

Analysis of competency-based learning - 6 years later

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON) : 25-28 April 2017, Athens, Greece 2017 / p. 165-174 : ill <https://doi.org/10.1109/EDUCON.2017.7942843>

Analyzes of competence based approach to learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin; Udal, Andres; Gordon, Boris International Conference on Engineering Education 2012 : proceedings : Turku, Finland, July 30-August 3, 2012. Part 2 2012 / p. 418-425 : ill

Answer evaluation in competence based learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin ICEE 2011 E-book CD-ROM : An International Conference on Engineering Education : 21-26 August 2011, Belfast, Northern Ireland, UK 2011

An application of a low-cost microwave radar to traffic monitoring [Online resource]

Riid, Andri; Kaugerand, Jaanus; Ehala, Johannes; Jaanus, Martin; Preden, Jürjo-Sören BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600962>

Arvuti videomakiks

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 2, lk. 32-34 : ill https://artiklid.elnet.ee/record=b1061586*est

Audacity - heliefektid

Jaanus, Martin Praktiline Arvutikasutaja 2009 / 1, lk. 29 : ill https://artiklid.elnet.ee/record=b1068226*est

Avermedia Volar GPS A805

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 12, lk. 73 : ill https://artiklid.elnet.ee/record=b1066255*est

Competence Based Interactive Learning with HomeLabKits : experience and work in progress

Jaanus, Martin; Umbleja, Kadri; Kuk, Vello; Udal, Andres 2014 IEEE Global Engineering Education Conference (EDUCON) : Istanbul, Turkey, April 2-5, 2014 2014 / 1082-1084 : ill

Competence-based approach to learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin 2013 IEEE Global Engineering Education Conference (EDUCON) : 13-15 March 2013, Technische Universität Berlin, Berlin, Germany 2013 / p. 552-559 : ill

Developing integrated learning environment – analysis

Kuk, Vello; Jaanus, Martin; Umbleja, Kadri; Švets, Oleg International Conference on Engineering Education : ICEE 2010 : Poland, Gliwice 18.07.-22.07.2010 2010 https://www.researchgate.net/publication/228941924_Developing_integrated_learning_environment-analysis

Development and testing of a compact voice command recognition algorithm for limited complexity microcontroller devices

Udal, Andres; Riid, Andri; Jaanus, Martin; Pärnamets, Kaiser; Lokuta, Madis 2018 22nd International Conference Electronics : Palanga, Lithuania, 18-20 June 2018 2018 / p. 1-4 : ill <http://doi.org/10.1109/ELECTRONICS.2018.8443645>

Digitaalne telepilt taevast

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 9, lk. 36-39 : ill https://artiklid.elnet.ee/record=b1059779*est

Digital microfluidic sampler for a portable capillary electropherograph

Gorbatšova, Jelena; Jaanus, Martin; Kaljurand, Mihkel Analytical chemistry 2009 / p. 8590-8595 : ill

Digital microfluidic sampler for capillary electrophoresis

Gorbatšova, Jelena; Jaanus, Martin; Kuuskmäe, Edur; Kaljurand, Mihkel NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 66 : ill

Digital microfluidics platform for interfacing solid-liquid extraction column with portable capillary electropherograph for analysis of soil amino acids

Gorbatšova, Jelena; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2016 / p. 472-475 : ill <https://doi.org/10.1002/elps.201500284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dreambox videomakiks

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 11, lk. 38-40 : ill https://artiklid.elnet.ee/record=b1060704*est

Ehitame arvutivõrgu testri

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 9, lk. 64-65 : ill https://artiklid.elnet.ee/record=b1064678*est

Ehitame "valedetektor"

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 10, lk. 64-65 : skeem https://artiklid.elnet.ee/record=b1065173*est

Fraction collection in capillary electrophoresis for various stand-alone mass spectrometers

Helmja, Kati; Borissova, Maria; Knjazeva, Tatjana; Jaanus, Martin; Muinasmaa, Urmas; Kaljurand, Mihkel; Vaher, Merike

