

Aasta parimad tehasemajad : suurhoonetest erilahendusteni

Kiisler, Eva; Vahtramäe, Eeva Ehitaja 2018 / lk. 18-24 : fot http://www.estet.ee/record=b1072123*est
https://artiklid.elnet.ee/record=b2847947*est

Aasta puitehitis 2021 võitjad on selgunud! [Võrguväljaanne]

delfi.ee 2021 ["Aasta puitehitis 2021 võitjad on selgunud!"](#)

Advances in European residential ventilation systems in nearly zero energy buildings

Kurnitski, Jarek 39th AIVC : Smart ventilation for buildings : 7th TightVent : 5th Venticool Conference, 18-19 September, 2018, Antibes Juan-Les-Pins, France : [poster abstracts] 2018 / 26 p. : ill <http://aivc2018conference.org/>

Akadeemia tee 5A pereühiselamu renoveeriti liginullenergiahooneks

Mente et Manu 2017 / lk. 7 : fot https://artiklid.elnet.ee/record=b2830854*est

Akadeemik Jarek Kurnitski: tahame olla maailma tipus, aga piirdume siiski külma kliimaga ehk troopikasse ei trügi
Kurnitski, Jarek digi.geenius.ee 2024 [Akadeemik Jarek Kurnitski: tahame olla maailma tipus, aga piirdume siiski külma kliimaga ehk troopikasse ei trügi](#)

Algas registreerimine konverentsile Säästlik Hoone 2022 [Võrguväljaanne]

2022 ["Algas registreerimine konverentsile Säästlik Hoone 2022 "](#)

Analüüs uue puidust liginullenergiahoone kuluoptimaalsusest

Arumägi, Endrik Kõik ärikinnisvarast : [ajalehe Äripäev lisa] 2021 / Lk. 10 https://static-pdf.aripaev.ee/QddBW9e_Hq411zNz_G0UWVGUitE.pdf https://www.estet.ee/record=b5223461*est

Analysis of on-site construction processes for effective external thermal insulation composite system (ETICS) installation
Sulakatko, Virgo; Lill, Irene; Liisma, Eneli Procedia economics and finance 2015 / p. 297-305 : ill

Analysis of the insulation criteria for nearly-zero energy buildings in Estonia

Voll, Hendrik; De Luca, Francesco; Pavlovas, Vitalis Science and technology for the built environment 2016 / p. 939-950 : ill
<https://doi.org/10.1080/23744731.2016.1195657> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region

Ahmadihangar, Roya; Karami, Hossein; Husev, Oleksandr; Blinov, Andrei; Rosin, Argo; Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Arhitekt: eestlased ei ole liginullenergiamaju veel omaks võtnud

Kald, Annika Oma Maja : Äripäeva Kuukiri 2021 / Lk. 32, 34, <https://static-pdf.aripaev.ee/01sV22yPmycbqdLsaJQ2VnDSxkk.pdf>
<https://dea.digar.ee/article/apomamaja/2021/04/29/24.1>

Arvamusfestival - olla või mitte olla

Kurnitski, Jarek Mente et Manu 2017 / lk. 45 https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html
https://artiklid.elnet.ee/record=b2827021*est

Arvamusfestival : töö liginullenergiahoonetega ei lõpe aastal 2020

Kiisler, Eva; Veske, Andres; Kurnitski, Jarek; Koit, Priit; Sillmann, Karin; Hani, Allan Ehitaja 2017 / lk. 17-18 : fot
https://artiklid.elnet.ee/record=b2824285*est

Arvate, et teile müüdi A-energiaklassi korter? Mõõtku uuesti

Raig, Tanel arileht.delfi.ee 2023 [Arvate, et teile müüdi A-energiaklassi korter? Mõõtku uuesti](#)

Basic design principles of nZEB buildings in scoping and conceptual design

Voll, Hendrik; Kosonen, Risto; Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 103-134 : ill https://doi.org/10.1007/978-1-4471-5610-9_7 Article collection metrics at Scopus Article at Scopus

Benchmarking Danish, Estonian and Finnish NZEB requirements with European Commission recommendations in residential and office buildings

Simson, Raimo; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; Kurnitski, Jarek Energy and Buildings 2025 / art. 116086
<https://doi.org/10.1016/j.enbuild.2025.116086>

Bidirectional operation of the power electronic interface for nearly-zero energy buildings

Roasto, Indrek; Jalakas, Tanel; Rosin, Argo 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2456-2464 : ill <https://ieeexplore.ieee.org/document/8515405>

Circular renovation of an apartment building with prefabricated insulation elements

Nigumann, Eero; **Kalamees, Targo; Kuusk, Kalle; Pihelo, Peep** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 96-97 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019

2019 <https://www.e3s-conferences.org/articles/e3sconf/abs/2019/37/contents/contents.html>

Combined active frequency drift islanding detection method for NZEB energy router

Jalakas, Tanel; Roasto, Indrek; Najafzadeh, Mahdiyyeh 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p <https://doi.org/10.1109/RTUCON48111.2019.8982258>

Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements

Pihelo, Peep; Kalamees, Targo Wood material science and engineering 2021 / p. 110-117 <https://doi.org/10.1080/17480272.2019.1635206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Commissioning of thermal performance of prefabricated timber frame insulation elements for nZEB renovation

Pihelo, Peep; Kalamees, Targo 4th Central European Symposium on Building Physics (CESBP 2019) MATEC web of conferences 2019 / art. 02004, 6 p. : ill <https://doi.org/10.1051/mateconf/201928202004>

Comparison of static and dynamic shading systems for office buildings energy consumption and cooling load assessment

De Luca, Francesco; Voll, Hendrik; Thalfeldt, Martin Management of environmental quality : an international journal 2018 / p. 978-998 : ill <https://doi.org/10.1108/MEQ-01-2018-0008> [Journal metrics at Scopus](#) [Article at Scopus](#)

Complexity in designing energy efficient buildings : towards understanding decision networks in design

Pikas, Ergo; Koskela, Lauri; Thalfeldt, Martin; Dave, Bhargav; Kurnitski, Jarek Global Knowledge - Global Solutions : 23rd Annual Conference of the International Group for Lean Construction : Perth, Australia, July 29-31, 2015 : proceedings of IGLC23 2015 / p. 213-222 : ill

Control dynamics and parameters for low energy heating applications = Juhtimise dünaamika ja parameetrid madalenergia küttesüsteemides

Parts, Tuule Mall 2023 <https://doi.org/10.23658/taltech.50/2023> <https://digikogu.taltech.ee/et/Item/85469015-8f1c-450f-a609-73a70a255bc6> https://www.ester.ee/record=b5638401*est

Control of bidirectional grid-forming inverter for nearly zero energy buildings

Roasto, Indrek; Jalakas, Tanel; Rosin, Argo 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659848>

Cost and energy reduction of a New nZEB wooden building

Arumägi, Endrik; Kalamees, Targo Energies 2020 / art. 3570, 16 p. : ill <https://doi.org/10.3390/en13143570> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost optimal and nearly zero energy building solutions for office buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek Energy and buildings 2014 / p. 30-42 : ill <https://doi.org/10.1016/j.enbuild.2014.01.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost optimal and nearly zero energy performance requirements for buildings in Estonia

Kurnitski, Jarek; Saari, Arto; Kalamees, Targo; Vuolle, Mika; Niemelä, Jouko; Tark, Teet Estonian journal of engineering 2013 / p. 183-202 : ill https://artiklid.elnet.ee/record=b2632889*est <https://doi.org/10.3176/eng.2013.3.02> [Article at Scopus](#)

Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation

Kurnitski, Jarek; Saari, Arto; Kalamees, Targo; Vuolle, Mika; Niemelä, Jouko; Tark, Teet Energy and buildings 2011 / p. 3279-3288 : ill

Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies

2013

Cost reduction of the new NZEB Wooden building – case study of the kindergarten in Estonia

Arumägi, Endrik; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 13002, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017213002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cost-benefit analysis of nZEB energy efficiency strategies with on-site photovoltaic generation

Pikas, Ergo; Kurnitski, Jarek; Thalfeldt, Martin; Koskela, Lauri Energy 2017 / p. 291-301 : ill

<https://doi.org/10.1016/j.energy.2017.03.158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Critical discussion on the challenges of integrating heat pumps in hydronic systems in existing buildings

Cholewa, Tomasz; Bejan, Andrei-Stelian; Miara, Marek; Schauer, Christian; Kosonen, Risto; Borodinecs, Anatolijs; Bogdanovičs, Raimonds; Amanowicz, Łukasz; Vering, Christian; Siuta-Olcha, Alicja; Kurnitski, Jarek Energy 2025 / art. 136158

<https://doi.org/10.1016/j.energy.2025.136158>

Deep energy renovation of old concrete apartment building to nZEB by using wooden modular element

Kalamees, Targo; Pihelo, Peep; Kuusk, Kalle II Miedzynarodowa Konferencja : Forum Holzbau Polska 2018 2018 / 10 p. : ill

<http://forum-holzbau.pl/category/filmy-i-zdjecia/> <https://www.etis.ee/File/DownloadPublic/b9656a11-ef9e-4b34-9033-83254134f617?name=Deep%20energy%20renovation%20of%20old%20concrete%20apartment%20building%20to%20nZEB%20by%20using%20wooden%20modular%20elements.pdf&type=application%2Fpdf>

Deep energy renovation of old concrete apartment building to nZEB by using wooden modular elements

Kalamees, Targo; Pihelo, Peep; Kuusk, Kalle Forum Holz Bau Garmisch 17 : 23. Internationales Holzbau-Forum (IHF 2017) : aus der Praxis - für die Praxis : Kongresszentrum, Garmisch-Partenkirchen ; B. 2 2017 / p. 317-325 : ill <http://www.gbv.de/dms/tib-ub-hannover/1014402786.pdf>

Demand controlled ventilation indoor climate and energy performance in a high performance building with air flow rate controlled chilled beams

Ahmed, Kaiser; Kurnitski, Jarek; Sormunen, Piia Energy and buildings 2015 / p. 115-126 : ill

<https://doi.org/10.1016/j.enbuild.2015.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of the first net-zero energy buildings in Estonia

Arumägi, Endrik; Kalamees, Targo Science and technology for the built environment 2016 / p. 1039-1049 : ill

<https://doi.org/10.1080/23744731.2016.1206793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development and performance assessment of prefabricated insulation elements for deep energy renovation of apartment buildings

Pihelo, Peep; Kuusk, Kalle; Kalamees, Targo Energies 2020 / art. 1709, 20 p. : ill <https://doi.org/10.3390/en13071709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a battery sizing tool for nearly zero energy buildings

Ahmadihangar, Roya; Husev, Oleksandr; Blinov, Andrei; Karami, Hossein; **Rosin, Argo** IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society 2020 / p. 5149-5154 : ill <https://doi.org/10.1109/IECON43393.2020.9254557> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

Development of experimental load management system for nearly zero-energy building

Maask, Vahur; Rosin, Argo; Roasto, Indrek 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659826>

Development of prefabricated additional insulation elements for the renovation of high-rise apartment buildings

Pihelo, Peep; Kalamees, Targo 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 98-99 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Development of realtime co-simulation platform harnessing consumer energy flexibility through an aggregator to provide grid support

Shabbir, Noman; Ahmadihangar, R; Rosin, Argo; Kilter, Jako; Martins, Joao IEEE Transactions on Consumer Electronics 2024 / p. 6641-6652 <https://doi.org/10.1109/TCE.2024.3470241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Editorial

Kurnitski, Jarek Energy procedia 2016 / p. 1-4 : ill <https://doi.org/10.1016/j.egypro.2016.09.088> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Eesti liigub hoonete nullheite suunas, vaid väiksemad eramajad kipuvad tempost maha jääma [Võrguväljaanne]

postimees.ee 2022 [Eesti liigub hoonete nullheite suunas, vaid väiksemad eramajad kipuvad tempost maha jääma](#)

Eesti puitmajasektor valmistub liginullenergiahoonete tootmiseks

Äripäev 2014 / Oma Maja, lk. 6

Eesti teadlaste Tallinnas katsetatav tööriist aitab planeerida kliimaneutraalseid linnu [Võrguväljaanne]

postimees.ee 2022 ["Eesti teadlaste Tallinnas katsetatav tööriist aitab planeerida kliimaneutraalseid linnu"](#)

Eestis kehtima hakanud liginullenergiaõuete võrdlus naaberriikidega

Kurnitski, Jarek Eesti Ehituskonsultatsiooniettevõtete Liit, EKEL : [aastaraamat] = Estonian Association of Architectural and Consulting Engineering Companies, EAACEC 2020 / lk. 23-26 : ill, fot https://ekel.ee/images/files/failid/EKEL_AASTARAAMAT_2020.pdf
https://www.ester.ee/record=b1222961*est

Eestis on veel 14 000 renoveerimist vajavat kortermaja

Kald, Annika Äripäev 2020 / Lk. 14 <https://dea.digar.ee/publication/aripaev>

Eestlaste välja mõeldud uus tehnoloogia kiirendaks kortermajade kordategemist

Liiva, Siiri; **Kalamees, Targo** Eesti Päevaleht 2019 / lk. 17 <https://arileht.delfi.ee/artikkel/85632109/eestlaste-valja-moeldud-uus-tehnoloogia-kiirendaks-kortermajade-kordategemist>

Efektiivne, hea soojustuse ja planeeringuga maja

Vill, Ants Kodu & Ehitus : TM 2022 / lk. 8-10 : fot https://www.ester.ee/record=b1740684*est

The effect of thermal transmittance of building envelope and material selection of wind barrier on moisture safety of timber frame exterior wall

Pihelo, Peep; Kalamees, Targo Journal of building engineering 2016 / p. 29-38 : ill <https://doi.org/10.1016/j.jobbe.2016.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ehitus on muutumas digitaalseks

Hint, Siie; **Kurnitski, Jarek** Eesti Päevaleht 2019 / Oma Äri, lk. 6

Ehitusfüüsik : pika plaanita jääb riik küttearveid lõputult kinni maksma [Võrguväljaanne]

Kalamees, Targo novaator.err.ee 2022 [Ehitusfüüsik: pika plaanita jääb riik küttearveid lõputult kinni maksma](https://novaator.err.ee/2022/ehitusfuusik-pika-plaanita-jaab-riik-kuttea-veid-loputult-kinni-maksma)

Ehitusmeistrid heitlevad olevikuga, kuid vaatavad tulevikku

Alver, Anne-Mari Eesti Ekspress 2023 / Lk. 16

Electric lighting predictions in the energy calculation methods

De Luca, Francesco; Simson, Raimo; Voll, Hendrik; Kurnitski, Jarek Improving energy efficiency in commercial buildings and smart communities 2020 / p. 123-141 https://doi.org/10.1007/978-3-030-31459-0_9

