

Data acquisition workflow utilizing lod3 geometry templates and point clouds for urban building energy modelling
Iliste, Elisa; Pikas, Ergo; Kalamees, Targo; Viik, Joosep Proceedings of the 2024 European Conference on Computing in Construction 2024 / p. 689-696 <https://doi.org/10.35490/EC3.2024.221> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Adaptive ventilation for climate control in a medieval church in cold climate
Napp, Margus; Wessberg, Magnus; Kalamees, Targo; Broström, Tor International journal of ventilation 2016 / p. 1-14 : ill <https://doi.org/10.1080/14733315.2016.1173289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air leakage and hygrothermal performance of an internally insulated log house
Alev, Üllar; Uus, Andres; Teder, Marko; Miljan, Martti-Jaan; Kalamees, Targo NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 55-62 : ill

Air leakage levels in timber frame building envelope joints
Kalamees, Targo; Alev, Üllar; Pärnalaas, Mihkel Building and environment 2017 / p. 121-129 : ill <https://doi.org/10.1016/j.buildenv.2017.02.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air leakage of concrete floor and foundation junctions
Alev, Üllar; Antsov, Peeter; Kalamees, Targo Energy procedia 2015 / p. 2046-2051 : ill <https://doi.org/10.1016/j.egypro.2015.11.217> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Air leakage of joints filled with polyurethane foam
Hallik, Jaanus; Gustavson, Heleen; Kalamees, Targo Buildings 2019 / art. 172, 15 p. : ill <https://doi.org/10.3390/buildings9070172> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air pressure conditions in Finnish residences : [abstract] [Electronic resource]
Kalamees, Targo; Kurnitski, Jarek; Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 278 [CD-ROM]

Air pressure conditions in Finnish residences [Electronic resource]
Kalamees, Targo; Kurnitski, Jarek; Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM]

Air tightness and air leakages of new lightweight single-family detached houses in Estonia
Kalamees, Targo Building and environment 2007 / 6, p. 2369-2377 : ill

Air tightness and thermal bridges of Estonian lightweight timber-frame detached houses
Kalamees, Targo; Vaikmäe, Roland; Otsmaa, H.; Sasi, Lennart; Öiger, Karl Materials of Forum ANNEX-41 : Zürich, 2004 2004 / [6] p

Air tightness of apartment buildings in Estonia
Kalamees, Targo; Arumägi, Endrik; Tähiste, M. Proceedings of the 4th International Symposium on Building and Ductwork Air tightness (BUILDAIR) / 30th AIVC conference Trends in High Performance Buildings and the Role of Ventilation : Berlin, Germany, October 1-2, 2009 2009 / ? p

Airflow performance of ventilated sub flooring system
Kalamees, Targo; Kurnitski, Jarek; Helenius, Tapio Building and environment 2007 / 10, p. 3708-3716 : ill

Airtightness and thermal bridges of 32 lightweigt detached houses
Kalamees, Targo; Sasi, Lennart; Öiger, Karl IEA-Annex 41 MOIST-ENG working meeting : Trondheim, Norway, 26-28 October 2005 2005 / [10] p

Airtightness and ventilation of new Estonian apartments constructed 2001-2010
Paap, Leena; Mikola, Alo; Kõiv, Teet-Andrus; Kalamees, Targo Joint Conference 33rd AIVC Conference and 2nd TightVent Conference : Optimising Ventilative Cooling and Airtightness for [Nearly] Zero-Energy Buildings, IAQ and Comfort : Copenhagen, Denmark, 11-11 October 2012 : proceedings 2012 / p. 177-180 : ill <https://www.aivc.org/resource/airtightness-and-ventilation-new-estonian-apartments-constructed-2001-2010>

Airtightness improvement solutions for log wall joints
Alev, Üllar; Uus, Andres; Kalamees, Targo Energy procedia 2017 / p. 861-866 : ill <https://doi.org/10.1016/j.egypro.2017.09.678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Airtightness of cross-laminated timber envelopes : influence of moisture content, indoor humidity, orientation, and assembly
Kukk, Villu; Bella, Adeniyi; Kers, Jaan; Kalamees, Targo Journal of building engineering 2021 / art. 102610 <https://doi.org/10.1016/j.jobe.2021.102610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Airtightness of Estonian dwellings – median and base-values for heat loss estimation

