

Actual energy performance and indoor climate in Finnish NZEB daycare and school buildings

Ahmed, Kaiser; Hasu, Tero; **Kurnitski, Jarek** Journal of building engineering 2022 / art. 104759

<https://doi.org/10.1016/j.jobe.2022.104759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adven Eesti hakkab TTÜ-ga koostööd tegema

Inseneria 2016 / lk. 48 http://www.ester.ee/record=b2336521*est

Aggregated energy flexibility provision using residential heat pumps

Plaum, Freddy; Ahmadihangar, Roya; Rosin, Argo 2022 IEEE 16th International Conference on Compatibility, Power

Electronics, and Power Engineering (CPE-POWERENG) 2022 / 5 | <https://doi.org/10.1109/CPE-POWERENG54966.2022.9880898>

An optimal solution of thermal energy usage in the integrated system of stormwater collection and domestic-water heating

Kollo, Monika; Laanearu, Janek Urban water journal 2017 / p. 212-222 : ill <http://dx.doi.org/10.1080/1573062X.2015.1086006>

Analysis of heating energy of ventilation systems in non-residential passive houses in Estonia

Voll, Hendrik; Raide, Indrek Recent Researches in Urban Sustainability and Green Development : proceedings of the 2nd International Conference on Urban Sustainability, Cultural Sustainability, Green Development, Green Structures and Clean Cars (USCUDAR'11) : Prague, Czech Republic, September 26-28, 2011 2011 / p. 95-100 : ill

Automatiseeritud kuumavee katelseade tükktribale ja puiduhakkele : [toote prospekt]

Veski, Ants; Ots, Arvo; Pihu, Tõnu 1996

Changes in thermal energy consumption in apartment buildings of Estonia

Kõiv, Teet-Andrus Proceedings of the Conference "Building Energy Efficiency in the Baltics : BENEFIT2006" : Riga, Latvia, October 25, 2006 2006 / p. 227-238

Dehydration of AlPO₄-34 studied by variable-temperature NMR, XRD and first-principles calculations

Varlec, Jure; Krajnc, Andraž; **Vanatalu, Kalju; Oss, Andres; Samoson, Ago** New journal of chemistry 2016 / p. 4178-4186 : ill

<http://dx.doi.org/10.1039/c5nj02838h>

Dmitri Nešumajev, tehnika- ja arvutiteadused [Võrguväljaanne]

Nešumajev, Dmitri Eesti Teaduste Akadeemia : Youtube kanal 2021 / video [Dmitri Nešumajev, tehnika- ja arvutiteadused](#)

Editorial - IEA-ECES Annex 31 special issue on thermal energy storage

Kurnitski, Jarek; Haghighat, Fariborz; Mirzaei, Parham A. Energy and buildings 2015 / p. 1-2

Elektri- ja soojaenergia koostootmine

Kruus, Rein Avatud parlament : säästlik areng ja Eesti energeetika : 14. novembril 1996. a. toimunud konverentsi ettekanded 1997 / lk. 30-31 : ill

Eluaseme energiasäästlik hooldamine

Hääl, Kaido; Laur, Toomas; Sasi, Lennart; Vares, Villu 2000 https://www.ester.ee/record=b1438982*est

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

2015

Energy and indoor climate performance of heat pumps and dehumidification

Napp, Margus; Kalamees, Targo The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 102-125

Energy performance of radiators with parallel and serial connected panels

Maivel, Mikk; Konzelmann, Martin; Kurnitski, Jarek Energy and buildings 2015 / p. 745-753 : ill

Energy performance of radiators with parallel and serial connected panels

Maivel, Mikk; Konzelmann, Martin; Kurnitski, Jarek The REHVA European HVAC journal 2014 / p. 18-21 : ill

Experimental evaluation of IDA ICE and COMSOL models for an asymmetric borehole thermal energy storage field in Nordic climate

Xue, Tianchen; Jokisalo, Juha; Kosonen, Risto; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo Applied thermal engineering 2022 / art. 119261, 15 p. : ill <https://doi.org/10.1016/j.applthermaleng.2022.119261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility of thermal energy storage integration into biomass CHP-based district heating system

