

**Analysis and development of the PLC control system with the distributed I/Os = Hajutatud sisenditega/väljunditega**

**programmeeritavate kontrollerite juhtimissüsteemi analüs ja arendamine**

Ruban, Olga 2009 <https://digi.lib.ttu.ee/i/?294> [https://www.estet.ee/record=b2508774\\*est](https://www.estet.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/10.1515/IJTIS.2018.1.1.1-8>

**Arduino projektid alustajale**

Sell, Raivo; Raid, Kaupo 2017 [http://www.estet.ee/record=b4686444\\*est](http://www.estet.ee/record=b4686444*est)

**AVR mikrokontrollerid ja praktiline robootika**

Sell, Raivo; Leini, Mikk; Ellermaa, Rain 2015 [https://www.estet.ee/record=b4458438\\*est](https://www.estet.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.estet.ee/record=b5457278\\*est](https://www.estet.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

**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, supervision and operation diagnostics of light rail electric transport**

Rosin, Argo; Lehtla, Tõnu 2005 [https://www.estet.ee/record=b2073559\\*est](https://www.estet.ee/record=b2073559*est)

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

Palamar, Andriy; Karpinskyy, 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, Pirit; Lass, Keijo; Ellerjee, 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.estet.ee/record=b2150914\\*est](http://www.estet.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

**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 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 276-279  
[https://link.springer.com/chapter/10.1007/978-3-540-73841-1\\_73](https://link.springer.com/chapter/10.1007/978-3-540-73841-1_73)

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 <http://dx.doi.org/10.2495/CMEM-V5-N1-13-22>

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

Tamre, Mart; Hudjakov, Robert; Shvarts, Dmitry; Pölder, Ahti; Hiiemaa, Maito; 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>

**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/>

**Javelin Stamp**

Tammemäe, Kalle A & A 2003 / 5, lk. 7-14 : ill [https://artiklid.elnet.ee/record=b1014182\\*est](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.estr.ee/record=b2889058\\*est](https://www.estr.ee/record=b2889058*est)

**Lapikute ASI karikas [Võrguväljaanne]**

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

**Microchipi "putukad"**

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

**Microcontroller control device for high speed control solenoids**

Joller, Jüri; Laugis, Juhani 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 robootika**

Sell, Raivo; Leini, Mikk; Salong, Peeter 2010 [http://www.estr.ee/record=b2583638\\*est](http://www.estr.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.estr.ee/record=b1069449\\*est](https://www.estr.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 ST62 stardikomplekt ST622XC**

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

**Mikrokontrollerplatvorm Arduino Uno**

Sell, Raivo E-õppes 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 M68HC11EVB 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 käustik koos kasutamisjuhistega : abimaterjal harjutusülesannete ja laboratoorse tööde sooritamiseks**

1991 [https://www.estet.ee/record=b1195457\\*est](https://www.estet.ee/record=b1195457*est)

**MSP - mikrokontrolleri ja signaaliprotsessori hübrid**

**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; Ellerhee, Peeter** 2017 IEEE Nordic Circuits and Systems Conference (NORCAS 2017): NORCHIP and International Symposium of System-on-Chip (SoC 2017) : Linkoping, 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 programmaator ehk koodi kivisse raiumise eripärad silumisperioodil**

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

**PLC based control of remote laboratory experiments**

**Möller, Taavi; Rosin, Argo; Höimoja, 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 kontrollerid SIMATIC S7**

**Rosin, Argo** 2000 [https://www.estet.ee/record=b1354419\\*est](https://www.estet.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](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 relevant?**

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

**Применение микроконтроллера MSP430 в качестве тренировочного микропроцессорного устройства**

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