Journal of chromatography A 2009 / p. 3666-3673 : ill

Heliefektid : eemaldame müra

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 6, lk. 22 ; 7, lk. 22 : ill https://artiklid.elnet.ee/record=b1058692*est

Heliefektid : inimese hääl

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 8, lk. 16-17 : ill https://artiklid.elnet.ee/record=b1063920*est

Heliefektid : muudame kestust ja kõrgust

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 5, lk. 14-15 https://artiklid.elnet.ee/record=b1057904*est

Heliefektid : muudame laine kuju

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 10, lk. 18 https://artiklid.elnet.ee/record=b1060116*est

Heliefektid : operatiivautode hääled

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 6, lk. 16-17 : ill https://artiklid.elnet.ee/record=b1063558*est

Heliefektid : reguleerime tämbrit

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 8, lk. 16-17 : ill https://artiklid.elnet.ee/record=b1057460*est

Heliefektid : ruumikaja

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 11, lk. 18-19 : ill https://artiklid.elnet.ee/record=b1060697*est

Heliefektid : vestlus telefoni teel

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 4, lk. 18 : ill https://artiklid.elnet.ee/record=b1062637*est

Heliefektid : reguleerime tämbrit

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 4, lk. 18 https://artiklid.elnet.ee/record=b1057460*est

Heliefekt : noodikorrektor

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 1, lk. 22-23 : ill

Helitöötlus kõigile : Audacity

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 9, lk. 59 : ill https://artiklid.elnet.ee/record=b1064675*est

Home and remote laboratories - development of web based practical works for higher and vocational education

Shvets, O.; Kuk, Vello; Jaanus, Martin; Umbleja, Kadri Journal of international scientific publications : materials, methods & technologies 2009 / [4] p

Home Lab Kits for introductory course in electrical engineering

Jaanus, Martin; Hein, Niilo; Kuk, Vello; Sullin, Anti EUROCON 2007 : The International Conference on "Computer as a Tool" : 9-12 September 2007, Warsaw, Poland 2007 / p. 2676-2679 <https://ieeexplore.ieee.org/document/4400576>

HomeLabKits - implementation and usage

Jaanus, Martin; Kuk, Vello; Umbleja, Kadri; Gordon, Boris; Pikkov, Mihhail BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 331-334 : ill

Implementation of the robot arm in the interactive learning environment

Jaanus, Martin; Udal, Andres; Kuk, Vello; Umbleja, Kadri 2014 International Conference on Signals and Electronic Systems (ICSES) : Poznań, Poland, 11-13 September 2014 2014 / [4] p. : ill

Improved C5D electronic realization of conductivity detector for capillary electrophoresis

Jaanus, Martin; Udal, Andres; Kuk, Vello; Umbleja, Kadri; Gorbatsõva, Jelena; Mölder, Lauri Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 29-32 : ill <https://doi.org/10.5755/j01.eie.22.3.15311> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inrush current measurement and modeling practical cases and primary methods

Tinno, Jan Markus; Kütt, Lauri; Parker, Martin; Kulikov, Jan; Jaanus, Martin 2024 IEEE 65th International Scientific Conference

Integrated labs for electrical engineering courses in competence based learning environment - practical experience
Jaanus, Martin; Umbleja, Kadri; Udal, Andres; Pärnamets, Kaiser 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärđla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818266>

Integrating labs into learning environment

Jaanus, Martin; Kuk, 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

Interactive distance lab solution for robotic arm

Umbleja, Kadri; Jaanus, Martin; Kuk, Vello; Udal, Andres Joint International Conference on Engineering Education & International Conference on Information Technology ICEE/ICIT-2014 : June 2-6, 2014, Riga, Latvia 2014 / p. 339-348 : ill

Kui elektrivõrku pole käepärast, ehk, Vantame mobiiltelefoni aku täis

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 6, lk. 36-37 : ill https://artiklid.elnet.ee/record=b1058798*est

Kuidas netist raadiot salvestada?