Volkova, Anna; Latõšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Chemical engineering transactions 2018 / p. 499-504 : ill

Geothermal energy piles and boreholes design with heat pump in a whole building simulation software

Fadejev, Jevgeni; Kurnitski, Jarek Energy and buildings 2015 / p. 23-34 : ill

Heat energy and water consumption in apartment buildings

Kõiv, Teet-Andrus; Toode, Alvar Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 3, p. 235-241 : ill

Heat recovery ventilation solutions for school building renovation

Kuivjõgi, Helena; Sarevet, Henri; Thalfeldt, Martin; Kurnitski, Jarek CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.208>

Heat storage combined with biomass CHP under the national support policy. A case study of Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Environmental and Climate Technologies 2020 / p. 171–184

<https://doi.org/10.2478/ruect-2020-0011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Heating system return temperature effect on heat pump performance

Maivel, Mikk Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / p. 112-118 : ill

Holistic approach to design healthy and resilient apartments

Sepulveda Luque, Abel; Smirnov, Roman; Donaire Galiano, María Dolores REHVA European HVAC Journal 2022 / p. 63-69

<https://www.rehva.eu/rehva-journal/chapter/holistic-approach-to-design-healthy-and-resilient-apartments>

Industrial CHP excess heat efficient usage for cooling

Uuemaa, Priit; Vigants, Haralds; Blumberga, Dagnija; Drovtar, Imre Energetika 2014 / p. 136-148 : ill

Inexpensive fluorene-based hole transporting material with terminated thiophene unit for efficient semi-transparent Sb2S3 solar cells

Jegorove, Aiste; Mandati, Sreekanth; Juneja, Nimish; Katerski, Atanas; Vembris, Aivars; Grzibovskis, Raitis; Getautis, Vytautas; Dedova, Tatjana; Magomedov, Artiom; Spalatu, Nicolae; Karazhanov, Smagul; Krunks, Malle; Oja Acik, Ilona Proceedings of International Conference on Hybrid and Organic Photovoltaics (HOPV22), València, Spain, 2022 May 19th - 25th 2022 <https://www.nanoqe.org/proceedings/HOPV22/62596b7159d9502382511011>

Kaevandusvee kasutamise potentsiaal soojusenergia allikana

Karu, Veiko TalveAkadeemia 2011 : teaduslikud lühiaartiklid 2011. Kogumik 9 2011 / lk. 69-77 : ill

Kallis küte. Kõrgkoolid on sunnitud taasooja maha keerama [Võrguväljaanne]

epl.delfi.ee 2022 [Kallis küte. Kõrgkoolid on sunnitud taasooja maha keerama](https://epl.delfi.ee/record=b2918099~S2*est)

Kaugküttesüsteeme tuleb planeerida tegelikele võimsustele vastavalt

Vares, Villu; Kask, Ülo Põlevad ja mittepõlevad energiaallikad = Combustible and non-combustible energy resources 2016 2016 / lk. 32-35 : ill http://ise.elnet.ee/record=b2918099~S2*est

Lõputu soojusenergia

Karu, Veiko; Valgma, Ingo; Robam, Karin XIX aprillikonverentsi "Eesti mere- ja maapõue uuringutest ning arukast kasutamisest" teesid 2011 / lk. 41-44 : ill., kaart

Maasoojuse kasutamisest Eestis - kas kauge unistus või lähitulevikuvõimalus?

