

Acceleration of recursive data sorting over tree-based structures

Mihhailov, Dmitri; Sudnitsõn, Aleksander; Sklyarov, Valery; Skliarova, Iouliia Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 51-56 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/612>

Acoustic noise pattern detection and identification method in Doppler system

Berdnikova, Julia; Ruuben, Toomas; Kozevnikov, V.; Astapov, Sergei Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 65-68 :ill <https://eejournal.ktu.lt/index.php/elt/article/view/2632>

Acoustic spectrum analysis of genuine and counterfeit euro coins

Gavrijaševa, Alina; Märten, Olev; Land, Raul Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 54-57 : ill

Adaption methods in OFDM communication

Meister, Ants; Taklaja, Andres Elektronika ir elektrotehnika = Electronics and electrical engineering 2002 / 3, p. 53-55 : ill

Advanced forward-looking sonar and imagery data processing

Berdnikova, Julia; Koževnikov, Valeri; Zamarajev, J.; Raja, Aimur Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 4, p. 55-58 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/9876>

Advances in terahertz technology with emphasis on quantum cascade lasers

Reeder, Reeno; Velmre, Enn; Udal, Andres Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 8, p. 47-50 <https://eejournal.ktu.lt/index.php/elt/article/view/9225>

Analysis of deep level centers in GaAs pin-diode structures

Korolkov, Oleg; Toompuu, Jana; Rang, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2013 / [4 p.] : ill

Analysis of operation times and electrical storage dimensioning for energy consumption shifting and balancing in residential areas

Rosin, Argo; Auväart, Aivar; Lebedev, Denis Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 15-20 : ill
https://www.researchgate.net/publication/268406195_Analysis_of_Operation_Times_and_Electrical_Storage_Dimensioning_for_Energy_Consumption_Shifting_and_Balancing_in_Residential_Areas

Analysis of switching conditions of IGBTs in modified sine wave qZSIs operated with different shoot-through control methods

Vinnikov, Dmitri; Roasto, Indrek; Zakis, Janis; Ott, Silver; Jalakas, Tanel Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 45-50 : ill
https://www.researchgate.net/publication/269779178_Analysis_of_Switching_Conditions_of_IGBTs_in_Modified_Sine_Wave_qZSIs_Operated_with_Different_Shoot-Through_Control_Methods

Application of wideband signals in wireless telecommunications

Raja, Aimur Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 79-82 : ill

Assessment of synchronous generator's influence on transmission network with significant level of voltage unbalance

Sarnet, Tanel; Kilter, Jako Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 11-14 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/2796>

Automatic code generation for embedded systems from high-level models

Riid, Andri; Preden, Jürge-Sören; Pahtma, Raido; Serg, Risto; Lints, Taivo Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 7, p. 33-36 <https://eejournal.ktu.lt/index.php/elt/article/view/10035>

Changing of magnetic flux density distribution in a squirrel-cage induction motor with broken rotor bars

Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 11-14 : ill

CMOS technology based current source with harmonic reducing properties

Kasemaa, Argo; Annus, Paul Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 10, p. 143-146 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/9145>

Comparative analysis of high power density bidirectional DC-DC converters for portable energy storage applications

Tytelmaier, Kostiantyn; Zakis, Janis; Husev, Oleksandr; Vinnikov, Dmitri Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 33-41 : ill <https://doi.org/10.5755/j01.eie.24.6.22287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative review of long-term energy storage technologies for renewable energy systems

Andrijanoviš, Anna; Hõimoja, Hardi; Vinnikov, Dmitri Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 21-26 : ill

Comparative study of rectifier topologies for quasi-Z-source derived push-pull converter

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 29-34 : ill

Critical analysis of uncertainty relations based on signal duration and spectrum width

Udal, Andres; Kukk, Vello; Velvre, Enn Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 6, p. 31-34 : ill

Data post-processing algorithms for active forward-looking sonar system

Berdnikova, Julia; Kozevnikov, V.; Ruuben, Toomas; Raja, Aimur Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 43-46 : ill

Demand side management in small power systems - the Estonian case study

Drovtar, Imre; Rosin, Argo; Kilter, Jako Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 13-19 : ill
<http://dx.doi.org/10.5755/j01.eie.22.3.15308>

Diffusion welded contacts and related art applied to semiconductor materials

Korolkov, Oleg; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 67-70 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/359>

Discrete-level broadband excitation signals : binary/ternary chirps

Paavle, Toivo; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 23-26 : ill

Efficient excitation signals for the fast impedance spectroscopy

Ojarand, Jaan; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 144-149 : ill