Hallik, Jaanus; Kalamees, Targo; Pikas, Ergo Journal of Physics: Conference Series 2023 / 9 p <https://doi.org/10.1088/1742-6596/2654/1/012063> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Airtightness, air exchange and energy performance in historic residential buildings with different structures

Eskola, Lari; Alev, Üllar; Arumägi, Endrik; Jokisalo, Juha; Donarelli, Anna; Sirén, Kai; Kalamees, Targo International journal of ventilation 2015 / p. 11-26 : ill <https://doi.org/10.1080/14733315.2015.11684066> [Journal metrics at Scopus](#) [Article at Scopus](#)

Ajaloolised katusekatted

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2020 / lk. 87-93 : fot https://www.ester.ee/record=b4516546*est

Ajaloolised katusekonstruktsioonid

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2020 / lk. 86-90 : fot https://www.ester.ee/record=b4516546*est

Akna ja sein liitekohade soojuskao ja niiskusturvalisuse arvutuslik uuring : aruanne

Hallik, Jaanus; Kalamees, Targo 2020 <https://vbh.ee/wp-content/uploads/2020/10/Akna-seinakinnituse-kulmasildade-uuring.pdf>

Alternatiivseid soojustusmaterjale puitkarkasshoonetele

Kalamees, Targo Ehitaja 2002 / 7/8, lk. 11-14 https://artiklid.elnet.ee/record=b1010121*est

Analysis of causes of the end of service life of a spray polyurethane foam and polyurea roof

Kalamees, Targo; Ilomets, Simo; Põldaru, Mattias; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Öiger, Karl E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 15002, 6 p. : ill <https://doi.org/10.1051/e3sconf/202017215002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of energy economic renovation for historic wooden apartment buildings in cold climates

Arumägi, Endrik; Kalamees, Targo Applied energy 2014 / p. 540-548 : ill <https://doi.org/10.1016/j.apenergy.2013.10.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of energy use in detached houses to determine energy performance requirements in Estonia

Ilomets, Simo; Kalamees, Targo; Kõiv, Teet-Andrus Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9-12.05.2010 2010 / [8] p

The analysis of indoor hygrothermal loads based on measurements in multi-storey wooden apartment buildings

Kalamees, Targo; Arumägi, Endrik; Thalfeldt, Martin; Ilomets, Simo; Klõšeiko, Paul; Alev, Üllar Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 225-232 : ill

Analysis of various ventilation solutions for residential and non-residential buildings in Latvia and Estonia

Zemitis, Jurgis; Borodinecs, Anatolijs; Kalamees, Targo 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. 51-61 https://doi.org/10.1007/978-3-030-00662-4_5

Assessing the accuracy of EN ISO 13370 simplified method for edge insulation: A comparative analysis with steady-state and dynamic simulation models

Lomp, Siim; Kalamees, Targo; Hallik, Jaanus Multiphysics and Multiscale Building Physics : Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 1: Moisture and Materials 2025 / p. 533-539 https://doi.org/10.1007/978-981-97-8305-2_75

Assessment of durability of environmentally friendly wood-based panels

Kallavus, Urve; Järv, Hele; Kalamees, Targo; Kurik, Lembit Energy procedia 2017 / p. 207–212 : ill <https://doi.org/10.1016/j.egypro.2017.09.756> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Assessment of moisture and mould of hempcrete and straw panels

Raamets, Jane; Lokko, Laura; Ruus, Aime; Kalamees, Targo; Muoni, Karin Journal of physics : conference series 2021 / art. 012194, p. 1-3 <https://doi.org/10.1088/1742-6596/2069/1/012194> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Assessment of the potential of reconstruction of historic buildings

Liiva, Elina; Rummo, Helena; Ambrozevits, Kateriin; Ojari, Andres; Kalamees, Targo; Lomp, Siim 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 208-209 <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Assessment of the renovation need, material authenticity, and the cultural and environmental value of historic apartment building neighbourhoods

Liiva, Elina; Rummo, Helena; Ambrozevits, Kateriin; Ojari, Andres; Lomp, Siim; Kalamees, Targo Journal of sustainable architecture and civil engineering 2024 / p. 53-67 <https://doi.org/10.5755/j01.sace.35.2.35747> [Journal metrics at Scopus](#) [Article at Scopus](#)