Soesoo, Alvar Põlevad ja mittepõlevad energiaallikad = Combustible and non-combustible energy resources 2016 2016 / lk. 20-22 : ill http://www.ester.ee/record=b4613503*est

Management study of low-temperature water in the urban environment as a potential thermal-energy source

Laanearu, Janek; Borodinecs, Anatolijs; Rimeika, M.; Palm, B. 3rd International Conference "Innovative Materials, Structures and Technologies" : Riga, Latvia, 27-29 September 2017 : [abstracts] 2017 / p. 90

Model for the analysis of combined heat and power production = Soojuse ja elektri koostootmise analüüsi mudel

Latõšov, Eduard 2011

Modelling of wax actuators in underfloor heating manifolds

Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek E3S Web Conference : Cold Climate HVAC and Energy 2021 2021 / art. 11009, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124611009> Conference Proceedings at Scopus Article at Scopus Article at WOS

Multi-performance method for urban densification

Sepulveda Luque, Abel; Eslamirad, Nasim; De Luca, Francesco Proceedings of Building Simulation 2023 : 18th Conference of IBPSA 2023 / p. 1169-1176 https://publications.ibpsa.org/conference/paper/?id=bs2023_1307

Multi-source district heating system full decarbonization strategies: Technical, economic, and environmental assessment

Pakere, Ieva; Feofilovs, Maksims; Lepiksaar, Kertu; Vitolijš, Valdis; Blumberga, Dagnija Energy 2023 / art. 129296

<https://doi.org/10.1016/j.energy.2023.129296>

Mürkroheline Taani vs. mustjashall Eesti [Võrguväljaanne]

Karnau, Andrus postimees.ee 2021 / Lk. 10-11 : fot "[Mürkroheline Taani vs. mustjashall Eesti](https://www.ester.ee/record=b1072778*est)" https://www.ester.ee/record=b1072778*est

A new method to estimate point thermal transmittance based on combined two-dimensional heat flow calculation

Hallik, Jaanus; Kalamees, Targo E3S Web Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) 2020 / art.

08005, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017208005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical analysis of additional heat loss induced by air cavities between insulation boards due to non-ideality

Hallik, Jaanus; Klõšeiko, Paul; Piir, Reimo; Kalamees, Targo Journal of building engineering 2022 / art. 05221

<https://doi.org/10.1016/j.job.2022.105221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical modeling and validation of a large-scale borehole thermal energy storage system in Finland

Xue, Tianchen; Jokisalo, Juha; Kosonen, Risto; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo

E3S Web of Conferences : BuildSim Nordic 2022 2022 / art. 06003 <https://doi.org/10.1051/e3sconf/202236206003> [Conference](#)

[proceeding at Scopus](#) [Article at Scopus](#)

The oil spray cooling system of automotive traction motors : the state of the art

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Kallaste, Ants; Cardoso, Antonio J. Marques; Belahcen, Anouar; Vaimann,

Toomas IEEE Transactions on Transportation Electrification 2023 / p. 428-451 <https://doi.org/10.1109/TTE.2022.3189596>

Optimal strategy for comfort-based home energy management system considering impact of battery degradation cost model

Han, Binghui; Zahraoui, Younes; Mubin, Marizan; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex Mathematics 2023 /

art. 1333 <https://doi.org/10.3390/math11061333>

Optimization of renewable energy for buildings with energy storages and 15-minute power balance

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at](#)

[Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Perspektiivsetest elektri ja soojuste koostootmise tehnoloogiatest Eestis

Kruus, Rein; Vares, Villu 2002 https://www.ester.ee/record=b1743205*est

Planning of district heating regions in Estonia

Volkova, Anna; Latõšov, Eduard; Lepiksaar, Kertu; Siirde, Andres International journal of sustainable energy planning and

management 2020 / p. 5-16 : ill <https://doi.org/10.5278/ijsep.3490> [Journal metrics at Scopus](#) [Article at Scopus](#)

Potential usage of underground mined areas in Estonian oil shale deposit = Altkaevandatud alade kasutamine Eesti põlevkivimaardlas

Karu, Veiko 2012

Radiator, underfloor and air heating efficiency

Maivel, Mikk Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / p. 104-111 : ill

A review of optimal control methods for energy storage systems - energy trading, energy balancing and electric vehicles

Machlev, Ram; Zargari, Noa; Chowdhury, N; Belikov, Juri; Levron, Yoash Journal of energy storage 2020 / art. 101787, 16 p

<https://doi.org/10.1016/j.est.2020.101787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review on potential use of low-temperature water in the urban environment as a thermal-energy source

