 https://www.researchgate.net/publication/259741855_FOMCON_a_MATLAB_toolbox_for_fractional-order_system_identification_and_control

FOMCON : fractional-order modeling and control toolbox for MATLAB

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Proceedings of the 18th International Conference Mixed Design of Integrated

Gain and order scheduled fractional-order PID control of fluid level in a multi-tank system

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri 2014 International Conference on Fractional Differentiation and its Applications (ICFDA) : Catania, Italy, 23-25 June 2014 2014 / [6] p. : ill

Going open source in developing production monitoring system

Snatkin, Aleksei; Eiskop, Tanel Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 171-173 : ill

Grey box identification of fractional-order system models from frequency domain data

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri 41th International Conference on Telecommunications and Signal Processing : July 4-6, 2018, Athens, Greece : proceedings 2018 / p. 319-322 : ill <https://doi.org/10.1109/TSP.2018.8441247>

Heuro-fuzzy extraction of interpretable fuzzy rules from data

Riid, Andri; Rüstern, Ennu 2004 IEEE International Conference on Systems, Man & Cybernetics : The Hague, Netherlands, 10-13 October, 2004. Vol. 3 2004 / p. 2266-2271 : ill https://www.researchgate.net/profile/E-Rustern/publication/4126700_Heuro-fuzzy_extraction_of_interpretable_fuzzy_rules_from_data/links/00463524db07f8c32e000000/Heuro-fuzzy-extraction-of-interpretable-fuzzy-rules-from-data.pdf

Hädavalgustuse automaattestimise näide

Tamm, Tiit Elektriala 2015 / lk. 22-23 : ill https://artiklid.elnet.ee/record=b2721082*est

IFAC'i XI kongress Tallinnas

Wörk, Ants Arvutustehnika ja Andmetöötlus 1991 / 2, lk. 50-57

Imbalance control of disintegrators

Tamm, Boris, inform.; Tümanok, Aleksei Preprints of the 13th World Congress [of] International Federation of Automatic Control, San Francisco, USA, 30th June - 5th July 1996. Vol. E, Nonlinear systems I 1996 / p. 173-178: ill

Maailma tippteadlased Toompea lossis : [Boris Tamm IFAC-i istungilt]

Raidla, Peeter; **Tamm, Boris, inform.** Rahva Hääl 1990 / 15. aug.: ill

Maailmakongress Tallinnas : [IFAC]

Tamm, Boris, inform. Horisont 1990 / 11, lk. 8-10: ill

Model checking in pattern based control systems design

Vain, Jüri; Ernits, Juhan-Peep 15th Triennial World Congress of the International Federation of Automatic Control : Barcelona, Spain, 21th-26th July, 2002 : final program, book of abstracts 2002 / p. 112 <https://www.sciencedirect.com/science/article/pii/S1474667015393666>

Model checking in pattern based control systems design [Electronic resource]

Vain, Jüri; Ernits, Juhan-Peep Proceedings of the 15th IFAC World Congress : Barcelona, Spain, 2002 2002 / [6] p. : ill. [CD-ROM] <https://www.sciencedirect.com/science/article/pii/S1474667015393666#cekeyws10>

Model for torque estimation of pump system with horizontal pipe network

Gevorkov, Levon; Smidl, Vaclav; Sirovy, Martin; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January – 2nd of February 2019 : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/IWED.2019.8664304>

Model-based simulation of a hydraulic closed-loop rotary transmission with automatic control

Grossschmidt, Gunnar; Harf, Mait International journal of fluid power 2021 / 42 p. : ill <https://doi.org/10.13052/ijfp1439-9776.2212>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-loop model reference adaptive control of fractional-order PID control systems

Alagoz, Baris Baykant; **Tepljakov, Aleksei; Petlenkov, Eduard; Yeroglu, Celaledin** 2017 40th International Conference on Telecommunications and Signal Processing TSP : July 5-7, 2017, Barcelona, Spain 2017 / p. 702-705 : ill <https://doi.org/10.1109/TSP.2017.8076078>

Provably correct test development for timed systems

Vain, Jüri; Anier, Aivo; Halling, Evelin Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 289-302 : ill <https://doi.org/10.3233/978-1-61499-458-9-289> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Self-scaling laboratory crane fuzzy logic control with anti-swing regulation [Online resource]

Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763088>

Sensorless control of the three-dimensional crane using the Euler-Lagrange approach with a built-in state-space model
Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 255-258 : ill

Speed control strategy selection for multi-pump systems

Bakman, Ilja; Gevorkov, Levon 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 353-356 : ill

Standardkontrolli metoodilised alused

Agur, Ustus Õppemetoodika küsimusi ; 10 1973 / lk. 36-51 : ill https://www.ester.ee/record=b1346720*est

Towards an Intelligent Control System for district heating plants : design and implementation of a fuzzy logic based control loop

Vansovitš, Vitali; Tepļakov, Aleksei; Vassiljeva, Kristina; Petlenkov, Eduard 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 405-410 : ill <https://doi.org/10.1109/INDIN.2016.7819193>

Расчет гидравлической копирующей системы на точность копирования и устойчивость движения

Grossschmidt, Gunnar 1962 https://www.ester.ee/record=b1421295*est <https://digikogu.taltech.ee/et/Item/e5869298-c46d-466b-b563-ff362e40912b>

Two-rate motion control of VTAV by NARMA-L2 controller for enhanced situational awareness [Electronic resource]

Astrov, Igor 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO) : May 30-June 3, 2016, Opatija, Croatia : proceedings 2016 / p. 1126-1131 : ill. [CD-ROM] <https://doi.org/10.1109/MIPRO.2016.7522309>

Two-rate neuro-fuzzy hybrid control for model of an experimental aircraft

Astrov, Igor; Rüstern, Ennu Automation, Control and Information Technology : proceedings of the IASTED International Conference : June 10-13, 2002, Novosibirsk, Russia 2002 / p. 180-185

Visual module development for effective production monitoring

Snatkin, Aleksei; Eiskop, Tanel Mechatronic systems and materials : MSM-2014 : 10th International conference, Opole, Poland, 7-10 July 2014 : abstracts 2014 / [12] p

Ülle Kotta: A researcher seeks the best solution, the industry a functional one

Kotta, Ülle Estonian Centre of Excellence in ICT Research 2021 / p. 64-68 : ill <http://www.digar.ee/id/nlib-digar:634779> https://www.ester.ee/record=b5456158*est

Автоматическое устройство для снятия показания электронных вольтметров

Pajumägi, A.; Arro, Ilmar; Abro, H. XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 152 https://www.ester.ee/record=b1306141*est

Некоторые проблемы автоматизированного контроля и эффективности обучения

Lõhmus, Ahto; Rull, E. Проектирование учебно-воспитательного процесса : [сборник статей] 1984 / с. 136-141 : илл https://www.ester.ee/record=b1273751*est <http://hdl.handle.net/10062/54526>

Релейные преобразователи частотно-импульсного сигнала автоматического контроля со счетчиками импульсов

Pikkov, Otto Труды по электротехнике и автоматике : сборник статей. 6 1968 / с. 3-19 : илл https://www.ester.ee/record=b2182221*est <https://digikogu.taltech.ee/et/Item/28a82977-89e1-4d6c-ae22-51bd6ba069c0>

Синхронное и асинхронное релейное преобразование частотно-импульсного сигнала

Pikkov, Otto Труды по электротехнике и автоматике : сборник статей. 5 1967 / с. 41-53 : илл https://www.ester.ee/record=b2182187*est <https://digikogu.taltech.ee/et/Item/a4d66fdf-69d6-487a-a6ee-1ffce266f2ad>