Assessment on strength and stiffness properties of aged structural timber

Kauniste, Maarja; Just, Alar; Tuhkanen, Eero; Kalamees, Targo Journal of sustainable architecture and civil engineering 2024 / p. 62-74 <https://doi.org/10.5755/j01.sace.34.1.35534> [Journal metrics at Scopus](#) [Article at Scopus](#)

Asuinrakennusten ilmanpitävyys, sisäilmasto ja energiatalous

Vinha, Juha; Korpi, Minna; Kalamees, Targo; Kurnitski, Jarek 2009

Asuntojen ilmanvaihto ja ilmanpitävyytutkimus - asukkaiden viihtyisyys pien- ja kerrostaloissa

Palonen, J.; Kalamees, Targo; Kurnitski, Jarek Sisäilmastoseminaari 2009 2009 / p. 137-142
<https://researchportal.tuni.fi/en/publications/asuntojen-ilmanvaihto-ja-ilmanpit%C3%A4vyystutkimus-asukkaiden-viihtyi>

Avoiding mould growth in an interiorly insulated log wall

Alev, Üllar; Kalamees, Targo Building and environment 2016 / p. 104-115 : ill <https://doi.org/10.1016/j.buildenv.2016.05.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Basic solutions for the renovation of lightweight brick walls of Estonian detached houses

Suvalov, Mihhail; Lomp, Siim; Kalamees, Targo 2nd International Conference on Moisture in Buildings (ICMB23), online, 3-4 July 2023 2023 / 2 p <https://doi.org/10.14293/ICMB230051>

Building and ductwork airtightness in Estonia : national trends and requirements

Kalamees, Targo; Hallik, Jaanus; Mikola, Alo Ventilation challenges in a changing world : the 42nd AIVC, 10th Tightvent and 8th venticool Conference : proceedings 2022 / p. 640-641 https://www.aivc.org/sites/default/files/download/AIVC2022_Proceedings.pdf

Building carbon footprint comparison between building permit and as-built with circular material usage

Kertsmik, Kadri-Ann; Talvik, Martin; Lylykangas, Kimmo Sakari; Ilomets, Simo; Kalamees, Targo ICEARC'23 : The 3rd International Civil Engineering & Architecture Conference, Trabzon, Türkiye, 12-14 October 2023 : Proceedings ; Vol. 2: Architecture 2023 / p. 392-399 https://icearc2023.glpmanager.com/documents/ICEARC'23_Proceedings_Architecture.pdf

Building leakage, infiltration and energy performance analyses for Finnish detached houses

Jokisalo, Juha; Kurnitski, Jarek; Korpi, Minna; Kalamees, Targo; Vinha, Juha Building and environment 2009 / 2, p. 377-387 : ill

Calculation and compliance procedures of thermal bridges in energy calculations in various European countries

Kuusk, Kalle; Kurnitski, Jarek; Kalamees, Targo Energy procedia 2017 / p. 27-32 : ill <https://doi.org/10.1016/j.egypro.2017.09.626>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Capillary condensation redistribution (CCR) test: measurement results of 5 materials and comparison to modelling

Klõšeiko, Paul; Valk, Thorny; Põldaru, Mattias; Kalamees, Targo Journal of Physics: Conference Series 2023 / 8 p
<https://doi.org/10.1088/1742-6596/2654/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Case study : in-situ testing and model calibration of interior insulation solution for an office building in cold climate

Klõšeiko, Paul; Kalamees, Targo CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 61-62 : ill

Case study : in-situ testing and model calibration of interior insulation solution for an office building in cold climate [Online resource]

Klõšeiko, Paul; Kalamees, Targo CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 159-166 : ill

A case study on construction of CLT building without preliminary roof

Liisma, Eneli; Kalamees, Targo; Kuus, Babette Liseth; Kuk, Villu Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 44-45 : ill https://www.ester.ee/record=b5197207*est <https://www.digar.ee/viewer/et/nlib-digar:409888/350001/page/45>

A case study on the construction of a CLT building without a preliminary roof

Liisma, Eneli; Kuus, Babette Liseth; Kuk, Villu; Kalamees, Targo Journal of sustainable architecture and civil engineering 2019 / p. 53-62 : ill <https://doi.org/10.5755/j01.sace.25.2.22263>

Case-study analysis of concrete large-panel apartment building at pre- and post low-budget energy-renovation