Elementrenoveerimine kui paneelelamu rätsepaülikond = Элементная реновация как костюм для панельного дома

Trell, Kristel Elamu 2020 / lk. 11-14, 33-35 : fot https://www.ester.ee/record=b1072137*est

Energiaatõhus ehitus Eestis : laokil sektori korrastamine

Zirnask, Mart Universitas Tartuensis : UT : Tartu Ülikooli ajakiri 2014 / lk. 29-31

Energiaatõhus eramu 2013 : [ka TTÜ Ehitiste projekteerimise instituudi professorite Jarek Kurnitski ja Targo Kalamehe kommentaaridega]

Kurnitski, Jarek; Kalamees, Targo Meie Kodu 2013 / lk. 33-41 : fot

Energiaatõhusus ja ülekuumenemine : [magistritöö põhjal]

Olesk, Timo EhitusEST 2016 / lk. 50-51 : ill https://artiklid.elnet.ee/record=b2763928*est

Energiaatõhususe arengud ja uued uuringud

Kurnitski, Jarek EhitusEST 2016 / lk. 22-26 : ill http://www.ester.ee/record=b4442657*est https://artiklid.elnet.ee/record=b2801974*est

Energy and buildings. Vol. 106, SI, IEA-ECES Annex 31 special issue on thermal energy storage

2015

Energy and hygrothermal performance challenges in the renovation of a over 100-year-old wooden apartment building into a nearly zero-energy building

Evard, Anni; Arumägi, Endrik; Lomp, Siim; Kalamees, Targo 2nd International Conference on Moisture in Buildings 2023, 3-4 July 2023 2023 / 2 p <https://doi.org/10.14293/ICMB230053>

Energy performance of buildings

2020 https://www.mdpi.com/journal/energies/special_issues/energy_performance_of_buildings

Energy performance, indoor air quality and comfort in new nearly zero energy day-care centres in northern climatic conditions

Kuusk, Kalle; Kaiser, Ahmed; Lolli, Nicola; Johansson, Jan; Kouvola, Tero Hasu; Gunnarshaug Lien, Anne; Arumägi, Endrik; Kalbe, Kristo; Hallik, Jaanus; Kurnitski, Jarek; Kalamees, Targo Journal of sustainable architecture and civil engineering 2019 /

p. 7-16 <https://doi.org/10.5755/j01.sace.24.1.23228>

Energy router based energy management system for nearly zero energy buildings

Najafzadeh, Mahdiyyeh; Roasto, Indrek; Jalakas, Tanel 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/RTUCon48111.2019.8982366>

Energy supply and storage optimization for mixed-type buildings

Rikkas, Elina Rebecka; Lahdelma, Risto Energy 2021 / art. 120839 <https://doi.org/10.1016/j.energy.2021.120839>

Estonian researchers build a platform to make perfect indoor air conditions

estonianworld.com 2023 [Estonian researchers build a platform to make perfect indoor air conditions](#)

Euroopa surub peale liginullenergiamaaju : [TTÜ katsemajast]

Mets, Mari Äripäev 2014 / lk. 16-17

Evaluating the Power Mismatch Dynamics of Deeply Renovated Apartment Buildings with On-site PV Panels in Estonia

Olayiwola, Tofopefun Nifise; Thalfeldt, Martin; Kuusk, Kalle; Blinov, Andrei Clima 2025 : 15th REHVA HVAC World Congress 2025

An existing best practice of nearly Zero Energy Hotel

Buso, Tiziana; Corgnati, Stefano Paolo; **Kurnitski, Jarek** The REHVA European HVAC journal 2014 / p. 61-65 : ill

Experiences from design process of renovation of existing apartment building to nZEB

Kuusk, Kalle; Kalamees, Targo; Pihelo, Peep CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 1 2016 / [10] p. : ill http://vbn.aau.dk/files/233707163/paper_591.pdf

External shading control principles for low energy office buildings

Thalfeldt, Martin; Kurnitski, Jarek NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 806-813 : ill

Extra cost analyses of two apartment buildings for achieving nearly zero and low energy buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek; Liias, Roode Energy 2015 / p. 623-633 : ill <https://doi.org/10.1016/j.energy.2015.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Facade design principles for nearly zero energy buildings in a cold climate

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy and buildings 2013 / p. 309-321 : ill <https://doi.org/10.1016/j.enbuild.2013.08.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility study of a DC house connected to a conventional AC distribution network

Hokmabad, Hossein Nouroollahi; Shabir, Noman; Astapov, Victor; Petlenkov, Eduard; Husev, Oleksandr; Belikov, Yuri 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604419>

Fenestration design for low and nearly zero energy buildings in a cold climate

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013

Field study on hygrothermal performance of highly insulated exterior wall in Estonia

Pihelo, Peep; Kalamees, Targo; Kikkas, Henri; Mäuring, Tõnu; Valge, Margus; Valler, Raimond CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 2 2016 / [10] p. : ill http://vbn.aau.dk/files/233715342/paper_188.pdf

Finnish energy renovation subsidies in multifamily apartment buildings : Lessons learnt and best practices

Hajian, Hatef; Pylsy, Petri; **Simson, Raimo**; Ahmed, Kaiser; Sankelo, Paula; **Mikola, Alo; Kurnitski, Jarek** Energy and buildings 2024 / art. 113986 <https://doi.org/10.1016/j.enbuild.2024.113986> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Free cooling potential of an airside economizer in Estonia

Palmiste, Ülar; Voll, Hendrik Science and technology for the built environment 2016 / p. 951-959 : ill <https://doi.org/10.1080/23744731.2016.1195661> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

From repetition to diversity: A workflow for energy-driven optimization of heterogeneous urban blocks in hot climates

Natanian, Jonathan; **De Luca, Francesco**; Naboni, Emanuele Will Cities Survive? PLEA STGO 2022 : Book of proceedings : online sessions 2022 / p. 842-847 : ill <https://plea2022.org/wp-content/uploads/2023/03/PROCEEDING-ONLINE-FINAL-MARZO.pdf>

A future nearly Zero Energy Hotel in Italy

Grid integration of DC buildings : standards, requirements and power converter topologies

Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Emiliani, Pietro; de Carne, Giovanni; Vinnikov, Dmitri IEEE open journal of power electronics 2022 / p. 798-823 <https://doi.org/10.1109/OJPEL.2022.3217741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Grid-forming operation of energy-router based on model predictive control with improved dynamic performance

Najafzadeh, Mahdiyyeh; Strzelecka, Natalia; Husev, Oleksandr; Roasto, Indrek; Nassereddine, Kawsar; Vinnikov, Dmitri; Strzelecki, Ryszard Energies 2022 / 14 p. : ill <https://doi.org/10.3390/en15114010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heating system efficiency aspects in low-energy residential buildings = Küttesüsteemi efektiivsuse aspektid madalenergia eluhoonetes

Maivel, Mikk 2015 https://www.ester.ee/record=b4484289*est

Highlights from REHVA Supporters' Seminar 2015

Kurnitski, Jarek The REHVA European HVAC journal 2015 / 56-59

Hoonete energiatõhustamine maksab 22 miljardit eurot

Strandberg, Marek; Pulk, Meinhard postimees.ee 2021 / Lk. 2 "Hoonete energiatõhustamine maksab 22 miljardit eurot" <https://dea.digar.ee/article/postimees/2021/12/17/3.6>

Hoonete kuluoptimaalsete energiatõhususe miinimumtasemetega analüüs [Võrguteavik]

Arumägi, Endrik; Simson, Raimo; Kuusk, Kalle; Kalamees, Targo; Kurnitski, Jarek 2017 https://www.ester.ee/record=b4762265*est

Hoonete rekonstrueerimise pikaajaline strateegia

2020 <https://www.mkm.ee/media/155/download>

How to calculate cost optimal nZEB energy performance?

Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 36-41 : ill https://www.rehva.eu/fileadmin/hvac-dictio/05-2011/rj1105_p36-41_how-to-calculate-cost-optimal-nzeb-energy-performance.pdf

How to compare energy performance requirements of Japanese and European office buildings

Ahmed, Kaiser; Yoon, Gyuyoung; Ukai, Makiko; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 03038, 8 p <https://doi.org/10.1051/e3sconf/20191103038> [Conference proceedings at Scopus](#) [Article at Scopus](#)

How to define nearly net zero energy buildings nZEB : REHVA proposal for uniformed national implementation of EPBD recast

Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 6-12 : ill <http://www.rogbc.org/Downloads/REHVA%20work%20on%20NZEB.pdf>

A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings

Garshasbi, Samira; Kurnitski, Jarek; Mohammadi, Yousef Applied energy 2016 / p. 626-637 : ill <https://doi.org/10.1016/j.apenergy.2016.07.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of AAC exterior wall after additional insulation with prefabricated elements in Estonia

Pihelo, Peep; Kalamees, Targo 5th Central European Symposium On Building Physics (CESBP) 2023 / p. 020049-1-020049-8 <https://doi.org/10.1063/5.0170884> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal performance of highly insulated timber-frame external wall

Pihelo, Peep; Kikkas, Henri; Kalamees, Targo Energy procedia 2016 / p. 685-695 : ill <https://doi.org/10.1016/j.egypro.2016.09.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of internal heat gain profiles on the design cooling capacity of landscaped offices

Seyed Salehi, Seyed Shahabaldin; Ferrantelli, Andrea; Aljas, Hans Kristjan; Kurnitski, Jarek; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 07003, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124607003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Indoor climate in low energy buildings – main topic in Healthy Buildings Conference

Kurnitski, Jarek The REHVA European HVAC journal 2012 / p. 14-22 : ill

Influence of window details on the energy performance of an nZEB

Kalbe, Kristo; Kalamees, Targo Journal of sustainable architecture and civil engineering 2019 / p. 61-70 : ill

<https://doi.org/10.5755/j01.sace.24.1.23234>

Influence of window details on the energy performance of an nZEB

Kalbe, Kristo; Kalamees, Targo Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 58-59
https://www.ester.ee/record=b5197207*est

Integrated cost-optimal renovation of apartment buildings toward nearly zero-energy buildings = Korterelamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks

Kuusk, Kalle 2015 https://www.ester.ee/record=b4482703*est

Interview of REHVA Board members on nearly Zero Energy Buildings

Kurnitski, Jarek The REHVA European HVAC journal 2014 / p. 59

Investigations of different control strategies for heat pump systems in a residential ZEB in the nordic climate [Online resource]

Clauss, John; Sartori, Igor; Alonso, Maria Justo; **Thalfeldt, Martin**; Georges, Laurent 12th IEA Heat Pump Conference : presentations, Wednesday, May 17 2017 / 0.1.3.3, 11 p. : ill <https://hpc2017.org/wp-content/uploads/2017/06/o133.pdf>

Jarek Kurnitski : liginullenergiahooned vajavad uut lähenemist, esitades suure väljakutse

Ots, Margot; Kamps, Mari Inseneeria 2016 / lk. [24]-25 : fot http://www.ester.ee/record=b2336521*est
https://artiklid.elnet.ee/record=b2806765*est

Jarek Kurnitski : tulevik kuulub liginullenergiamaajadele [Võrguteavik]

Kurnitski, Jarek Postimees 2018 [Tulevik kuulub liginullenergiamaajadele](https://artiklid.elnet.ee/record=b2806765*est)

Kallim, aga energiatõhusam maja aastast 2021

Luht, Elen; Kurnitski, Jarek Postimees 2017 / Kodu, lk. 2-3

Kas ir gandrız nulles energijas ekas? Eiropas Inženieru savienību federācijas definīcija

Kurnitski, Jarek Latvijas būvniecība 2013 / l. 4-10 : ill

Katsemaja toel tõhusama ehitamise poole : [kommenteerib TTÜ liginullenergiahoonete uurimisgrupi juht ning ehitiste projekteerimise instituudi direktor Jarek Kurnitski]

Leet, Lauri Ehitaja 2014 / lk. 38-42 : fot https://artiklid.elnet.ee/record=b2686641*est

Kliima, teadlaste ja ettevõtjate koostöö : TTÜ pereühiselamust saab moodne liginullenergiahoone

Kalamees, Targo Mente et Manu 2017 / lk. 22-25 : ill https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1
https://artiklid.elnet.ee/record=b2820641*est

Kliimakokkuleppe täitmiseks tuleb renoveerida 146 miljonit hoonet [Võrguväljaanne]

keskkonnatehnika.ee 2021 "[Kliimakokkuleppe täitmiseks tuleb renoveerida 146 miljonit hoonet](https://artiklid.elnet.ee/record=b2820641*est)"

Kliiministerium uuendab hoonete energiatõhususe nõudeid

Devaney, Kärt Virumaa Teataja 2023 <https://dea.digar.ee/article/virumaateataja/2023/09/28/16.2>

Konverents Säästlik Hoone toimub veebis [Võrguväljaanne]

kinnisvarauudised.ee 2021 "[Konverents Säästlik Hoone toimub veebis](https://artiklid.elnet.ee/record=b2820641*est)"

Kuidas alandada puithoonete maksumust?

Kalamees, Targo Ehitaja 2020 / lk. 32-33 : portr https://www.ester.ee/record=b1072123*est

Kuidas vältida õhulekkeid tehasemajades?

Kalbe, Kristo Oma Maja : Äripäeva Kuukiri 2021 / Lk. 40, 42 : ill <https://dea.digar.ee/article/apomamaja/2021/04/29/24.3>

Külmasildadest tingitud soojuskadude arvutusmudelid

Hallik, Jaanus Ehitaja 2021 / lk. 34-35 : ill https://www.ester.ee/record=b1072123*est

Küttearveid aitab kontrolli all hoida korralikult ehitatud maja

Üprus, Teele Maa Elu 2022 / Lk. 2-3 https://www.ester.ee/record=b4427409*est

Küttearveid aitab kontrolli all hoida korralikult ehitatud maja [Võrguväljaanne]

Üprus, Teele postimees.ee 2022 "[Küttearveid aitab kontrolli all hoida korralikult ehitatud maja](https://artiklid.elnet.ee/record=b2820641*est)"

Liginullenergia väljakutse on inimesed

Kurnitski, Jarek Äripäev 2018 / lk. 12 [Liginullenergia väljakutse on inimesed](https://artiklid.elnet.ee/record=b2820641*est)

Liginullenergiahooned tõmbasid ehitusteadused tippkeskusesse
Kurnitski, Jarek 100 aastat TTÜ ehitusinsenere 2018 / lk. 296-303 : ill

