

Analyzing energy flexibility by demand response in a Finnish district heated apartment building

Ju, Yuchen; Jokisalo, Juha; Kosonen, Risto; Kauppi, Ville; Janßen, Philipp E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 09006, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124609006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Analyzing power and energy flexibilities by demand response in district heated buildings in Finland and Germany

Ju, Yuchen; Jokisalo, Juha; Kosonen, Risto; Kauppi, Ville; Janßen, Philipp Science and technology for the built environment 2021 / p. 1440-1460 : ill <https://doi.org/10.1080/23744731.2021.1950434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Anna Volkova, Siim Umbleja: olge valmis! Renoveerimislaine harjal tuleb kaugkütte kõrvale ka kaugjahutus

Volkova, Anna; Umbleja, Siim epl.delfi.ee 2023 [Anna Volkova, Siim Umbleja: olge valmis! Renoveerimislaine harjal tuleb kaugkütte kõrvale ka kaugjahutus](#)

Antti Roose: väärimise vastuolud uues energeetikas [Võrguvaljaanne]

Roose, Antti postimees.ee 2021 ["Antti Roose: väärimise vastuolud uues energeetikas"](#)

Basics of optimal design of district heating pipelines diameters and design examples of Estonian old non-optimised district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 149-153 : ill

Buildings' energy efficiency measures effect on CO2 emissions in combined heating, cooling and electricity production

Pylsy, Petri; Lylykangas, Kimmo Sakari; Kurnitski, Jarek Renewable and sustainable energy reviews 2020 / art. 110299, 18 p : ill <https://doi.org/10.1016/j.rser.2020.110299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of COP estimation methods for large-scale heat pumps used in energy planning

Pieper, Henrik; Ommen, Torben; Kjær Jensen, Jonas Energy 2020 / art. 117994, 13 p. : ill <https://doi.org/10.1016/j.energy.2020.117994>

Comparison of district heating supply options for different CHP configurations

Rušeljuk, Pavel; Dedov, Andrei; Hlebnikov, Aleksandr; Lepiksaar, Kertu; Volkova, Anna Energies 2023 / art. 603, 14 p. : ill <https://doi.org/10.3390/en16020603>

Comparison of suitable business models for the 5th generation district heating system implementation through game theory approach

Pakere, Ieva; Kacare, Marika; Murauskaite, Lina; Huang, Pei; Volkova, Anna Environmental and Climate Technologies 2023 / p. 1-15 <https://doi.org/10.2478/rtuct-2023-0001>

Coordinated planning strategy for integrated energy systems in a district energy sector

Yang, Wentao; Liu, Weijia; Chung, Chi Yung; Wen, Fushuan IEEE Transactions on sustainable energy 2020 / p. 1807-1819 <https://doi.org/10.1109/TSTE.2019.2941418>

Cost savings and CO2 emissions reduction potential in the German district heating system with demand response

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; Jokisalo, Juha; Kosonen, Risto; Janßen, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa Science and Technology for the Built Environment 2022 / p. 255 - 274 <https://doi.org/10.1080/23744731.2021.2018875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Coupling of the electricity and district heat generation sectors with building stock energy retrofits as a measure to reduce carbon emissions

Jokinen, Ilkka; Lund, Andreas; Hirvonen, Janne; Jokisalo, Juha; Kosonen, Risto; Lehtonen, Matti Energy conversion and management 2022 / art. 115961, 17 p. : ill <https://doi.org/10.1016/j.enconman.2022.115961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Damages of the Tallinn district heating networks and indicative parameters for an estimation of the networks general condition

Hlebnikov, Aleksandr; Volkova, Anna; Dzuba, Olga; Poobus, Arvi; Kask, Ülo Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies 2010 / p. 49-55 : ill <https://sciendo.com/article/10.2478/v10145-010-0034-3>

Decarbonisation of fossil-fuel CHP based district heating system = Fossiilkütustel põhineva CHP kaugküttesüsteemi dekarboniseerimine