Laanearu, Janek; Borodinecs, Anatolijs; Rimeika, M.; Palm, B. IOP conference series : materials science and engineering 2017 /

art. 012054, p. 1-9 : ill <https://doi.org/10.1088/1757-899X/251/1/012054>

Seminar on District Heating and Electricity Cogeneration, 20-21 May, 1999, Tallinn : proceedings

1999 https://www.ester.ee/record=b1269755*est

Soojuste ja elektri koostootmise tehnoloogiatest

Paist, Aadu Eesti põlevloodusvarad ja -jäätmek 2013 / lk. 6-9 : ill

Soojuste tootmise efektiivsusest AS-is Kuressaare Soojus

Kask, Ülo Oma Saar 1997 / 8. okt., lk. 5

Soojusenergia ja selle hind

Ingermann, Karl Võrumaa Teataja 1996 / 9. apr

Tallinna Tehnikaülikool ning Eesti Jõujaamade ja Kaugkütte Ühing arvutasid välja kaugküttesektori CO2 jalajälje [Võrguväljaanne]

Bioneer.ee 2022 "[Tallinna Tehnikaülikool ning Eesti Jõujaamade ja Kaugkütte Ühing arvutasid välja kaugküttesektori CO2 jalajälje](#)"

The applicability of zero inflated beta distributions for stochastic modeling of PV plants power output

Astapov, Victor; Trashchenkov, Sergei 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16-18 May 2018 2018 / p. 124-130 : ill <https://doi.org/10.1109/EPE.2018.8395965>

The use of thermal energy storage for energy system based on cogeneration plant

Volkova, Anna; Siirde, Andres Recent Researches in Geography, Geology, Energy, Environment and Biomedicine : Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11) : Proceedings of the 2nd International Conference on Geography and Geology 2011 (WORLD-GEO '11) : Proceedings of the 5th International Conference on Energy and Development - Environment - Biomedicine 2011 (EDEB '11), Corfu Island, Greece, July 14-16, 2011 2011 / p. 71-75 : ill

Thermal network simulation of heat pump aggregated energy flexibility

Plaum, Freddy 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 101-102 : ill https://www.ester.ee/record=b5504019*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](#)

Vihmaveest saab sooja tarbevett

Imeline Teadus 2018 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Õhksoojuspump tuleks raha säästmise huvides infrapunapaneelide vastu välja vahetada – müüt või tõsilugu?

geenius.ee 2023 [Õhksoojuspump tuleks raha säästmise huvides infrapunapaneelide vastu välja vahetada – müüt või tõsilugu?](#)

Õigus soojale toale [Võrguväljaanne]

Alt, Silver pealinn.ee 2022 "[Õigus soojale toale](#)"

Ükski tark pole taevast tulnud : energia säästlik kasutamine

Kask, Ülo; Kask, Livia; Kask, Eha 2011 https://www.ester.ee/record=b2684315*est

Игорь Крупенский: тепло и свет-две стороны энергетическом безопасности

Krupenski, Igor Stolitsa 2022 / с. 10-11 [Игорь Крупенский: тепло и свет-две стороны энергетическом безопасности](#) [Игорь Крупенский: тепло и свет-две стороны энергетическом безопасности](#) [Игорь Крупенский: тепло и свет-две стороны энергетическом безопасности](#)

Народные советы и комментарии специалиста: как согреться, когда в квартире холодно? [Online resources]

mke.ee 2022 [Народные советы и комментарии специалиста: как согреться, когда в квартире холодно?](#)

Слишком дорого. Университеты Эстонии вынуждены уменьшать интенсивность отопления помещений [Online resources]

Palgi, Greete rus.delfi.ee 2022 [Слишком дорого. Университеты Эстонии вынуждены уменьшать интенсивность отопления помещений](#)

[Экономия энергии в квартирном доме]

Hääl, Kaido; Laur, Toomas; Sasi, Lennart; Vares, Villu 2006 https://www.ester.ee/record=b2270947*est