Kuusk, Kalle; Kalamees, Targo; Link, Siim; Ilomets, Simo; Mikola, Alo Journal of civil engineering and management 2017 / p. 67-75 : ill <https://doi.org/10.3846/13923730.2014.975741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Case-study analysis on hygrothermal performance of ETICS on concrete wall after low-budget energy-renovation

Ilomets, Simo; Kalamees, Targo Proceedings of XII International Conference on Performance of Exterior Envelopes of Whole Buildings 2013 / [15] p. : ill

Circular renovation of an apartment building with prefabricated additional insulation elements to nearly zero energy building

Nigumann, Eero; **Kalamees, Targo; Kuusk, Kalle; Pihelo, Peep** Journal of sustainable architecture and civil engineering 2024 / p. 22-34 <https://doi.org/10.5755/j01.sace.34.1.35674> [Journal metrics at Scopus](#) [Article at Scopus](#)

Circular renovation of an apartment building with prefabricated insulation elements

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

Circularity concepts for offsite prefabricated energy renovation of apartment buildings

Kuusk, Kalle; Kullerkupp, Kristel; Pihelo, Peep; Ritzen, Michiel; Tisov, Ana; Kalamees, Targo Journal of physics : conference series 2021 / art. 012074 <https://doi.org/10.1088/1742-6596/2069/1/012074> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Climate change and energy demand for heating and cooling of buildings in Finland

Jylhä, Kirsti; Tietäväinen, Hanna; Ruosteenoja, Kimmo; **Kalamees, Targo; Jokisalo, Juha; Ilomets, Simo**; Hyvönen, Reijo; Saku, Seppo European Geosciences Union General Assembly, Vienna, Austria, 03–08 April, 2011 2011

Climate zones

Kalamees, Targo; Morck, Ove Christen A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of Buildings with Prefabricated Elements for (N)Zeb Performance 2018 / p. 71-75 : ill [Guide into renovation...](#)

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>

Common exercise 1B "Realistic" case

Kalamees, Targo IEA-Annex 41 MOIST-ENG working meeting : Montreal, Canada, 16-18 May 2005 2005 / [4] p

Common exercise 3

Kalamees, Targo IEA-Annex 41 MOIST-ENG working meeting : Trondheim, Norway, 26-28 October 2005 2005 / ? p

Comparative assessment of simple and detailed energy performance models for urban energy modelling based on digital twin and statistical typology database for the renovation of existing building stock

Hallik, Jaanus; Arumägi, Endrik; Pikas, Ergo; Kalamees, Targo Energy and buildings 2024 / art. 114775 <https://doi.org/10.1016/j.enbuild.2024.114775> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparing domain expert and machine learning data enrichment of building registry

Torim, Ants; Iliste, Elisa; Pikas, Ergo; Liiv, Innar; Robal, Tarmo; Kalamees, Targo Buildings 2025 / art. 1798 <https://doi.org/10.3390/buildings15111798>

A comparison of measured and simulated air pressure conditions of a detached house in a cold climate

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek**; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Journal of building physics 2008 / p. 67-89 : ill <https://doi.org/10.1177/1744259108091901>

A comparison of measured and simulated air pressure conditions of a detached house in a cold climate [Electronic resource]

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek**; Eskola, Lari; Jokiranta, Kai Building Enclosure Science & Technology : BEST 1 Conference : Minneapolis, USA, 10-12.06.2008 2008 / ? p. [CD-ROM]

Comparison of mineral wool, cellulose and reed mat for interior thermal insulation of log walls

Alev, Üllar; Uus, Andres; **Kalamees, Targo** Journal of civil engineering and architecture research 2015 / p. 938-946 : ill

Comparison of thermal performance of mineral wool and reflective insulation on internally insulated log wall

Alev, Üllar; Kalamees, Targo; Arumägi, Endrik; Ilomets, Simo Proceedings of Healthy Buildings 2012 : Brisbane, Australia 8-12 July 2012 2012 / [6] p. : ill

Compliance with summer thermal comfort requirements in apartment buildings

Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk; Kalamees, Targo Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 64-69 : ill

Construction period moisture load on CLT - example of 5 CLT buildings

Kalbe, Kristo; Kukk, Villu; Kalamees, Targo Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 42–43 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Construction process and measuring initial dryout of PCM mortar in energy activated ETICS façade

