

## **Aasta parimad tehasemajad : suurhoonetest erilahendusteni**

Kiisler, Eva; Vahtramäe, Eeva Ehitaja 2018 / lk. 18-24 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*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 [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)

## **Algas registreerimine konverentsile Säästlik Hoone 2022 [Võrguväljaanne]**

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

## **Analüüs uue puidust liginullenergiahoone kuluoptimaalsusest**

Arumägi, Endrik Kõik ärikinisvarast : [ajalehe Äripäev lisa] 2021 / Lk. 10 [https://static-pdf.aripaev.ee/QddBW9e\\_Hq4I1zNz\\_G0UWVGUitE.pdf](https://static-pdf.aripaev.ee/QddBW9e_Hq4I1zNz_G0UWVGUitE.pdf) [https://www.ester.ee/record=b5223461\\*est](https://www.ester.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 insolation 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 <http://dx.doi.org/10.1080/23744731.2016.1195657>

## **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://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html)

## **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 [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*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

## **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>

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

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

## **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.eester.ee/record=b5638401\\*est](https://www.eester.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

**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://artiklid.elnet.ee/record=b2632889*est)

**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>

**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

## 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 <http://dx.doi.org/10.1080/23744731.2016.1206793>

## 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>

## Editorial

Kurnitski, Jarek Energy procedia 2016 / p. 1-4 : ill <https://doi.org/10.1016/j.egypro.2016.09.088>

## 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 liginullenergiahoonete 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://ekel.ee/images/files/failid/EKEL_AASTARAAMAT_2020.pdf) [https://www.ester.ee/record=b1222961\\*est](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

## Efektiivne, hea soojustuse ja planeeringuga maja

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

## 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](#)

## 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](https://doi.org/10.1007/978-3-030-31459-0_9)

## Elementrenoveerimine kui paneelilamu 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](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

## **Energiaatõhususe arengud ja uued uuringud**

**Kurnitski, Jarek** EhitusEST 2016 / lk. 22-26 : ill [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est)

## **Energy and buildings. Vol. 106, SI, IEA-ECES Annex 31 special issue on thermal energy storage** 2015

## **Energy performance of buildings**

2020 [https://www.mdpi.com/journal/energies/special\\_issues/energy\\_performance\\_of\\_buildings](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

## **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](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

## **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

## **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; Märing, 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](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>

### **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 <http://dx.doi.org/10.1080/23744731.2016.1195661>

### **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**

Corino, Oriana; Buso, Tiziana; **Kurnitski, Jarek** The REHVA European HVAC journal 2015 / 28-32

### **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

### **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)" <https://dea.digar.ee/article/postimees/2021/12/17/3.6>

### **Hoonete kuluoptimaalsete energiatõhususe miinimumtasemete analüüs [Võrguteavik]**

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

### **Hoonete rekonstrueerimise pikaajaline strateegia**

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

### **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/201911103038> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **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>

### **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>

### **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>

### **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](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

### **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** Inseneria 2016 / lk. [24]-25 : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

### **Jarek Kurnitski : tulevik kuulub liginullenergiamajadele [Võrguteavik]**

**Kurnitski, Jarek** Postimees 2018 [Tulevik kuulub liginullenergiamajadele](http://www.ester.ee/record=b2336521*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

### **Kliima, teadlaste ja ettevõtjate koostöös : TTÜ pereühiselasust 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://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1)

### **Kliimakokkuleppe täitmiseks tuleb renoveerida 146 miljonit hoonet [Võrguväljaanne]**

keskkonnatehnika.ee 2021 ["Kliimakokkuleppe täitmiseks tuleb renoveerida 146 miljonit hoonet"](https://www.ester.ee/record=b2336521*est)

### **Kliimaministeerium 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://www.ester.ee/record=b2336521*est)

### **Kuidas alandada puithoonete maksumust?**

**Kalamees, Targo** Ehitaja 2020 / lk. 32-33 : portr [https://www.ester.ee/record=b1072123\\*est](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](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](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://www.ester.ee/record=b2336521*est)

### **Liginullenergia väljakutse on inimesed**

**Kurnitski, Jarek** Äripäev 2018 / lk. 12 [Liginullenergia väljakutse on inimesed](https://www.ester.ee/record=b2336521*est)

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

**Liginullenergiahooned täna ja homme : artiklite kogumik**  
2015

**Liginullenergiahoonete näiteid meilt ja mujalt**  
EhitusEST 2015 / lk. 42 : ill

**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 2013 / p. 224-236 : ill

**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](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/rtuect-2017-0001>