Liginullenergiahooned täna ja homme : artiklite kogumik
2015 https://www.ester.ee/record=b4505002*est

Liginullenergiahoonete ehitamine läheneb kiirelt
Kurnitski, Jarek Ehitaja 2015 / lk. 14-18 : ill https://artiklid.elnet.ee/record=b2767562*est

Liginullenergiahoonete näiteid meilt ja mujalt
EhitusEST 2015 / lk. 42 : ill https://artiklid.elnet.ee/record=b2767563*est

Liginullenergiamaja kõige olulisem komponent on teadlik elanik
delfi.ee 2022 [Liginullenergiamaja kõige olulisem komponent on teadlik elanik](#)

Liginullenergiamaja kõige olulisem komponent on teadlik elanik [Võrguväljaanne]
delfi.ee 2022 [Liginullenergiamaja kõige olulisem komponent on teadlik elanik](#)

Liginullenergiamajad : Soome võitleb hoonete hallitusega, Eestit päästab oskuslik projekteerimine
Soopan, Ivar; **Kurnitski, Jarek**; Kalamees, Targo Maaleht 2018 / lk. 2-3

Low- and nearly zero energy solutions for apartment buildings in Estonia
Kuusk, Kalle; **Kalamees, Targo** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

Low temperature radiator heating distribution and emission efficiency in residential buildings
Maivel, Mikk; **Kurnitski, Jarek** Energy and buildings 2014 / p. 224-236 : ill <https://doi.org/10.1016/j.enbuild.2013.10.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Madal- ja liginullenergiahooned : büroohoonete põhilahendused eskiis- ja eelprojektis
Kurnitski, Jarek; **Thalfeldt, Martin**; **Kalamees, Targo**; **Voll, Hendrik**; **Uutar, Aivar**; **Rosin, Argo** 2013

Madal- ja liginullenergiamajad - väikeste ja nullilähedaste energiakuludega majad
Kurnitski, Jarek Kalender 2014 2013 / lk. 103-108 : ill

Market based renovation solutions in non-residential buildings - Why commercial buildings are not renovated to NZEB
Kuivjõgi, Helena; **Uutar, Aivar**; **Kuusk, Kalle**; **Thalfeldt, Martin**; **Kurnitski, Jarek** Energy and buildings 2021 / art. 111169, 13 p. : ill <https://doi.org/10.1016/j.enbuild.2021.111169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical ventilation system in deep energy renovation of a multi-story building with prefabricated modular panels
Kalamees, Targo; **Palmiste, Ülar**; Hamburg, Anti Subtask 4: Current challenges, selected case studies and innovative solutions covering indoor air quality, ventilation design and control in residences 2020 / p. 71-75 : ill https://iea-ebc.org/Data/publications/EBC_Annex_68_Subtask_4_Report_October_2020.pdf

Methodological approach to determining the effect of parallel energy consumption on district heating system
Latõšov, Eduard; **Volkova, Anna**; **Siirde, Andres**; **Kurnitski, Jarek**; **Thalfeldt, Martin** Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/ruect-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Methodology for determining fenestration ranges for daylight and energy efficiency in Estonia
De Luca, Francesco; **Dogan, Timur**; **Kurnitski, Jarek** 2018 Proceedings of the symposium on simulation for architecture and urban design 2018 / p. 63-70 : ill <http://www.simaud.org/proceedings/>

Mida tõhusa kaugkütte märgis tegelikult tähendab?
Latõšov, Eduard Ehitusuudised : [ajalehe Äripäev lisa] 2022 / Lk. 14 <https://dea.digar.ee/article/apehitus/2022/05/12/16.2>

Mida tähendab kaugküttevõrkudele antav tõhusa kaugkütte märgis? [Võrguväljaanne]
postimees.ee 2022 ["Mida tähendab kaugküttevõrkudele antav tõhusa kaugkütte märgis?"](#)

Milline on energiatõhus maja
Mustamäe 2020 / Lk. 4-5 : fot [Milline on energiatõhus maja](#) https://www.ester.ee/record=b1072635*est

Mis on liginullenergiaülikooli hind?
Kurnitski, Jarek; **Sarv, Mari** Õo ehitusleht.ee 2024 <https://ehitusleht.ee/mis-on-liginullenergiaulikooli-hind/>

Moisture safety in prefabricated roof renovations : causes and strategies

Kodi, Georg-Mihkel; Kalbe, Kristo; Pihelo, Peep; Kalamees, Targo Journal of sustainable architecture and civil engineering 2024 / p. 68-83 <https://doi.org/10.5755/j01.sace.35.2.35825> [Journal metrics at Scopus](#) [Article at Scopus](#)

MORE-CONNECT : new developments in prefabricated multifunctional building envelope elements and installation platforms for NZE renovation

Op't Veld, Peter; **Kalamees, Targo**; Rovers, Ronald CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 1 2016 / [10] p. : ill

Mustamäe KÜ ümarlaud toimus seekord energiatõhusas elamus Akadeemia tee 5a

Mustamäe 2020 / Lk. 3 <https://www.tallinn.ee/est/mustamae/Uudis-KU-umarlaud-toimus-energiatohusas-elamus-Akadeemia-tee-5a>

Möttetalgud: Linn vajab kogumiskohti ka kõlbmatuks kantud riiete jaoks

Eisen, Lea Pealinn 2021 / Lk. 13 ["Möttetalgud: Linn vajab kogumiskohti ka kõlbmatuks kantud riiete jaoks"](#)

Nearby use of renewable energy sources - an alternative for on-site production

Kurnitski, Jarek The REHVA European HVAC journal 2013 / p. 11-12 : ill

Nearly zero energy buildings nZEB : [editorial]

Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 4 : photo

Nearly Zero Energy hotels

Buso, Tiziana; **Kurnitski, Jarek**; Corgnati, Stefano Paolo; Litiu, Andrei; Derjanecz, Anita The REHVA European HVAC journal 2014 / p. 7-11 : ill

Nearly zero energy (nZEB) regulation progress in Europe

Kurnitski, Jarek Second International Conference on Energy and Indoor Environment for Hot Climates : Outdoor Cooling Technologies, Challenges, and Opportunities for the Hot Climates : February 26th - 27th, 2017, Doha, Qatar 2017 / p. 9

Nearly zero energy renovation concepts for apartment buildings

Kuusk, Kalle; Naumann, Jens; Gritzki, Anina; Felsmann, Clemens; De Carli, Michele; **Kurnitski, Jarek** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18009, <https://doi.org/10.1051/e3sconf/202017218009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Nearly zero energy wooden buildings : day-care centres from NERO project

Kuusk, Kalle; Kaiser, Ahmed; Lolli, Nicola; Jan, Johansson; Hasu, Tero; Gunnarshaig Lien, Anne; **Arumägi, Endrik**; **Kalbe, Kristo**; **Hallik, Jaanus**; **Kurnitski, Jarek**; **Kalamees, Targo** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 54-55 : ill https://www.ester.ee/record=b5197207*est

Nearly zero-energy building's (nZEB) definitions and assessment boundaries

Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 7-30 : ill https://doi.org/10.1007/978-1-4471-5610-9_2 [Article collection metrics at Scopus](#) [Article at Scopus](#)