Rušeljuk, Pavel 2023 <https://doi.org/10.23658/taltech.62/2023> <https://digikogu.taltech.ee/et/item/84455e85-92bf-4aba-8623-86c0904a8747> https://www.ester.ee/record=b5640849*est

Decarbonization strategies of Helsinki metropolitan area district heat companies

Su, Yijie; Hiltunen, Pauli; Syri, Sanna; Khatriwada, Dilip Renewable and Sustainable Energy Reviews 2022 / Art. 112274

Defining of eligible capacity for biomass cogeneration plants in small towns in Estonia

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 / [5] p.: ill. [CD-ROM]
<https://www.icrepq.com/crepq'10/447-Volkova.pdf>

Demand response potential of district heating in a swimming hall in Finland

Yuan, Xiaolei; Lindroos, Leo; **Jokisalo, Juha; Kosonen, Risto**; Pan, Yiqun; Jin, Hui Energy and buildings 2021 / art. 111149, 12 p. : ill <https://doi.org/10.1016/j.enbuild.2021.111149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and development of a conceptual solar energy laboratory for district heating applications

Chung, Jaewook; Sukumaran, Sreenath; Hlebnikov, Aleksandr; Volkova, Anna Solar 2023 / p. 504-521
<https://doi.org/10.3390/solar3030028>

Development of a user-friendly mobile app for the national level promotion of the 4th generation district heating

Volkova, Anna; Latõšov, Eduard; Mašatin, Vladislav; **Siirde, Andres** International journal of sustainable energy planning and management 2019 / p. 21-36 : ill <https://doi.org/10.5278/ijsepm.2019.20.3> [Journal metrics at Scopus](#) [Article at Scopus](#)

District cooling network planning. A case study of Tallinn

Volkova, Anna; Hlebnikov, Aleksandr; Ledvanov, Aleksandr; Kirs, Tanel; **Raudsepp, Urmas; Krupenski, Igor; Latõšov, Eduard** International Journal of Sustainable Energy Planning and Management 2022 / p. 63-78 : ill <https://doi.org/10.54337/ijsepm.7011> [Journal metrics at Scopus](#) [Article at Scopus](#)

District heating and CHP in Estonia

Paist, Aadu Seminar on District Heating and Electricity Cogeneration : 20-21 May, 1999, Tallinn, Estonia : proceedings 1999 / p. 7-12

Economic dispatch of CHP units through District Heating Network's demand-side management

Rušeljuk, Pavel; Lepiksaar, Kertu; Siirde, Andres; Volkova, Anna Energies 2021 / art. 4553, 20 p. : ill
<https://doi.org/10.3390/en14154553> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eelisolleeritud torudest kaugküttesüsteemide projekteerimine ja paigaldamine [Võrguteavik] = Design and installation of preinsulated bonded pipe systems for district heating

2015 http://www.ester.ee/record=b4460135*est

Eesti kaugkütte soojusvõrkude efektiivsust saab 2-3 korda tõsta

Hlebnikov, Aleksandr Inseneria 2010 / 9, lk. 38-40

Eesti teadlased pakkusid välja kaugkütte taaskasutuse : soojuse saab saata «uuele ringile» [Võrguväljaanne]

Lepiksaar, Kertu; Poom, Siim postimees.ee 2022 [Eesti teadlased pakkusid välja kaugkütte taaskasutuse : soojuse saab saata «uuele ringile»](#)

The effect of exhaust air heat pump on district heat energy use and return temperature

Thalfeldt, Martin; Kurnitski, Jarek; Latõšov, Eduard CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 3 2016 / [10] p. : ill http://vbn.aau.dk/files/233716910/paper_343.pdf

The effect of the district heating return temperature reduction on flue gas condenser efficiency

Lepiksaar, Kertu; Volkova, Anna; Rušeljuk, Pavel; Siirde, Andres Environmental and Climate Technologies 2020 / p. 23-38
<https://doi.org/10.2478/ruect-2020-0083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of coupling combined heat and power production with district cooling

Lepiksaar, Kertu; Mašatin, Vladislav; Krupenski, Igor; Volkova, Anna Energies 2023 / art. 4552
<https://doi.org/10.3390/en16124552>

