

Analysis and development of the PLC control system with the distributed I/Os = Hajutatud sisenditega/väljunditega programmeeritavate kontrolleriite juhtimissüsteemi analüüs ja arendamine

Ruban, Olga 2009 <https://digi.lib.ttu.ee/II/2294> https://www.ester.ee/record=b2508774*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>

Arduino projektid alustajale

Sell, Raivo; Raid, Kaupo 2017 http://www.ester.ee/record=b4686444*est

AVR mikrokontrollerid ja praktiline robootika

Sell, Raivo; Leini, Mikk; Ellermaa, Rain 2015 https://www.ester.ee/record=b4458438*est

Comparison of different microcontroller development boards for power electronics applications

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 103-107 : ill

Comparison of voltage buck control methods for series resonant converter

Sidorov, Vadim 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 55-56 : ill https://www.ester.ee/record=b5457278*est

Comprehensive blended learning concept for teaching micro controller technology

Seiler, Sven; Sell, Raivo eLearning Baltics 2011. 4 2011 / p. 15-25

Comprehensive blended learning concept for teaching micro controller technology utilising HomeLab kits and remote labs in a virtual web environment

Seiler, Sven; Sell, Raivo Transactions on Edutainment. X 2013 / p. 161-177 : ill https://doi.org/10.1007/978-3-642-37919-2_9 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Control of autonomous mobile robots using wireless network and MATLAB

Vu, Trieu Minh; Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Põlder, Ahti; Hiimaa, Mado; 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, supervision and operation diagnostics of light rail electric transport

Rosin, Argo; Lehtla, Tõnu 2005 https://www.ester.ee/record=b2073559*est

Design and implementation of a digital control and monitoring system for an AC/DC UPS [Electronic resource]

Palamar, Andriy; Karpinsky, Mykola; Vodovozov, Valery CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 173-177 [CD-ROM] <https://ieeexplore.ieee.org/document/5942227>

Design of a digitally controlled resistance and capacitance device for testing of the bio-impedance measurement systems

Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 149-152 : ill

Developing a data acquisition system for measuring microcontroller energy consumption using LabVIEW

Ruberg, Priit; Lass, Keijo; Ellervee, Peeter BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 123-126 : ill http://www.ester.ee/record=b2150914*est

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](#)

Digitally controlled reference impedance device for test and calibration of the bio-impedance measurement system (BIMS) in a networked environment

Birjukov, Andrei; Krivošei, Andrei; Parve, Toomas 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBIT2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 276-279 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_73

Eessõna

Sell, Raivo Arduino projektid alustajale 2017 / lk. 2 http://www.ester.ee/record=b4686444*est

Electronic nose module

Misans, Peteris; Osmanis, Ilmars; Kleperis, Janis; Zubkans, Juris; Eglitis, Vilis; Lusi, Andrejs BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 333-334: ill

Esimene üldkasutatav mikrokontrollerkiip TMS 1000

Toomsalu, Arvo A & A 2008 / 2, lk. 9-16 : ill

Finite element modelling for the optimization of microheating in disposable molecular diagnostics

Pardy, Tamas; Rang, Toomas; Tulp, Indrek International journal of computational methods and experimental measurements 2017 / p. 13-22 : ill <https://doi.org/10.2495/CMEM-V5-N1-13-22> [Journal metrics at Scopus](#) [Article at Scopus](#)

Implementation of integrated wireless network and MATLAB system to control autonomous mobile robot

Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Põlder, Ahti; Hiiemaa, Mado; Juurma, Märt International Journal of Innovative Technology and Interdisciplinary Sciences : IJTIS 2018 / p. 18-25 : ill <https://doi.org/10.1515/IJTIS.2018.1.1.18-25>

Integrated concept for embedded system study

Sell, Raivo; Seiler, Sven 7th International Conference Mechatronics Systems and Materials MSM 2011 : Kaunas, Lithuania, 7-9 July, 2011 : abstracts book and full papers CD 2011 / p. 14-15
https://www.researchgate.net/publication/257654723_Integrated_Concept_for_embedded_system_study