New book on nearly zero energy buildings (nZEB) by Jarek Kurnitski, editor

Kurnitski, Jarek The REHVA European HVAC journal 2014 / p. 66 : ill

Niiskusturvalisus on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades? [Võrguväljaanne]

digi.geenius.ee 2022 [on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades?](#) <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7>

nZEB case studies

Kurnitski, Jarek; Achermann, Matthias Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 135-176 : ill https://doi.org/10.1007/978-1-4471-5610-9_8 [Article collection metrics at Scopus](#) [Article at Scopus](#)

nZEB definitions in Europe

Kurnitski, Jarek; Buso, Tiziana; Corgnati, Stefano Paolo; Derjanecz, Anita; Litiu, Andrei The REHVA European HVAC journal 2014 / p. 6-9 : ill

nZEB office building : Ympäristötalo in Helsinki, Finland

Kurnitski, Jarek The REHVA European HVAC journal 2012 / p. 44-49 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-office-building-ympaeristoetalo-in-helsinki-finland>

nZEB renovation of multi-storey building with prefabricated modular panels

Pihelo, Peep; **Kalamees, Targo**; **Kuusk, Kalle** IOP conference series : materials science and engineering 2017 / art. 012056, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012056> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

nZEB renovation of multi-storey building with prefabricated modular panels

Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle 3rd International Conference "Innovative Materials, Structures and Technologies" : Riga, Latvia, 27-29 September 2017 : [abstracts] 2017 / p. 129

nZEB renovation with prefabricated modular panels

Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle Energy procedia 2017 / p. 1006-1011 : ill <https://doi.org/10.1016/j.egypro.2017.09.708>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

NZEB requirements in Nordic countries

Kurnitski, Jarek The REHVA European HVAC journal 2019 / p. 8-12 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-requirements-in-nordic-countries>

NZEB Requirements vs European Benchmarks in Residential Buildings

Simson, Raimo; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; Kurnitski, Jarek REHVA European HVAC Journal 2021 / p. 40-44 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-requirements-vs-european-benchmarks-in-residential-buildings>

nZEB retrofit of a concrete large panel apartment building

Kuusk, Kalle; Kalamees, Targo Energy procedia 2015 / p. 985-990 : ill <https://doi.org/10.1016/j.egypro.2015.11.038> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ohud akna paigaldamisel tekkivate külmasildade lihtsustatud arvutamisel [Võrguväljaanne]

Hallik, Jaanus ehitusuudised.ee 2021 <https://www.ehitusuudised.ee/uudised/2021/02/17/ohud-akna-paigaldamisel-tekkivate-kulmasildade-lihtsustatud-arvutamisel>

Optimized energy scheduling of residential DC building: Case of Nordic climate

Sidorova, Aleksandra; Blinov, Andrei; Ahmadihangar, Roya; Vinnikov, Dmitri; Vösa, Karl-Villem; Kurnitski, Jarek 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227437>

Overheating prevention and daylighting in buildings without mechanical cooling = Ülekuumenemise vältimine ja loomuliku valguse tagamine mehaanilise jahutuseeta hoonetes

Simson, Raimo 2019 <https://digikogu.taltech.ee/et/Item/1bdb4ba-33ef-4596-a0bd-dcb6653bc81a>

Overview of Energy Management Systems for net zero energy buildings

Maask, Vahur 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 172-174 : ill http://ise.elnet.ee/record=b2950102~S2*est

Parima energiatõhususega uued liginullenergiahooned on Eestis

Ehitaja 2020 / lk. 7 : fot http://www.ester.ee/record=b1072123*est

Performance analysis of protection methods in residential DC microgrids

Jalakas, Tanel; Banavath, Satish Naik; Chub, Andrii; Roasto, Indrek; Vinnikov, Dmitri 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227388>

Performance evaluation and development of prefabricated insulation elements for renovation of apartment buildings with autoclaved aerated concrete external walls

Pihelo, Peep; Kalamees, Targo Energy and buildings 2025 / art. 115439 <https://doi.org/10.1016/j.enbuild.2025.115439>

Performance of heat recovery ventilation system with ground source brine heat exchanger pre-heating system in the context of nZEB

Kuusk, Kalle; Hallik, Jaanus; Kalamees, Targo; Mäuring, Tõnu Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 17-22 : ill

Piskust ei piisa : korterleamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks

Kuusk, Kalle EhitusEST 2015 / lk. 36-37 https://artiklid.elnet.ee/record=b2747278*est

Potential of moisture dry-out from concrete wall in Estonian climate

Pihelo, Peep; Lelumees, Magnus; Kalamees, Targo International RILEM Conference on Materials, Systems and Structures in Civil Engineering 2016 : segment on Moisture in Materials and Structures : Lyngby, Denmark, August 22-24, 2016 2016 / p. 289-298 : ill https://files.conferencemanager.dk/medialibrary/2A179311-431D-479F-9B86-AC05B769477E/images/Moisture_conf_proceedings.pdf

Prefab light clay-timber elements for net zero whole-life carbon buildings : [conference paper]

Päätao, Juha; Kers, Jaan; Rohumaa, Anti; Alao, Percy Festus; Liblik, Johanna; Lylykangas, Kimmo Sakari 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 124-125 : ill

<https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Prefabricated wooden modular elements for nZEB renovation

Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle Advanced Building Skins : 13th Conference on Advanced Building Skins, 1-2 October, 2018, Bern, Switzerland 2018 / p. 591–598 : ill <https://abs.green/files/pdf/content-2018.pdf> <https://abs.green/conference-proceedings/>

Presidendi noore inseneri preemia pälvis Tuule Mall Parts

novaator.err.ee 2025 <https://novaator.err.ee/1609643513/presidendi-noore-inseneri-preemia-palvis-tuule-mall-parts>
<https://trialoog.taltech.ee/taltech-teadur-tuule-mall-parts-palvis-noore-inseneri-preemia/>

Principles and practice of zero energy buildings in Estonia [Online resource]

Arumägi, Endrik; Kalamees, Targo Sustainable Built Environment : Transition Zero : conference publication of the Utrecht SBE16 Conference on 7-8 April 2016 2016 / p. 147-155 : ill <http://hu-conferenties.nl/getmedia.php?Media=sbe16/sbe16.pdf&Online=true>

Professor Targo Kalamees võrdleb hoonete heitevabaks tegemist Eesti sõjajärgse ülesehitusega

Kalamees, Targo ehitusleht.ee 2025 <https://ehitusleht.ee/professor-targo-kalamees-eesmark-viia-hoonefond-heitevabaks-on-sama-suur-valjakutse-kui-kunagi-oli-sojajargne-hoonefondi-ulesehitamine/>

Puidust liginullenergiahoone kuluoptimaalseks

Arumägi, Endrik Ehitaja 2021 / lk. 32-33 : ill https://www.ester.ee/record=b1072123*est

Puitmajasektor valmistub liginullenergiahooneid tootma : [seminaril "Aasta liginullenergiahoones" tutvustati TTÜ testmaja]

Ehitaja 2014 / lk. 10

Põhjamaade energiasäästlikemad hooned asuvad Eestis

Imeline Teadus 2020 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Päikeseelektri tulva aitaks leevendada kohalik salvestusvõimsus

Alvela, Ain novaator.err.ee 2023 [Päikeseelektri tulva aitaks leevendada kohalik salvestusvõimsus https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48feb7fc7aa](https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48feb7fc7aa)

Rahvusvahelisest tööst Virumaa Kolledžis

Shirokova, Veroonika Trialoog 2025 <https://trialoog.taltech.ee/rahvusvahelisest-toost-virumaa-kolledzis/>