Efficiency of pipes thermal insulation in Estonian district heating networks [Electronic resource]

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu The 5th Annual Conference of Young Scientists on Energy Issues : CYSENI 2008 : conference proceedings 2008 / p. IV-10 - IV-16 [CD-ROM]

Efficient use of heat from CHP distributed by district heating system in district cooling networks

Pieper, Henrik; Kirs, Tanel; **Krupenski, Igor; Ledvanov, Aleksandr; Lepiksaar, Kertu; Volkova, Anna** Energy reports 2021 / p. 47-54 <https://doi.org/10.1016/j.egyr.2021.09.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050

Hirvonen, Janne; Heljo, Juhani; **Jokisalo, Juha**; Kurvinen, Antti; Saari, Arto; Niemelä, Tuomo; Sankelo, Paula; **Kosonen, Risto** Sustainable cities and society 2021 / art. 102896, 22 p. : ill <https://doi.org/10.1016/j.scs.2021.102896> [Journal metrics at Scopus](#) [Article at](#)

Energiakontserni Utilitase uueks juhatuse liikmeks saab kogenud tippjuht Robert Kitt [Võrguväljaanne]

geenius.ee 2021 "[Energiakontserni Utilitase uueks juhatuse liikmeks saab kogenud tippjuht Robert Kitt](#)"

Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Estimation of heat losses in district heating networks

Hlebnikov, Aleksandr; Siirde, Andres Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2004 / p. 91-95 : ill

Estimation of thermal insulation efficiency of Estonian district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Advances in Heat Transfer : proceedings of the Baltic Heat Transfer Conference : September 19-21, 2007. Volume 2 2007 / p. 500-505 : ill

Evaluation factor for district heating network heat loss with respect to network geometry

Mašatin, Vladislav; Latõšov, Eduard; Volkova, Anna Energy procedia 2016 / p. 279-285 : ill
<https://doi.org/10.1016/j.egypro.2016.09.069>

Failure consequence evaluation of uncontrollable district heating network

Mao, Ding; Wang, Peng; **Ju, Yuchen;** Ni, Long Sustainable cities and society 2022 / art. 103593, 16 p. : ill
<https://doi.org/10.1016/j.scs.2021.103593> [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
<https://doi.org/10.3303/CET1870084> [Journal metrics at Scopus](#) [Article at Scopus](#)

GIS-based approach to identifying potential heat sources for heat pumps and chillers providing district heating and cooling

Pieper, Henrik; **Lepiksaar, Kertu; Volkova, Anna** International Journal of Sustainable Energy Planning and Management 2022 / p. 29-44 <https://doi.org/10.54337/ijsepm.7021> [Journal metrics at Scopus](#) [Article at Scopus](#)

GIS-based optimisation for district heating network planning

Tšitšerin, Stanislav; **Volkova, Anna; Latõšov, Eduard** Energy procedia 2018 / p. 635-641 : ill
<https://doi.org/10.1016/j.egypro.2018.08.228> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Heat pump potential in the Baltic States

Volkova, Anna; Pieper, Henrik; Koduvere, Hardi; Lepiksaar, Kertu; Siirde, Andres 2021
<https://pub.norden.org/nordicenergyresearch2021-02/>

Heat pump use in rural district heating networks in Estonia

Lepiksaar, Kertu; Kalme, Kiur; **Siirde, Andres; Volkova, Anna** Environmental and climate technologies 2021 / p. 786-802
<https://doi.org/10.2478/rtuct-2021-0059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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/rtuct-2020-0011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heating sizing power reduction in buildings connected to district heating with dynamically controlled DHW setback and flow limiters

Hajian, Hatf; **Simson, Raimo; Kurnitski, Jarek** Energies 2022 / art. 5278 <https://doi.org/10.3390/en15145278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hinnavalemid ja soojuse hinnakalkulatsiooni tabelid

Keskpaik, Anu; Paalo, Priit; **Kask, Ülo;** Sepp, Allan; **Paist, Aadu** 2004 https://www.ester.ee/record=b2063783*est

Identification of industrial water boiler for model predictive control of district heat plant