Jaanus, Martin Praktiline Arvutikasutaja 2006 / 12, lk. 38-40 : ill https://artiklid.elnet.ee/record=b1056215*est

Laboratory experience with competence based learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin; Švets, Oleg International Conference on Engineering Education and Research : ICEER 2013 : Marrakesh, July 1st-5th : proceedings 2013 / p. 487-494

Lõikame ja kleebime helilaineid

Jaanus, Martin Praktiline Arvutikasutaja 2008 / lk. 58 https://artiklid.elnet.ee/record=b1065170*est

Martin Jaanus : [iseendast]

Jaanus, Martin Praktiline Arvutikasutaja 2007 / lk. 5 : fot

The method of quantum optical communication based on entangled photon pairs

Udal, Andres; Jaanus, Martin; Umbleja, Kadri; Reeder, Reeno BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 33-36 : ill

Mikrofonivõimendi

Jaanus, Martin Praktiline Arvutikasutaja 2006 / 6, lk. 32-34 : ill https://artiklid.elnet.ee/record=b1054615*est

Mitte pelgalt MP3-mängija

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 4, lk. 26, 28-29 : ill https://artiklid.elnet.ee/record=b1057466*est

A model-based adaptive control of an autonomous driving car for lane change maneuver

Astrov, Igor; Udal, Andres; Jaanus, Martin 2021 44th International Convention on Information, Communication and Electronic Technology (MIPRO), September 27 - October 1, 2021, Opatija, Croatia : proceedings 2021 / p. 1330-1335 : ill
<http://www.mipro.hr/LinkClick.aspx?fileticket=RAMnkK6T5UQ%3d&tabid=196&language=hr-HR>
<https://doi.org/10.23919/MIPRO52101.2021.9597195>

New concepts of automatic answer evaluation in competence based learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin; Udal, Andres 2014 IEEE Global Engineering Education Conference (EDUCON) : Istanbul, Turkey, April 2-5, 2014 2014 / p. 922-925 : ill

Olümpiamängud ja digi-TV

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 8, lk. 36 : ill https://artiklid.elnet.ee/record=b1064010*est

Palju maksab meie digitaalne laiskus?

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 6, lk. 32-33 https://artiklid.elnet.ee/record=b1058796*est

A portable capillary electropherograph equipped with a cross-sampler and a contactless-conductivity detector for the detection of the degradation products of chemical warfare agents in soil extracts

Seiman, Andrus; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2009 / p. 507-514 : ill

Portable capillary electrophoresis instrument

Jaanus, Martin; Seiman, Andrus; Vaher, Merike; Makarõtševa, Natalja; Kuuskmäe, Edur; Kaljurand, Mihkel NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of

Processing answers in competence-based learning

Umbleja, Kadri; Kuk, Vello; Jaanus, Martin INNOVATIONS 2012 : world innovations in engineering education and research 2012 / p. 91-100

Programeeritav tilksisend kapillaarelektroforeesis

Gorbatšova, Jelena; Jaanus, Martin; Kaljurand, Mihkel XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 29

Progress in development of the resonant tunneling diodes as promising compact sources at the THz gap bottom

Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonic, Zoran; Indjin, Dragan THz for CBRN and explosives detection and diagnosis ; 2017 / p. 169-178 https://doi.org/10.1007/978-94-024-1093-8_20 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Recent progress in development of the resonant tunneling diode sources for the critical part of THz gap

Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonic, Zoran; Indjin, Dragan 4th Annual Conference of COST Action MP1204 & SMMO2016 Conference : Lisbon, Portugal, 21-24 March 2016 2016 / [1] p

Remote laboratories and methods of their application in study process

Švets, Oleg; Kuk, Vello; Jaanus, Martin; Umbleja, Kadri Journal of international scientific publications : materials, methods & technologies 2010 / 2, p. 60-67 https://inis.iaea.org/search/search.aspx?orig_q=RN:45107912

