

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

Vansovitš, 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.esther.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 realisatsioonifaasis

Marenkov, Jevgeni 2019 https://www.esther.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; Põlder, Ahti; Hiemaa, 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

Circuits and Systems : MIXDES 2011 : Gliwice, Poland 16 - 18 June, 2011 2011 / p. 684-689
https://www.researchgate.net/publication/259741855_FOMCON_a_MATLAB_toolbox_for_fractional-order_system_identification_and_control

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-Rüstern/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, Tiiu Elektriaala 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, Juhani-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, Juhani-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; Rassõlkin, 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, Celaleddin** 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.esther.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; Tepljakov, 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 копировальной системы на точность копирования и устойчивость движения

Grossschmidt, Gunnar 1962 https://www.esther.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.esther.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.esther.ee/record=b1306141*est

Некоторые проблемы автоматизированного контроля и эффективности обучения

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

Релеинные 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.esther.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.esther.ee/record=b2182187*est <https://digikogu.taltech.ee/et/item/a4d66fdf-69d6-487a-a6ee-1ffce266f2ad>