Vansovitš, Vitali; **Petlenkov, Eduard; Vassiljeva, Kristina;** Guljajev, Aleksandr BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 315-318 :

Igor Krupenski : Energiakriis ning küttelahendused ehk kui lõpetatakse gaasi kasutamine? [Võrguväljaanne]
Krupenski, Igor ohtuleht.ee 2022 / Lk. 8 [Igor Krupenski : Energiakriis ning küttelahendused ehk kui lõpetatakse gaasi kasutamine?](https://dea.digar.ee/article/ohtuleht/2022/05/10/8.5)
<https://dea.digar.ee/article/ohtuleht/2022/05/10/8.5>

Igor Krupenski: kas energiakandjate hinnaralli jätkub? [Võrguväljaanne]
Krupenski, Igor err.ee 2022 [Igor Krupenski: kas energiakandjate hinnaralli jätkub?](#)

The impact of parallel energy consumption on the district heating networks
Latõšov, Eduard; Siirde, Andres; Volkova, Anna; Thalfeldt, Martin; Kurnitski, Jarek Environmental and Climate Technologies
 2019 / 13 p. : ill <https://doi.org/10.2478/rtuct-2019-0001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvement of district heating network energy efficiency by pipe insulation renovation with PUR foam shells
Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr; Latõšov, Eduard Energy procedia 2017 / p. 265-269 : ill
<http://dx.doi.org/10.1016/j.egypro.2017.04.064>

Jätkusuutlik kaugküte : digitaalne õpik
Volkova, Anna; Latõšov, Eduard; Mašatin, Vladislav; Krupenski, Igor; Siirde, Andres 2022
<https://digikogu.taltech.ee/et/Item/5dd01aa2-609e-40ee-9927-4b708315faa1> https://www.ester.ee/record=b5491563*est

Kaheksa huvitavat võimalust soojusenergia tootmiseks [Võrguväljaanne]
 arileht.delfi.ee 2021 ["Kaheksa huvitavat võimalust soojusenergia tootmiseks"](#)

Kalorifeel ; Kaugküte ; Keskküte ; Kiirgusküte
Kõiv, Teet-Andrus TEA entsüklopeedia. 10. köide, Kallas - klarnet 2013 / lk. 15, 185-186, 263, 295

Kas kaugküttel on tulevikku? : [küsimusele vastavad: ... Arvo Ots, Villu Vares jt.]
Ots, Arvo; Vares, Villu Kodu Soojaks : Tallinna Soojuse kliendileht 2001 / lk. 4-5 : portr

Kaugküte : mugav, tõhus ja soodne : teatmik kohalike omavalitsuste spetsialistidele, kinnisvara arendajatele ja haldajatele, korteriühistute juhtidele
Kask, Ülo 2013 https://www.ester.ee/record=b2986965*est

Kaugkütjad: hakkepuidu hinnad võivad kahekordistuda [Võrguväljaanne]
 postimees.ee 2022 [TTÜ vanemlektor: gaasi hind tõuseb energiaalternatiivide puudumisest](#)

Kaugkütte rakendamise mobiiliäpp NutiSoojus harib kliente
 Mente et Manu 2019 / lk. 28-29 : ill https://www.ttu.ee/public/m/mente-et-manu/MM_05_2019/mobile/index.html
https://www.ester.ee/record=b1242496*est

Kaugkütte soojuskaod
Ingermann, Karl Keskkonnatehnika 2012 / lk. 27-30 : ill

Kaugkütte soojustrasside isoleerimise efektiivsusest
Kruus, Rein; Tiikma, Toomas Tehnika ja Tootmine 1995 / 2, lk. 18-20: ill

Kaugkütte üldised kvaliteedinõuded
 Keskpai, Anu; Paalo, Priit; **Kask, Ülo; Paist, Aadu**; Soodla, Enno 2004 https://www.ester.ee/record=b2048081*est

Kaugküttepiirkondade määramise juhendmaterjal
 Keskpai, Anu; Paalo, Priit; **Kask, Ülo**; Sepp, Allan; **Paist, Aadu** 2004 https://www.ester.ee/record=b1940678*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