Exact analysis of PSK systems in the presence of Nakagami fading

Raja, Aimur; Martverk, Peep; Lossmann, Eerik Elektronika ir elektrotehnika = Electronics and electrical engineering 2003 / 3, p. 27-30

Experiences of teaching complicated undergraduate course for large number of students in the Tallinn University of Technology

Rokk, Indrek; Kulmar, Marika; Ots, Avo; Lossmann, Eerik Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 6, 119-122 <https://eejournal.ktu.lt/index.php/elt/article/view/9373>

Extended boost quasi-Z-source inverters : possibilities and challenges

Vinnikov, Dmitri; Roasto, Indrek; Jalakas, Tanel; Ott, Silver Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 51-56 : ill

Fast data sort based on searching networks with ring pipeline

Sklyarov, Valery; Skliarova, Louliia; Sudnitsõn, Aleksander Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 58-62 : ill <http://dx.doi.org/10.5755/j01.eie.22.4.15920>

Fast impedance spectroscopy of piezosensors for structural health monitoring

Märtens, Olev; Saar, Tõnis; Min, Mart; Land, Raul; Reidla, Marko Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 7, p. 31-34 : ill

Fast matrix covering in all programmable systems-on-chip

Sklyarov, Valery; Skliarova, Louliia; Rjabov, Artjom; Sudnitsõn, Aleksander Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 150-153 : ill

Fast processing of non-repeated values in hardware

Skliarova, Louliia; Sklyarov, Valery; Sudnitsõn, Aleksander Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 74-77 : ill <http://dx.doi.org/10.5755/j01.eie.23.3.18336>

Identification of pseudo-random noise generator structure

Lossmann, Eerik; Meister, Ants; Madar, Urve Elektronika ir elektrotehnika = Electronics and electrical engineering 2005 / 6, p. 13-15

IEC 61850 and measurements

Dmitrenko, Igor Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 106-110 : ill

Image processing in the woodworking industry : challenges, solutions and platforms

Mölder, Ago; Märten, Olev Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 43-46 : ill

Improved C5D electronic realization of conductivity detector for capillary electrophoresis

Jaanus, Martin; Udal, Andres; Kukk, Vello; Umbleja, Kadri; Gorbatšova, Jelena; Mölder, Lauri Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 29-32 : ill <http://dx.doi.org/10.5755/j01.eie.22.3.15311>

Influence of magnet material selection on the design of slow-speed permanent magnet synchronous generators for wind applications

Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 31-38 : ill <http://dx.doi.org/10.5755/j01.eie.23.1.17581>

Integrating labs into learning environment

Jaanus, Martin; Kukk, Vello; Umbleja, Kadri Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 6, p. 27-30 : ill https://www.researchgate.net/publication/228406705_Integrating_Labs_into_Learning_Environment

Integration of biosensors and associated electronics on lab-on-chip devices

Giannitsis, Athanasios; Parve, Toomas; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 61-66 : ill

Interaction of the PSK signal with a phase array

Arro, Ilmar; Duhnik, Alina; Derkatš, Julia Elektronika ir elektrotehnika = Electronics and electrical engineering 2002 / 3, p. 50-52 : ill

Invariant detection of a signal with a random phase

Arro, Ilmar; Mürsepp, Ivo Elektronika ir elektrotehnika = Electronics and electrical engineering 2003 / 3, p. 23-26 : ill

Investigation of amplitude and phase distortions in DAB system

Meister, Ants; Lossmann, Eerik; Martverk, Peep Elektronika ir elektrotehnika = Electronics and electrical engineering 2000 / 5, p. 34-37 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/17478>

Investigation of p-i-n GaAs structures by DLTS method

Toompuu, Jana; Korolkov, Oleg; Sleptšuk, Natalja; Rang, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 4, p. 51-54 : ill https://www.researchgate.net/publication/267372152_Investigation_of_p-i-n_GaAs_structures_by_DLTS_method

Laser line detection with sub-pixel accuracy

Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 132-135 : ill

Laser scanner calibration dependency on the line detection method

Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 66-69 : ill <http://dx.doi.org/10.5755/j01.eie.21.6.13765>

Lighting of workplaces and health risks

Reinhold, Karin; Tint, Piia Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / p. 11-14

Loss calculation methods of half-bridge square-wave inverters

Blinov, Andrei; Vinnikov, Dmitri; Jalakas, Tanel Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 9-14 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/604>

Method for wideband signal digitizing and their real-time reconstruction in enlarged dynamic range