**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](https://www.ester.ee/record=b1072635*est)

**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](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

### **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

### **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-ymperiaetoetoalo-in-helsinki-finland>

### **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 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>

### **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>

### **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 Englund; 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

## **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; Võsa, 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/1b5db4ba-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](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](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 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; Muring, 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

## **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](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]**

Päätalo, 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>

## **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/>

## **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>

## **Puidust liginullenergiahoone kuluoptimaalseks**

**Arumägi, Endrik** Ehitaja 2021 / lk. 32-33 : ill [https://www.ester.ee/record=b1072123\\*est](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](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-48fefb7fc7aa](https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48fefb7fc7aa)

## **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 = Taastuvenergiaallikate kasutustihedust toetav energiahaldussüsteem**

Shabbir, Noman 2022 <https://doi.org/10.23658/taltech.37/2022> <https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48fefb7fc7aa> [https://www.ester.ee/record=b5503996\\*est](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 épületgepeszet 2012 / p. 14-19 : ill

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

yle.fi 2019 / fot [Sata miljoonaa ihmistä 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](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; Krunks, Malle GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 22 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

## **SBE16 konverents tõi Tallinnasse üle 150 osaleja**

Kurnitski, Jarek EhitusEST 2016 / lk. 34 : fot [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*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](https://doi.org/10.1007/978-3-030-00662-4_8)

### **Sovetiaja kortermaja sai liginullenergiahooneks tehases toodetud uudsete elementidega**

**Kalamees, Targo** Äripäev 2018 / Korterühistute eri, lk. 14-15

### **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](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**

### **Säästlik käitumine ja renoveerimine aitavad energiakulusid madalamal hoida [Võrguväljaanne]**

**Kalamees, Targo** delfi.ee 2022 ["Säästlik käitumine ja renoveerimine aitavad energiakulusid madalamal hoida"](https://delfi.ee/2022/07/29/saastlik-kaitumine-ja-renoveerimine-aitavad-energiakulusid-madalamal-hoida)

### **Tallinna tehnikaülikooli energiaruuter loob majadele omaette elektrivõrgu**

Eesti Ekspress 2018 / lk. [23]

### **Tallinnast saab innovaatiline nutikate linnade teejuht**

Karlep, Ivo pealinn.ee 2019 [Tallinnast saab innovaatiline nutikate linnade teejuht](https://pealinn.ee/2019/07/29/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](http://www.ester.ee/record=b2336521*est) <https://director.ee/2022/02/03/taltechi-ehituse-maemaja-sai-sisearhitektide-liidu-aastapreemia/>

### **TalTechi energeetikud esitlesid uudset energiasalvestit**

ehitusuudised.ee 2019 [TalTechi energeetikud esitlesid uudset energiasalvestit](https://ehitusuudised.ee/2019/07/29/taltechi-energeetikud-esitlesid-uudset-energiasalvestit)

### **Targo Kalamehe töötuba ongi teaduslik eksperiment : [liginullenergiahoone]**

Käärt, Ulvar Horisont 2013 / lk. 44-45 : ill

### **Teadlane vastab : millised hakkavad olema tulevikumajad? [Võrguväljaanne]**

**Kurnitski, Jarek** Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: millised hakkavad olema tulevikumajad?](https://www.youtube.com/watch?v=Uj8v8v8v8v8)

### **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](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"](https://postimees.ee/2021/07/29/teادلased-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](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 keelea hind. 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](https://www.ester.ee/record=b5197207*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 <http://dx.doi.org/10.1016/j.jobbe.2016.02.002>

**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, Emlyn David Qivitoq; Liisma, Eneli** Procedia economics and finance 2014 / p. 592-600 : ill

**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://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html)

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

**TTY : 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://www.ester.ee/record=b1072137*est)

**TTÜ pereühiselamust saab liginullenergiahoone**

Ehitaja 2017 / lk. 8 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

**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://www.ester.ee/record=b1072137*est)

**Vanast paneelmajast saab teadusliku katsega liginullenergiahoone**

Käärt, Ulvar Horisont 2017 / lk. 32-35 : fot [http://www.ester.ee/record=b1072243\\*est](http://www.ester.ee/record=b1072243*est)

**Vanast ühiselamust saab liginullenergiahoone : [TTÜ ühiselamu]**

**Nõges, 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

**Самая важная составляющая дома с почти нулевым энергопотреблением – осознанный жилец**

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