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/>

Introduction to the IOT (Internet of Things) : coursebook

Sell, Raivo; Puks, Rim; Kingsepp, Mallor; Nikitenko, Agris; Berkolds, Karlis; Vagale, Anete; Rumba, Rudolfs; Czekalski, Piotr; Tokarz, Krzysztof; **Läll, Karl** 2025 <https://ebooks.rtu.lv/product/introduction-to-the-iot-second-edition/?lang=en#tab-id-1>

Javelin Stamp

Tammemäe, Kalle A & A 2003 / 5, lk. 7-14 : ill https://artiklid.elnet.ee/record=b1014182*est

Laboratory as a service - a holistic framework for remote and virtual labs = Laboratoorium kui teenus - kaug- ja virtuaallaborite holistiline raamistik

Seiler, Sven 2012 https://www.ester.ee/record=b2889058*est

Lapikute ASI karikas [Võrguväljaanne]

Saar, Taeri opleht.ee 2021 "[Lapikute ASI karikas](#)"

Low resource demanding FOTA method for remote AtoN site equipment

Moorits, Erkki; Jervan, Gert OCEANS 2010 : Seattle, Washington, USA, September 20-23, 2010 / [5] p
<https://ieeexplore.ieee.org/document/5664107>

Microchipi "putukad"

Toomsalu, Arvo A & A 2005 / 2, lk. 10-20 : ill https://artiklid.elnet.ee/record=b1017791*est

Microcontroller based intelligent platform for research and education in mechatronics

Sell, Raivo; Seiler, Sven; Ptasiak, Dennis Mecatronics REM 2012 : Supmea Paris, November 21st-23rd : proceedings 2012 / p. 188-193 : ill <https://ieeexplore.ieee.org/document/6451007>

Microcontroller control device for high speed control solenoids

Joller, Jüri; Laugis, Juhan Тезисы докладов I международной (XII всероссийской) конференции по автоматизированному электроприводу, 26-28 сентября 1995 г., Санкт-Петербург 1995 / с. 72

Microcontroller energy consumption estimation based on software analysis for embedded systems

Ruberg, Priit; Lass, Keijo; Ellervee, Peeter 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [4] p. : ill
<http://dx.doi.org/10.1109/NORCHIP.2015.7364397>

Mikrokontrollerid BASIC Stamp

Toomsalu, Arvo A & A 2002 / 4, lk. 6-18 : ill

Mikrokontrollerid ja praktiline robotika

Sell, Raivo; Leini, Mikk; Salong, Peeter 2010 http://www.ester.ee/record=b2583638*est

Mikrokontrollerite invasioon jätkub

Tammemäe, Kalle A & A 2001 / 5, lk. 9-15

Mikrokontrollerite M68HC11 ja Satt Con 05 riist- ja tarkvara : metoodiline materjal

Tammemäe, Kalle; Toomsalu, Arvo 1995 https://www.ester.ee/record=b1069449*est

Mikrokontrollerite riistvara turbest

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1997 / 7/8, lk. 7-12

Mikrokontrollerite turve

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1997 / 5, lk. 12-13; 6, lk. 10-15

Mikrokontrollerpere PIC 16C5x

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1997 / 3, lk. 7-11; 4, lk. 7-13: ill

Mikrokontrollerpere ST62 stardikomplekt ST622XC

Toomsalu, Arvo A & A 2009 / 2, lk. 9-21 : ill

Mikrokontrollerplatvorm Arduino Uno

Sell, Raivo E-õppe uudiskiri 2014 / lk. 18 : ill

Mikrokontrollersüsteemi projekteerimine

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1996 / 1, lk. 5-8; 2, lk. 2-5

Mikrokontrollersüsteemi projekteerimine (1)