Realisation of energy performance targets of an old apartment building renovated to nZEB

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill <https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Redefining cost-optimal nZEB levels for new residential buildings

Simson, Raimo; Arumägi, Endrik; Kuusk, Kalle; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 03035, 7 p. : ill <https://doi.org/10.1051/e3sconf/201911103035> [Conference proceedings at Scopus](#) [Article at Scopus](#)

REHVA nZEB technical definition and system boundaries for nearly zero energy buildings

Kurnitski, Jarek Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

REHVA nZEB technical definition and system boundaries for nearly zero energy buildings : 2013 revision for uniformed national implementation of EPBD recast prepared in cooperation with European standardization organization CEN 2013

Relevance of renewable energy ratio indicator in describing nZEB performance

Thalfeldt, Martin; Kurnitski, Jarek; Gräslund, Jonas; Kempe, Per; Verwer, Jeroen CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 6 2016 / [10] p. : ill

Renovation of apartment buildings with prefabricated modular panels

Kuusk, Kalle; Pihelo, Peep; Kalamees, Targo E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 03023, 6 p <https://doi.org/10.1051/e3sconf/201911103023> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Reportaaž : teadlastega "põllul"

Minnik, Taavi Eesti Teaduste Akadeemia sõnas ja pildis 2019 2020 / lk. 84-87 : fot

Residential buildings with heat pumps peak power reduction with high performance insulation

Sarevet, Henri; Fadejev, Jevgeni; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on

Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 12008, 5 p. : ill
<https://doi.org/10.1051/e3sconf/202017212008> Conference proceedings at Scopus Article at Scopus Article at WOS

Residential energy management system to support increased renewable penetration = Taastuenergiaallikate kasutustihedust toetav energiahaldussüsteem

Shabbir, Noman 2022 <https://doi.org/10.23658/taltech.37/2022> <https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48feb7fc7aa>
https://www.ester.ee/record=b5503996*est

Residential heat recovery ventilation – European guidebook under preparation

Kurnitski, Jarek The REHVA European HVAC journal 2017 / p. 7–9 : ill <http://www.rehva.eu/publications-and-resources/rehva-journal/2017/062017/residential-heat-recovery-ventilation-european-guidebook-under-preparation.html>

Revision of REHVA nZEB technical definition for nearly zero energy buildings

Kurnitski, Jarek Magyar épületgepszet 2012 / p. 14-19 : ill

Sata miljoonaa inimestä asuu rapistuvissa neuvostoaikaisissa betonikerrostaloissa – Tallinnan teknillisessä yliopistossa keksittiin ratkaisu ongelmaan [Võrguväljaanne]

yle.fi 2019 / fot [Sata miljoonaa inimestä asuu rapistuvissa neuvostoaikaisissa betonikerrostaloissa – Tallinnan teknillisessä yliopistossa keksittiin ratkaisu ongelmaan](#)

Saue kortermaja tegaseline renoveerimine

Vilk, Urve Ehitaja 2022 / lk. 18-21 : fot https://www.ester.ee/record=b1072123*est

SB2S3 thin film solar cells by ultrasonic spray pyrolysis

Eensalu, Jako Siim; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Krunk, Malle GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 22 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

SBE16 konverents tõi Tallinnasse üle 150 osaleja

Kurnitski, Jarek EhitusEST 2016 / lk. 34 : fot https://artiklid.elnet.ee/record=b2808220*est

Setback efficiency of limited-power heating systems in cold climate

Kull, Tuule Mall; Simson, Raimo; Kurnitski, Jarek Cold Climate HVAC 2018 : Sustainable buildings in cold climates : proceedings of the 9th Cold Climate HVAC conference, Kiruna, Sweden, 2018, 12-15 March 2019 / p. 87-95
https://doi.org/10.1007/978-3-030-00662-4_8

Sovetiaja kortermaja sai liginullenergiahooneks tehases toodetud uudsete elementidega

Kalamees, Targo Äripäev 2018 / Korteriühistute eri, lk. 14-15 <https://static-pdf.aripaev.ee/r2UVRrqSe5wLtiOmkplqtq80nQEA.pdf>

Status on the ground : overview of existing surveys on energy performance related quality and compliance [Online resource]

Maivel, Mikk; Kuusk, Kalle; Simson, Raimo; Kurnitski, Jarek; Kalamees, Targo 2015 <http://qualicheck-platform.eu/wp-content/uploads/2015/06/QUALICheck-Report-Overview-of-existing-studies.pdf>

Students sleep while the professor is hard at work

Estonian Academy of Sciences yearbook 2019 : words and images. Facts and figures = Annales Academiae Scientiarum Estonicae 2020 / p. 80 : ill https://www.ester.ee/record=b1218154*est

Sustainable Built Environment Tallinn and Helsinki Conference 2016 (SBE16) : Build Green and Renovate Deep : Tallinn, Estonia and Helsinki, Finland, 5-7 October 2016

2016

Säästlik käitumine ja renoveerimine aitavad energiakulusid madalamal hoida [Võrguväljaanne]

Kalamees, Targo delfi.ee 2022 ["Säästlik käitumine ja renoveerimine aitavad energiakulusid madalamal hoida"](#)

Tallinna tehnikaülikooli energiaruuter loob majadele omaette elektrivõrgu

Eesti Ekspress 2018 / lk. [23] <https://ekspress.delfi.ee/artikkel/84721243/tallinna-tehnikaülikooli-energiaruuter-loob-majadele-omaette-elektrivorgu>

Tallinnast saab innovaatiline nutikate linnade teejuht

Karlep, Ivo pealinn.ee 2019 [Tallinnast saab innovaatiline nutikate linnade teejuht](#)

TalTechi Ehituse Mäemaja sai sisearhitektide liidu aastapreemia

Director. Inseneeria 2022 / lk. 62-64 : fot http://www.ester.ee/record=b2336521*est <https://director.ee/2022/02/03/taltech-ehituse-maemaja-sai-sisearhitektide-liidu-aastapreemia/>

TalTechi energeetikud esitlesid uudset energiasalvestit

ehitusuudised.ee 2019 [TalTechi energeetikud esitlesid uutset energiasalvestit](#)

TalTechis valmistatakse ette hoonete energiatõhususe arenguhüpet

Võsa, Karl-Villem 2025 [TalTechis valmistatakse ette hoonete energiatõhususe arenguhüpet](#)

Targo Kalamehe töötuba ongi teaduslik eksperiment : [liginullenergiahoone]

Käär, Ulvar Horisont 2013 / lk. 44-45 : ill https://artiklid.elnet.ee/record=b2625495*est

Teadlane vastab : millised hakkavad olema tulevikumajad? [Võrguväljaanne]

Kurnitski, Jarek Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: millised hakkavad olema tulevikumajad?](#)

Teadlased nuputavad, kuidas ehitada kliimaneutraalset ja taskukohast maja

Leis, Tiiu Postimees 2021 / Lk. 6-7 <https://dea.digar.ee/publication/postimees> https://www.ester.ee/record=b1072778*est

Teadlased nuputavad, kuidas ehitada kliimaneutraalset ja taskukohast maja [Võrguväljaanne]

Leis, Tiiu postimees.ee 2021 ["Teadlased nuputavad, kuidas ehitada kliimaneutraalset ja taskukohast maja"](#)

Teaduselt ühiskonnale : energia kokkuhoid : Mida tähendab ehituskonstruksiooniliselt liginullenergiahoone nZEB? Mis on sellise hoone olemuslik kontseptsioon?