Kelle päralt on tulevik ja keda tööturul oodatakse? [Võrguväljaanne]
 arileht.delfi.ee 2021 ["Kelle päralt on tulevik ja keda tööturul oodatakse?"](#)

Kuidas tarbijana soojuse hinda mõjutada? [Võrguväljaanne]
 postimees.ee 2021 ["Kuidas tarbijana soojuse hinda mõjutada?"](#)

Küttekulude jaotamine korruselamus korterite hoone ühtsest küttesüsteemist lahtiühendamise korral : Majandus- ja

Kommunikatsiooniministeeriumi tellimus

Ingermann, Karl; Mardi, Urmas; Soosaar, Sulev 2006 https://www.ester.ee/record=b2245395*est

Large-scale heat pumps for district heating systems in the Baltics : potential and impact

Volkova, Anna; Koduvere, Hardi; Pieper, Henrik Renewable and sustainable energy reviews 2022 / art. 112749

<https://doi.org/10.1016/j.rser.2022.112749> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Long-term policy recommendations for improving the efficiency of heating and cooling

Laktuka, Krista; Pakere, Ieva; Lauka, Dace; Blumberga, Dagnija; Volkova, Anna Environmental and Climate Technologies 2021 / p.

392–404 : ill <https://doi.org/10.2478/rtuct-2021-0029> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-temperature waste heat enabling abandoning coal in Espoo district heating system

Hiltunen, Pauli; Syri, Sanna Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Measured performance of exhaust air heat pumps in Finnish apartment buildings

Pylsy, Petri; Kurnitski, Jarek E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 06001, 7 p

<https://doi.org/10.1051/e3sconf/202124606001> Conference Proceedings at Scopus Article at Scopus Article at WOS

Method for assessing heat loss in a district heating network with a focus on the state of insulation and actual demand for useful energy

Chicherin, Stanislav; Mašatin, Vladislav; Siirde, Andres; Volkova, Anna Energies 2020 / art. 4505, 15 p. : ill

<https://doi.org/10.3390/en13174505> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; Siirde, Andres; Volkova, Anna Energy 2021 / art.

120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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/rtuct-2017-0001>

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> Journal

metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methodology for the improvement of large district heating networks

Volkova, Anna; Mashatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University.

Environmental and climate technologies 2012 / p. 39-45 : ill

Mida tõhusa kaugkütte määrgis 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 määrgis? [Võrguvaljaanne]

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

Miks ikkagi kaugküte?

Kask, Ülo Meie Maa 2000 / 8. jaan., lk. 5

Miks säilitada ja arendada kaugkütet?

Kask, Ülo Põhjarannik 2003 / 13. dets., Soojuse Eri, lk. 2

Miks säilitada ja arendada kaugkütet?

Keskpaik, Anu; Kask, Ülo Eesti Põlevloodusvarad ja -jätmed 2004 / lk. 29-30

Milline koduküte on pikas plaanis kõige mõistlikum?

Jõesaar, Tuuli; Laast, Joanna LP : [Eesti Päevalehe laupäevaleht] 2021 / Lk. 4-5 <https://dea.digar.ee/article/lp/2021/12/10/8>

Model-based control design for a district heating plant

Vansovits, Vitali; Godoy, Boris I.; Teplov, Aleksei; Vassiljeva, Kristina; Petlenkov, Eduard 2017 IEEE 15th International

Conference on Industrial Informatics (INDIN 2017) : Emden, Germany, 24-26 July 2017 2017 / p. 615-620 : ill

<https://doi.org/10.1109/INDIN.2017.8104842>

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

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

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

Nutika kaugkütte rakendus teeb tarbijad teadlikumaks

Mente et Manu 2018 / lk. 36 : fot http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu>

https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html

Obstacles for implementation of 4th generation district heating for large scale networks = Takistused neljanda põlvkonna kaugkütte rakendamisel suurtes kaugkütte võrkudes

Mašatin, Vladislav 2018 <https://digi.lib.ttu.ee/i/?9986>

Operation of district heat network in electricity and balancing markets with the power-to-heat sector coupling

