

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

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

Converting Tallinn's historic centre's (Old Town) heating system to a district heating system

Volkova, Anna; Krupenski, Igor; Kovtunova, Natalja; Hlebnikov, Aleksandr; Mašatin, Vladislav; Ledvanov, Aleksandr Energy 2023 / art. 127429 <https://doi.org/10.1016/j.energy.2023.127429> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion and life assessment of Intrex™ superheater tubes in a CFB oil shale boiler

Dedov, Andrei; Klevtsov, Ivan; Lausmaa, Toomas; Hlebnikov, Aleksandr; Bojarinova, Tatjana Applied thermal engineering 2016 / p. 468-478 : ill <https://doi.org/10.1016/j.applthermaleng.2015.12.061> [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://sciencedirect.com/article/10.2478/v10145-010-0034-3>

Decarbonisation options of district heating peak loads

Volkova, Anna; Moser, Simon; Jauschnik, Gabriela; Hlebnikov, Aleksandr; Ali, Hesham Abed Al-Same Jamil; Cecchin, Chiara 10th International Conference on Smart Energy Systems : Book of Abstracts 2024 / p. 203-204 <https://vbn.aau.dk/da/publications/book-of-abstracts-10th-international-conference-on-smart-energy-s-2>

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 2010 / [5] p.: ill. [CD-ROM] <https://www.icrepq.com/icrepq'10/447-Volkova.pdf>

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>

Die Möglichkeiten der Rekonstruktion der Heizsysteme und Varianten der Minimierung von Energieverlusten - Erfahrungen in Estland : Zusammenfassung der Fachvorträge

Hlebnikov, Aleksandr XX Tagung der Arbeitsgruppe von mittel-, ost- und suedosteuropaeischen Staaten (MOE/NUS) "Instandsetzung und Modernisierung des Gebaeudebestandes" : Minsk, 23-27 June 2003 2003 / [12] p

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/ijsep.7011> [Journal metrics at Scopus](#) [Article at Scopus](#)

Eesti kaugkütte soojusvõrkude efektiivsust saab 2-3 korda tõsta

Hlebnikov, Aleksandr Inseneria 2010 / 9, lk. 38-40 https://artiklid.elnet.ee/record=b2167799*est

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]

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](#)

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

An evaluation and innovative coupling of seawater heat pumps in district heating networks

Ali, Hesham; Hlebnikov, Aleksandr; Pakere, Ieva; Volkova, Anna Energy 2024 / art. 133461

<https://doi.org/10.1016/j.energy.2024.133461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of a Technical Solution for Seawater District Heating and Cooling Systems

Hlebnikov, Aleksandr; Ali, Hesham Abed Al-Same Jamil; Volkova, Anna 9th International Conference on Smart Energy Systems : Book of Abstracts 2023 / p. 365-366 <https://vbn.aau.dk/en/publications/book-of-abstracts-9th-international-conference-on-smart-energy-sy>

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

<https://doi.org/10.1016/j.egypro.2017.04.064> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influence of sulfur dioxide on decomposition of oil shale mineral matter

Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr; Arro, Hendrik Oil shale 2001 / 4, p. 298-306 : ill

https://artiklid.elnet.ee/record=b1008449*est

Methodology for defining of eligible capacity for wood fuel based cogeneration plants in small towns in Estonia

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Journal of energy and power engineering 2011 / p. 481-489 : ill

<https://ortus.rtu.lv/science/en/publications/11170>

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 <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks

Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 39-45 <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks

Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of ECOS 2012 : the 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems : June 26-29, 2012, Perugia, Italy 2012 / p. 46-1 - 46-13 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

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

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

https://artiklid.elnet.ee/record=b1489943*est

Reduction of heat loss in the district heating network by the replacement of pipe insulation using prefabricated polyurethane foam shells

Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr DHC13 : the 13th International Symposium on District Heating and Cooling : September 3rd to September 4th, 2012, Copenhagen, Denmark 2013 / p. 163-166

Simulation of the accumulator tank coupled with the power unit of power plant under the conditions of open electricity market

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Chemical engineering transactions 2012 / p. 757-762 : ill

https://www.researchgate.net/publication/278111928_Simulation_of_the_Accumulator_Tank_Coupled_with_the_Power_Unit_of_Power_Plant_under_the_Conditions_of_Open_Electricity_Market

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](#)

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 influence of pressure on behaviour of fuel carbonates

Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr Impact of Mineral Impurities in Solid Fuel Combustion 1999 / p. 685-696

The influence of pressure on the behaviour of oil shale carbonates

Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr Oil shale 1997 / 3, p. 284-298: ill

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 present water velocities and friction losses in Estonian old district heating networks and their difference from the optimum [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-18 - IV-25 [CD-ROM]

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]

Waste Heat-Based District Heating Network for Industrial Buildings With Low Energy Intensity

Ali, Hesham Abed Al-Same Jamil; Pakere, Ieva; Hlebnikov, Aleksandr; Djørup, Søren; Dedov, Andrei; Volkova, Anna 9th International Conference on Smart Energy Systems : Book of Abstracts 2023 / p. 286 <https://vbn.aau.dk/en/publications/book-of-abstracts-9th-international-conference-on-smart-energy-sy>