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 12, lk. 2-7

Mikrokontrollersüsteemide arendusvahendid M68HC11EVBU ja FLIGHT 68EC020EVM

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1994 / 11, lk. 7-14

Miniarvutid ja mikrokontrollerid koolitunnis

Sell, Raivo E-õppe uudiskiri 2014 / lk. 19 : ill

Monoliitarvuti KM1816BE48 käsustik koos kasutamishistega : abimaterjal harjutusülesannete ja laboratoorsete tööde sooritamiseks

1991 https://www.ester.ee/record=b1195457*est

MSP - mikrokontrolleri ja signaaliprotsessori hübriid

Toomsalu, Arvo A & A 2001 / 3, lk. 17-24

MSP430 as an introductory training microcontroller

Galkin, Ilja 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 123-126

Performance estimation of embedded applications on microcontrollers

Ruberg, Priit; Lass, Keijo; Liiv, Elvar; Ellervee, Peeter 2017 IEEE Nordic Circuits and Systems Conference (NORCAS 2017): NORCHIP and International Symposium of System-on-Chip (SoC 2017) : Linköping, Sweden, 23-25 October, 2017 2017 / p. 170-175 : ill <http://dx.doi.org/10.1109/NORCHIP.2017.8124964>

PIC microcontroller learning system

Jalakas, Tanel; Möller, Taavi; Roasto, Indrek 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 99-101 : ill

PIC-protsessorite programmeerimine ehk koodi kivisse raiumise eripärad silumisperioodil

Sinivee, Veljo Arvutikasutaja 2004 / 6, lk. 10-12 : ill https://artiklid.elnet.ee/record=b1062085*est

PLC based control of remote laboratory experiments

Möller, Taavi; Rosin, Argo; Hõimoja, Hardi; Müür, Margus BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 273-276 : ill

PLC-based pressure control in multi-pump applications

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 23-29 : ill <http://dx.doi.org/10.1515/ecce-2015-0008>

Pressure control with minimal power consumption of a pumping station

Vodovozov, Valery; Raud, Zoja Recent Advances in Environmental and Earth Sciences and Economics : [proceedings of the EEDE 2015, GESE 2015, MANASE 2015, WHH 2015 : Zakynthos Island, Greece, July 16-20, 2015] 2015 / p. 242-245 : ill

Programmable logic controllers in process automation

Mikkor, Ahti; Roosimölder, Lembit Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 63-65 : ill

Programmable logic controllers teaching and using in Estonian industry

Rosin, Argo Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists, Lohusalu, Estonia, June 1-8, 1997 1997 / p. 42-43

Programmeeritavad kontrollolid SIMATIC S7

Rosin, Argo 2000 https://www.ester.ee/record=b1354419*est

Propellerkiip

Tammemäe, Kalle A & A 2006 / 5, lk. 6-14 : ill

Que vadis, mikrokontroller?

Toomsalu, Arvo A & A 2010 / 1, lk. 9-16 https://artiklid.elnet.ee/record=b1965433*est

RISC - sardmikrokontrollerid

Tammemäe, Kalle Arvutustehnika ja Andmetöötlus 1995 / 8, lk. 8-14

RISC-sardmikrokontrollerid

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 7, lk. 8-13; 8, lk. 8-14

uM-FPU kas sääsk või elevant?

Tammemäe, Kalle A & A 2005 / 5, lk. 43-48 : ill https://artiklid.elnet.ee/record=b1018368*est

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 <https://doi.org/10.5755/j01.eee.19.6.4559> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Применение микроконтроллера MSP430 в качестве тренировочного микропроцессорного устройства

Galkin, Ilja; Skarainis, M.; Laugis, Juhan; Lehtla, Tõnu Технічна електродинаміка 2005 / 2, с. 90-93 : ил

Экспресс-обработка сигналов микроконтроллером "МОСТ"

Arro, Ilmar; Vannas, Villem Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 27-30