Bibliņskis, I.; Sudars, K.; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 110-113 : ill

Motor Mode Analysis of Exterior-Rotor PM Machine with Gramme's Winding

Nukki, Rene; Kilk, Aleksander; Saarts, Samo; Tiimus, Kristjan Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 21-25 : ill <http://dx.doi.org/10.5755/j01.eie.23.1.17579>

Multi-criteria design optimization of ultra large diameter permanent magnet generator

Pabut, Ott; Eerme, Martin; Kallaste, Ants; Vaimann, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 42-48 : ill

Natural mode constant power source for manual arc welding

Šklovski, Jevgeni; Janson, Kuno; Sakkos, Tiiu Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 31-34 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/2801>

Noise level estimation in the shortwave frequency range

Lossmann, Eerik; Meister, Mari-Anne; Madar, Urve Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 85-88 : ill

Nonlinear chirp pulse excitation for the fast impedance spectroscopy

Ojarand, Jaan; Annus, Paul; **Land, Raul; Parve, Toomas; Min, Mart** Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 4, p. 73-76 : ill
https://www.researchgate.net/publication/268367878_Nonlinear_Chirp_Pulse_Excitation_for_the_Fast_Impedance_Spectroscopy

Optimum electromagnetic modelling of RF MEMS switches

Ziko, Mehadi Hasan; Koel, Ants Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 46-50 : ill
<https://doi.org/10.5755/j01.eie.24.5.21842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance analysis of M-ary PSK in communication channel

Raja, Aimur Elektronika ir elektrotehnika = Electronics and electrical engineering 2002 / 3, p. 68-72 : ill

Power optimization in a non-coordinated secondary infrastructure in a heterogeneous cognitive radio network

Ahmed, Tauseef; Le Moulec, Yannick Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 79-83 : ill

Power quality issues in dispersed generation and smart grids

Vaimann, Toomas; Niitsoo, Jaan; Kivipõld, Tanel; Lehtla, Tõnu Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 23-26 : ill <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=573c03a0753bcfce3929ba739ff032b16882acf5>

Probe signals with nonrectangular envelope

Müürsepp, Ivo; Berdnikova, Julia; Ruuben, Toomas; Madar, Urve Elektronika ir elektrotehnika = Electronics and Electrical Engineering 2010 / 5, p. 99-102 : ill

Processing sorted subsets in a multi-level reconfigurable computing system

Rjabov, Artjom; Sklyarov, Valery; Skliarova, Iouliia; **Sudnitsõn, Aleksander** Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 30-33 : ill <http://dx.doi.org/10.5755/j01.eee.21.2.11509>

Project-oriented approach to low-power topics in advanced digital design course

Mihhailov, Dmitri; **Sudnitsõn, Aleksander; Kruus, Margus** Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 6, p. 151-154

PWM for single phase 3L Z/qZ-Source inverter with balanced power losses

Roncero-Clemente, Carlos; **Husev, Oleksandr; Jalakas, Tanel;** Romero-Cadaval, Enrique; **Zakis, Janis;** Minambres-Marcos, Victor Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 71-76 : ill

qZS inverter as synchronverter in small-scale micro-grid

Zakis, Janis; **Makovenko, Elena;** Zeng, Hao; **Husev, Oleksandr; Kütt, Lauri** Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 58-62 : ill <https://doi.org/10.5755/j01.eie.24.2.20636> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Radar signal postprocessing

Roosipuu, Priit; Arro, Ilmar Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 20-24

Radiofrequency electromagnetic fields from mobile devices used for learning and working

Koppel, Tarmo; Ahonen, Mikko Elektronika ir elektrotehnika = Electronics and electrical engineering 2013 / p. 65-70 : ill

Realization and evaluation of the device for measuring the impedance of human body for detecting the respiratory and heart rate

Metshein, Margus; Parve, Toomas; Annus, Paul; Rist, Marek; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 36-42 : ill <http://dx.doi.org/10.5755/j01.eie.23.3.18330>

Resolution and Doppler tolerance of cognitive system waveforms

Berdnikova, Julia; Ruuben, Toomas; Müürsepp, Ivo; Lossmann, Eerik Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 7, p. 101-104 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/9331>

Robust piezo impedance magnitude measurement method

Saar, Tõnis Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 107-110 : ill
https://www.researchgate.net/publication/266444572_Robust_Piezo_Impedance_Magnitude_Measurement_Method

Simple and efficient excitation signals for fast impedance spectroscopy

Ojarand, Jaan; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2013 / p. 49-52 : ill