Kurnitski, Jarek KesKus 2013 / lk. 44 : ill <http://kes-kus.ee/teaduselt-uhiskonnale/>

Technical definition for nearly zero energy buildings

Kurnitski, Jarek The REHVA European HVAC journal 2013 / p. 22-28 : ill

Tehases toodetud valmiselemendid annavad renoveerimisele kiirema käigu

Vilk, Urve Äripäev 2020 / Lk. 8, 10-11 <https://dea.digar.ee/publication/aripaev>

Tehases toodetud valmiselemendid kiirendavad renoveerimist

Pihelo, Peep Ehitaja 2020 / lk. 26-29 : fot http://www.ester.ee/record=b1072123*est

<https://www.ehitusuudised.ee/uudised/2020/07/29/tehases-toodetud-valmiselemendid-annavad-renoveerimisele-kiirema-kaigu>

Tehnikateaduste valdkonna aastapreemia tööde tsükli "Liginullenergiahoonete süsteemiirid ja tehnilised lahendused" eest : Jarek Kurnitski. Hoonete energiatõhususe imeline maailm

Kurnitski, Jarek Eesti Vabariigi preemiad 2018 : teadus. F. J. Wiedemanni keeleauhind. Kultuur. Sport 2018 / lk. 100-123 : ill., portr

Testing of moisture safety and energy performance quality commission process of nZEB renovation

Pihelo, Peep; Kalamees, Targo Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 66-67 : ill https://www.ester.ee/record=b5197207*est

Thermal performance of ETICS, energy activated with PCM and PV

Talvik, Martin; Ilomets, Simo; Kalamees, Targo; Klõšeiko, Paul; Heim, Dariusz; Wieprzkowicz, Anna; Knera, Dominika Journal of physics : conference series 2021 / art. 012116, p. 1-8 : ill <https://doi.org/10.1088/1742-6596/2069/1/012116> [Conference Proceedings at Scopus Article at Scopus](#)

Total economy of windows and facades in low energy office buildings

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik; Pikas, Ergo The REHVA European HVAC journal 2014 / p. 19-24 : ill

Towards Nearly Zero-Energy Buildings through analyzing reasons for degradation of facades

Sulakatko, Virgo; Lill, Irene; Soekov, Erki; Arhipova, Riina; Witt, Emllyn David Qivitoq; Liisma, Eneli Procedia economics and finance 2014 / p. 592-600 : ill

Towards nZEB - some examples of national requirements and roadmaps

Jagemar, Lennart; Schmidt, Michael; Allard, Francis; Heiselberg, Per; **Kurnitski, Jarek** The REHVA European HVAC journal 2011 / p. 14-17 : ill <https://vbn.aau.dk/en/publications/towards-nzeb-some-examples-of-national-requirements-and-roadmaps>

TTÜ ehitab vana ühiselamu liginullenergiahooneks

Mente et Manu 2017 / lk. 8 : ill https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html https://artiklid.elnet.ee/record=b2816013*est

TTÜ pereühiselamu lugu : vanast paneelmajast moodsaks liginullenergiahooneks = История семейного общежития

TTÜ : современное здание с близким к нулю потреблением энергии из старого панельного дома

Trell, Kristel Elamu 2018 / lk. 10-13, 32-35 : ill https://www.ester.ee/record=b1072137*est https://artiklid.elnet.ee/record=b2865889*est

TTÜ pereühiselamust saab liginullenergiahoone

Ehitaja 2017 / lk. 8 : fot http://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2814000*est

Tuule Mall Parts: energiatõhususe fännist nooreks tippteadlaseks

Parts, Tuule Mall Trialoog 2025 <https://trialoog.taltech.ee/tuule-mall-parts-energiatõhususe-fännist-nooreks-tippteadlaseks/>

Töötajad on tihti haiged? Teadlane: "Hea sisekliima aitab tervena püsida ja paremini tööle keskenduda."

Hallik, Liina ohtuleht.ee 2023 [TÖÖTAJAD ON TIHTI HAIGED? Teadlane: "Hea sisekliima aitab tervena püsida ja paremini tööle keskenduda."](#)

US DOE launched a common definition for Zero Energy Buildings

Kurnitski, Jarek; Hogeling, Jaap The REHVA European HVAC journal 2015 / p. 58-60 : ill

Uuring : Eesti liginullenergiahooned on Põhjamaade kõige säästlikumad [Võrguväljaanne]

Kurnitski, Jarek novaator.err.ee 2020 / fot [Uuring: Eesti liginullenergiahooned on Põhjamaade kõige säästlikumad](#)

Vajalikke selgitusi liginullenergiahoone ja energiatõhususe kohta = Разъяснения по энергетической эффективности и зданиям с близким к нулю потреблением энергии

Kurnitski, Jarek Elamu 2018 / lk. 14-15 : fot; 36-37 : фото https://www.ester.ee/record=b1072137*est
https://artiklid.elnet.ee/record=b2865891*est

Vanast paneelmajast saab teadusliku katsega liginullenergiahoone

Käärt, Ulvar Horisont 2017 / lk. 32-35 : fot http://www.ester.ee/record=b1072243*est https://artiklid.elnet.ee/record=b2823548*est

Vanast ühiselamust saab liginullenergiahoone : [TTÜ ühiselamu]

Nöges, Krõõt Eesti Päevaleht 2017 / Ehitus ja kinnisvara, lk. 3

Veebikonverents Säästlik Hoone annab 4,3 täiendõppepunkti [Võrguväljaanne]

ehitusuudised.ee 2021 ["Veebikonverents Säästlik Hoone annab 4.3 täiendõppepunkti"](#)

Vertical temperature gradient and operative temperature with three heating systems in a low-energy building

Maivel, Mikk; Kurnitski, Jarek; Lahesoo, Kaarel 7. Passivhus Norden / Sustainable Cities and Buildings : Copenhagen, 20-21 August 2015 2015 / p. 1-9 : ill

What kind of heat loss requirements nZEB and deep renovation sets for building envelope?

Kalamees, Targo; Lupišek, Antonin; Sojkova, Katerina; **Kuusk, Kalle** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 55-56 : tab

What kind of heat loss requirements nZEB and deep renovation sets for building envelope? [Online resource]

Kalamees, Targo; Lupišek, Antonin; Sojkova, Katerina; **Kuusk, Kalle** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 137-144 : ill

Voltage source operation of the energy-router based on model predictive control

Roasto, Indrek; Husev, Oleksandr; Najafzadeh, Mahdiyyeh; Jalakas, Tanel; Rodriguez, Jose Energies 2019 / art. 1892, 15 p. . ill <https://doi.org/10.3390/en12101892> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

WS 16 nZEB nearly zero energy buildings - system boundaries and implementation in national codes

Kurnitski, Jarek Energy efficient, smart and healthy buildings : REHVA Workshops at CLIMA 2013 : Prague, Czech Republic, 17-19 June 2013 2013 / p. 81-87 : ill

Премия молодого инженера от президента получила Тууле Малл Партс

rus.err.ee 2025 <https://rus.err.ee/1609643591/premiju-molodogo-inzhenera-ot-prezidenta-poluchila-tuule-mall-parts>

Самая важная составляющая дома с почти нулевым энергопотреблением – осознанный жилец

rus.delfi.ee 2022 [Самая важная составляющая дома с почти нулевым энергопотреблением – осознанный жилец](#)