Javanshir, Nima; Syri, Sanna; Tervo, Seela; **Rosin, Argo** Energy 2023 / art. 126423 <https://doi.org/10.1016/j.energy.2022.126423>

Optimal dimensioning of Estonian old non-optimised district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 55-62

Optimal operation of district heat network in electricity and balancing markets

Javanshir, Nima; Syri, Sanna; **Tervo, Seela; Rosin, Argo** SSRN 2022 / 38 | <https://doi.org/10.2139/ssrn.4074474>

Optimization of Narva district heating network and analysis of competitiveness of oil shale CHP building in Narva

Hlebnikov, Aleksandr; Dementjeva, Nadežda; Siirde, Andres Oil shale 2009 / 3S, p. 269-282 : ill

Overview of solar photovoltaic applications for district heating and cooling

Sukumaran, Sreenath; Laht, Janika; Volkova, Anna Environmental and Climate Technologies / p. 964-979

<https://doi.org/10.2478/ruect-2023-0070>

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/ijsepm.3490> [Journal metrics at Scopus](#) [Article at Scopus](#)

Policy incentives for flexible district heating in the Baltic countries

Møller Sneum, Daniel; Sandberg, Eli; **Koduvere, Hardi**; Olsen, Ole Jess; Blumberga, Dagnija Utilities policy 2018 / p. 61-72 : ill

<https://doi.org/10.1016/j.jup.2018.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preface

Paist, Aadu; Siirde, Andres The 12th International Symposium on District Heating and Cooling : September 5th to September 7th, 2010, Tallinn, Estonia : [programme] 2010 / p. 3 https://www.ester.ee/record=b2648114*est

Puidukütusel põhineva kaugkütte süsinikuheide on negatiivne

TööstusEST 2022 / lk. 19 : ill http://www.ester.ee/record=b4481084*est <https://toostusest.ee/ajakirjad/>

Puidukütusel põhineva kaugkütte süsinikuheide on negatiivne [Võrguväljaanne]

Alvela, Ain toostusest.ee 2022 ["Puidukütusel põhineva kaugkütte süsinikuheide on negatiivne"](#)

Puiduta oleks meie kaugküte hoopis teistsugune [Võrguväljaanne]

metsamajandusuudised.ee 2021 ["Puiduta oleks meie kaugküte hoopis teistsugune "](#)

Reduction of heating costs in district heating systems

Kõiv, Teet-Andrus Tallinna Tehnikaülikooli Toimetised 1992 / lk. 52-56: ill

A review of low-temperature sub-networks in existing district heating networks : examples, conditions, replicability

Puschnigg, Stefan; Jauschnik, Gabriela; Moser, Simon; **Volkova, Anna**; Linhart, Matthias Energy Reports 2021 / p. 18-26 : ill

<https://doi.org/10.1016/j.egyr.2021.09.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robert Kitt asub tööle Utilitase juhtkonnas [Võrguväljaanne]

err.ee 2021 ["Robert Kitt asub tööle Utilitase juhtkonnas"](#) ["Ekspankur Robert Kitt liitub Utilitasega"](#)

Robert Kitt: kohalikud taastuvad ressursid on tulevikukindlad

Kitt, Robert Mente et Manu 2022 / lk. 14-19 : fot https://www.ester.ee/record=b1242496*est

Rohepöördest ja harjumuste loomulikust muutumisest

Kurnitski, Jarek Postimees 2021 / Lk. 8 <https://dea.digar.ee/article/postimees/2021/10/30/11.3>

Rohepööre väikeses linnas [Võrguväljaanne]

Paluoja, Silvia *arnu.postimees.ee* 2022 "[Rohepööre väikeses linnas](#) "

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

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

Simulation of demand response on buildings and district heating production

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha**; **Kosonen, Risto**; JanäÃ Â Enc, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa *E3S Web of Conferences : BuildSim Nordic 2022* 2022 / art. 13002 <https://doi.org/10.1051/e3sconf/202236213002>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Small low-temperature district heating network development prospects