Riistvara suhtlemiseks

Jaanus, Martin Praktiline Arvutikasutaja 2006 / 6, lk. 35-37 : ill https://artiklid.elnet.ee/record=b1054613*est

SAT-TV õpik

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 8, lk. 30-31 : ill https://artiklid.elnet.ee/record=b1059437*est

SAT-TV õpik

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 4, lk. 40 : ill https://artiklid.elnet.ee/record=b1059437*est

Sony uus taskumängija NWZ-S615F

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 11, lk. 32 : ill https://artiklid.elnet.ee/record=b1060702*est

Sound Blaster X-Fi Titanium

Jaanus, Martin Praktiline Arvutikasutaja 2008 / lk. 62 https://artiklid.elnet.ee/record=b1064676*est

Striimime heli

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 4, lk. 12-13 : ill https://artiklid.elnet.ee/record=b1057457*est

Student behavior changes in Estonia revealed by e-learning technology

Udal, Andres; Kuk, Vello; Jaanus, Martin; Umbleja, Kadri; Piho, Gunnar Digital Turn in Schools - Research, Policy, Practice : proceedings of ICEM 2018 Conference 2019 / p. 83-90 https://doi.org/10.1007/978-981-13-7361-9_6 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Sülearvuti aku

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 1, lk. 32-35 : ill https://artiklid.elnet.ee/record=b1061026*est

Zune

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 9, lk. 10 : ill https://artiklid.elnet.ee/record=b1059811*est

Task-based mobile learning ISC-system: built-in Coronavirus immunity confirmed

Udal, Andres; Jaanus, Martin; Piho, Gunnar Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 604-616 https://doi.org/10.1007/978-3-030-68201-9_59 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Teeme fotokaga video

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 10, lk. 24 https://artiklid.elnet.ee/record=b1060122*est

Teeme ise raadiot

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 7, lk. 20-21 : ill https://artiklid.elnet.ee/record=b1058697*est

Terrateci XXS USB TV-tuuner

Jaanus, Martin Praktiline Arvutikasutaja 2008 / 10, lk. 61 : ill https://artiklid.elnet.ee/record=b1065171*est

The development of a handheld automatic drugmeter for quantitative analysis of γ -hydroxybutyric acid
Rūžička, Martin; Kaljurand, Mihkel; Gorbatšova, Jelena; Vaher, Merike; Halling, Evelin; Jaanus, Martin; Mazina-Šinkar, Jekaterina Flow Analysis XV, Krakow, Poland, June 26 - July 1, 2022 : book of abstracts 2022 / p. 156 [Kogumik](#)

The interactive learning environment for mobile laboratories = Interaktiivne õpikeskkond mobiilsetele laboritele
Jaanus, Martin 2011

Two-dimensional knowledge model for learning control and competence mapping
Kukk, Vello; Umbleja, Kadri; Jaanus, Martin Learning Technology for Education in Cloud : 4th International Workshop, LTEC 2015, Maribor, Slovenia, August 24-28, 2015 : proceedings 2015 / p. 16-27 : ill https://doi.org/10.1007/978-3-319-22629-3_2 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

USB audio chip based oscilloscope and signal generator for mobile laboratories
Jaanus, Martin; Udal, Andres ICSES 2012 : September 18–21, 2012, Wrocław, Poland : the conference proceedings 2012 / [4 p.] : ill <https://ieeexplore.ieee.org/document/6382229>

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](#)

Veidi teistmoodi õppimine : [e-õppest, sh. kauglaboritest]
Jaanus, Martin A & A 2011 / lk. 13-19 : ill

Õppimine või ära tegemine
Jaanus, Martin; Kukk, Vello Tõhusa ja kaasahaarava õppe korraldamine kõrgkoolis : [õppemetoodiline konverents : konverentsi teesid : Kaitseväge Ühendatud Õppeasutused, 16. oktoober 2014, Tartu] 2014 / lk. 35-36