Smart dust motes in ubiquitous computing scenarios

Preden, Jürjo-Sören; Pahtma, Raido Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 6, p. 19-22 : ill

Software radar

Müürsepp, Ivo Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 4, p. 59-62 : ill

Some fading-related problems at shortwave propagation path in the Baltics

Lossmann, Eerik; Madar, Urve; Raja, Aimur; Meister, Mari-Anne Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 5, p. 57-60 : ill

Some method of signal processing and beamforming in hydrographic applications

Ruuben, Toomas; Derkatš, Julia Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 6, p. 27-32 : ill

Some signal processing aspects in software defined radios

Meister, Ants; Ruuben, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 4, p. 97-100 : ill

Sparse reconstruction method for separating cardiac and respiratory components from electrical bioimpedance measurements

Butsenko, Maksim; Märtenis, Olev; Krivošei, Andrei; Le Moullec, Yannick Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 57-61 : ill <https://doi.org/10.5755/j01.eie.24.5.21844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of various excitation and reference signals for pulsed correlation-based ultrasound signal processing

Märtenis, Olev; Saar, Tõnis; Reidla, Marko Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 9, lk. 89-92 : ill https://www.researchgate.net/publication/268043244_Study_of_Various_Excitation_and_Reference_Signals_for_Pulsed_Correlation-based_Ultrasound_Signal_Processing

Switched inductor quasi-Z-source based back-to-back converter for variable speed wind turbines with PMSG

Bisenieks, Lauris; Vinnikov, Dmitri; Ott, Silver Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 61-66 : ill https://www.researchgate.net/publication/267991247_Switched_Inductor_Quasi-Z-Source_Based_Back-to-Back_Converter_for_Variable_Speed_Wind_Turbines_with_PMSG

Teaching of telecommunication-specific university course in cooperation with partners from industry

Ainomäe, Ahti; Rökk, Indrek; Lossmann, Eerik Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 131-134 <https://eejournal.ktu.lt/index.php/elt/article/view/306>

The specificity of solid-phase interaction of aluminium with silicon carbide in the manufacture of diffusion-welded contacts to semiconductor devices

Sleptšuk, Natalja; Korolkov, Oleg; Toompuu, Jana; Rang, Toomas; Mikli, Valdek Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 45-48 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/2610>

Theoretical and practical aspects of shortwave broadcast reception in the Baltics

Lossmann, Eerik; Meister, Mari-Anne; Raja, Aimur; Madar, Urve Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 4(92), p. 45-48 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/10225>

Three-dimensional cell counting based on two dimensional cross-section images

Anton, Johan; Saar, Tõnis Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 89-94

Unsupervised feature mapping via stacked sparse autoencoder for automated detection of large pulmonary nodules in CT images

Gupta, Anindya; Saar, Tõnis; Märtenis, Olev; Le Moullec, Yannick Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 59-63 : ill <http://dx.doi.org/10.5755/j01.eie.23.6.19695>

Using Clarke vector approach for stator current and voltage analysis on induction motors with broken rotor bars

Vaimann, Toomas; Kallaste, Ants; Kilik, Aleksander Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 17-20 : ill

Using microcontrollers for high accuracy analogue measurements

Jaanus, Martin; Udal, Andres; Kukk, Vello; Umbleja, Kadri Elektronika ir elektrotehnika = Electronics and electrical engineering 2013 / p. 51-54 : ill

Utilization of received signal strength indication by embedded nodes

Pahtma, Raido; Preden, Jürjo-Sören; Agar, Romi; Pikk, Priit Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 5, p. 39-42 : ill

Weight and size estimation of energy efficient LED Ballasts

Galkin, Ilya; Tetervenok, Oleg; **Milaševski, Irena** Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 55-60 : ill

Анализ помехоустойчивости многоуровневых каскадных кодов в среде MATLAB

Madar, Urve; Sinjuk, Aleksei; **Lossmann, Eerik** Elektronika ir elektrotehnika = Electronics and electrical engineering 2004 / p. 71-74 : ill

Нестандартные параметры измерения фазового дрожания

Kravets, Valeri Elektronika ir elektrotehnika = Electronics and electrical engineering 2002 / 4, p. 35-38 : ill

Опто-электронная регистрация пространственных характеристик трехмерных объектов

Schults, Eduard Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 83-85

Проблемы расчета кривых сквозной помехоустойчивости

Madar, Urve Elektronika ir elektrotehnika = Electronics and electrical engineering 2003 / 3, p. 49-52