Volkova, Anna; **Krupenski, Igor**; Pieper, Henrik; Ledvanov, Aleksandr; **Latõšov, Eduard**; **Siirde, Andres** *Energy* 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Soojusvarustuse kvaliteedi tagamine

Ingermann, Karl *Keskkonnatehnika* 2000 / 2, lk. 10-12 : ill https://artiklid.elnet.ee/record=b1003597*est

Soojusvarustussüsteemid

Ingermann, Karl 2003 http://www.ester.ee/record=b1809493*est

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](#)"

TalTechi värske strateegia teeb rohepöördest Eesti majanduse mootori

postimees.ee 2023 [TalTechi värske strateegia teeb rohepöördest Eesti majanduse mootori](#)

TalTechil valmis rohestrateegia, mis panustab majanduse kasvu keskkonnakahju tõstmata

postimees.ee 2023

Teadlane selgitab: mida töhuga kaugkütte märgis tegelikult tähendab? [Võrguväljaanne]

postimees.ee 2022 "[Teadlane selgitab: mida töhuga kaugkütte märgis tegelikult tähendab?](#)"

Technical improvement potential of large district heating network : application to the case of Tallinn, Estonia

Latõšov, Eduard; **Volkova, Anna**; Hlebnikov, Aleksandr; **Siirde, Andres** *Energy procedia* 2018 / p. 337-344 : ill
<https://doi.org/10.1016/j.egypro.2018.08.197> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Techno-economic analysis of a 5th generation district heating system using thermo-hydraulic model : a multi-objective analysis for a case study in heating dominated climate

Saini, Puneet; Huang, Pei; Fiedler, Frank; **Volkova, Anna**; Zhang, Xingxing *Energy and buildings* 2023 / art. 113347
<https://doi.org/10.1016/j.enbuild.2023.113347>

The analysis of efficiency and optimization of district heating networks in Estonia = Eesti kaugkütte soojusvõrkude efektiivsuse analüüs ja optimeerimine

Hlebnikov, Aleksandr 2010 https://www.ester.ee/record=b2595249*est

The Estonian district heating networks major characteristic parameters difference from the optimal values and efficiency increasing potential

Hlebnikov, Aleksandr; **Siirde, Andres**; **Paist, Aadu** 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 112-118 : ill

The impact of alternative heat supply options on CO2 emission and district heating system

Mašatin, Vladislav; **Link, Siim**; **Siirde, Andres** *Chemical engineering transactions* 2014 / p. 1105-1110 : ill

The impact of building renovation with heat pumps to competitiveness of district heating : Estonian district heating pricing system needs more flexibility

Reino, Arbo; **Härm, Mihkel**; **Hamburg, Arvi** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [6] p. : ill
<http://dx.doi.org/10.1109/RTUCON.2017.8124791>

The major characteristic parameters and present efficiency of the Estonian district heating networks

Hlebnikov, Aleksandr; **Siirde, Andres**; **Paist, Aadu** 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 155-160 : ill

The major characteristic parameters of the Estonian district heating networks and their difference from the optimal values
Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2006 / p. 156-165

The major characteristic parameters of the Estonian district heating networks and their efficiency increasing potential
Hlebnikov, Aleksandr; Siirde, Andres Energetika 2008 / 4, p. 67-74

The major characteristic parameters of the Estonian district heating networks, their problems and development
Hlebnikov, Aleksandr; Siirde, Andres The 11th International Symposium on District Heating and Cooling 2008 / p. 141-148

The new dimensioning method of the district heating network
Kõiv, Teet-Andrus; Mikola, Alo; Palmiste, Ülar Applied thermal engineering 2014 / p. 78-82 : ill

The potential of thermal energy storage technologies in district heating system in Estonia
Volkova, Anna; Latõšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Energy procedia 2017 / 8 p. : ill

The preliminary research of sea water district heating and cooling for Tallinn coastal area
Hani, Allan; Kõiv, Teet-Andrus Smart grid and renewable energy 2012 / p. 246-252 : ill
https://www.scirp.org/pdf/sgre20120300011_19171139.pdf

The renovation plan development example for old district heating network in Narva city [Electronic resource]
Hlebnikov, Aleksandr; Siirde, Andres The 6th Annual Conference of Young Scientists on Energy Issues : CYSENI 2009 : Kaunas, 28-29 May 2009 : conference proceedings 2009 / ? p. [CD-ROM]

Towards an Intelligent Control System for district heating plants : design and implementation of a fuzzy logic based control loop
Vansovitš, Vitali; Tepļakov, Aleksei; Vassiljeva, Kristina; Petlenkov, Eduard 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 405-410 : ill <https://doi.org/10.1109/INDIN.2016.7819193>

The 12th International Symposium on District Heating and Cooling : September 5th to September 7th, 2010, Tallinn, Estonia : [programme]
2010 https://www.ester.ee/record=b5577439*est

Tõhusa kaugkütte märgis aitab tarbijatel valikuid teha
Mente et Manu 2022 / lk. 43 : fot https://www.ester.ee/record=b1242496*est

Uskuge või mitte – tõhus kaugküte [Võrguväljaanne]
arileht.delfi.ee 2021 ["Uskuge või mitte – tõhus kaugküte "](#)

Utilitas suurendas roheline elektri toodangut aastaga viiendiku võrra
arileht.delfi.ee 2023 [Utilitas suurendas roheline elektri toodangut aastaga viiendiku võrra](#)

Uuring: Balti riikide looduslikud ja tööstuslikud soojusallikad on alakasutatud
Mente et Manu 2021 / lk. 13 https://www.ester.ee/record=b1242496*est

Valmis uurimistöö Eesti kaugküttesektori CO2 jalajäljest [Võrguväljaanne]
keskkonnatehnika.ee 2021 ["Valmis uurimistöö Eesti kaugküttesektori CO2 jalajäljest"](#)

Valorisation of waste heat in existing and future district heating systems
Pakere, Ieva; Blumberga, Dagnija; Volkova, Anna; Lepiksaar, Kertu; Zirne, Agate Energies 2023 / art. 6796
<https://doi.org/10.3390/en16196796>

15 aastat Eesti Jõujaamade ja Kaugkütte Ühingu 1995-2010 = 15 years of the Estonian Power and Heat Association 1995-2010
2010 https://www.ester.ee/record=b5671155*est

Ühe prügi on teise varandus! Mis on energiakaskaadid ja kuidas liikuda nende abil tõhusama energiasüsteemi poole? [Võrguväljaanne]
digi.geenius.ee 2022 [Ühe prügi on teise varandus! Mis on energiakaskaadid ja kuidas liikuda nende abil tõhusama energiasüsteemi poole?](#)

Дорожает и будет дорожать? Можно ли смягчить удар от растущих цен на коммунальные услуги [Online resource]
Petrova, Irina dekor.delfi.ee 2022 [Дорожает и будет дорожать? Можно ли смягчить удар от растущих цен на коммунальные услуги](#)

Женщина в науке: профессор TalTech – о теплоэнергетике, детях и стереотипах

Volkova, Anna rus.err.ee 2023 [Женщина в науке: профессор TalTech – о теплоэнергетике, детях и стереотипах](#)

Когда цены на электричество в Эстонии пойдут вниз [Online resource]

Mišina, A. baltnews.ee 2022 ["Когда цены на электричество в Эстонии пойдут вниз"](#)

Разработка и исследование системы скоординированного отпуска тепла на отопление и горячее водоснабжение жилых зданий в условиях непосредственного водоразбора : автореферат ... кандидата технических наук (05.23.03)

Kõiv, Teet-Andrus 1977 https://www.ester.ee/record=b1520279*est

Таллиннцы получают в январе огромные счета за отопление: цены вырастут на 56% [Online resource]

Bestšastnõi, Vitali-Dmitri rus.delfi.ee 2021 ["Таллиннцы получают в январе огромные счета за отопление: цены вырастут на 56%"](#)

Эдуард Латышов: мог бы быть потолок по стоимости CO2 [Online resource]

rus.err.ee 2022 ["Эдуард Латышов: мог бы быть потолок по стоимости CO2"](#)