Talvik, Martin; Ilomets, Simo; Klõšeiko, Paul; Kalamees, Targo; Heim, Dariusz Thermal performance of the exterior envelopes of whole buildings : Buildings XV Conference 2022 / p. 757-764 <https://www.scopus.com/record/display.uri?eid=2-s2.0-85163701291&origin=inward&txGid=c83aa5cf70cab7322515343c3d634b25>

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 effectiveness of energy performance improvements in Estonian brick apartment buildings

Kuusk, Kalle; Kalamees, Targo; Maivel, Mikk Energy and buildings 2014 / p. 313-322 : ill <https://doi.org/10.1016/j.enbuild.2014.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

Cost 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-effective energy and indoor climate renovation of Estonian residential buildings

Kalamees, Targo; Kuusk, Kalle; Arumägi, Endrik; Alev, Üllar Cost-effective energy-efficient building retrofitting : materials, technologies, optimization and case studies 2017 / p. 405-454 : ill http://www.ester.ee/record=b4674305*est <https://doi.org/10.1016/B978-0-08-101128-7.00015-0>

Critical values for the temperature factor to assess thermal bridges

Kalamees, Targo Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-1, p. 218-229 : ill

Decarbonisation of Estonia's residential building stock

Lylykangas, Kimmo; Kertsmik, Kadri-Ann; Cerrone, Damiano; Walke, Peter; Kuusk, Kalle; Kalamees, Targo Energy and buildings 2025 / art. 116193 <https://doi.org/10.1016/j.enbuild.2025.116193>

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>

Dependence of measured specific air leakage rate (qE50) on envelope pressure differences and measurement position: A case study in an apartment building in winter conditions

Klõšeiko, Paul; Arumägi, Endrik; Hallik, Jaanus; Kalamees, Targo Journal of Physics: Conference Series 2021 / art. 012229, 3 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012229> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Design guidelines of CLT external wall based on stochastic analysis

Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 40-41 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Design of indoor climate and energy efficiency of the medieval Episcopal Castle of Haapsalu museum

Tark, Teet; Kalamees, Targo; Rodin, Artem; Arumägi, Endrik; Napp, Margus Conference Report : The 3rd International

Conference on Energy Efficiency in Historic Buildings 2018 / p. 318-236 : ill <http://eehb2018.com/wp-content/uploads/2018/09/Conference-Report-The-3rd-International-Conference-on-Energy-Efficiency-in-Historic-Buildings.pdf>

Design of the first net-zero energy buildings in Estonia

Arumägi, Endrik; Kalamees, Targo Science and technology for the built environment 2016 / p. 1039-1049 : ill
<https://doi.org/10.1080/23744731.2016.1206793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Designing highly insulated cross-laminated timber external walls in terms of hygrothermal performance : field measurements and simulations

Kukk, Villu; Kaljula, Laura; Kers, Jaan; Kalamees, Targo Building and Environment 2022 / art. 108805
<https://doi.org/10.1016/j.buildenv.2022.108805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deterioration of building envelope of wooden apartment buildings built before 1940 based on external survey

Klõšeiko, Paul; Agasild, Tõnis; Kalamees, Targo Proceedings of the 9th Nordic Symposium on Building Physics (NSB 2011), 29 May-2 June 2011, Tampere, Finland 2011 / p. 917-924 : ill
https://www.researchgate.net/publication/290428833_Deterioration_of_building_envelope_of_wooden_apartment_buildings_built_before_1940_based_on_external_survey

Determination of energy performance requirements for apartment buildings in Estonia

Hani, Allan; Kalamees, Targo; Kõiv, Teet-Andrus 9th International Conference & Exhibition Healthy Buildings 2009 : September 13-17, 2009, Syracuse, NY, USA 2009 / paper 409, [4] p. : ill

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 airtightness of Estonian wooden buildings

Hallik, Jaanus; Kalamees, Targo Journal of sustainable architecture and civil engineering 2019 / p. 36-43 : ill
<https://doi.org/10.5755/j01.sace.24.1.23231>

Development of airtightness of Estonian wooden buildings : [conference paper]

Hallik, Jaanus; Kalamees, Targo Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 46-47 : ill https://www.ester.ee/record=b5197207*est

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

Pihelo, Peep; Kalamees, Targo Journal of sustainable architecture and civil engineering 2024 / p. 8-22
<https://doi.org/10.5755/j01.sace.35.2.35422> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

Development of prefabricated insulation elements for buildings with aerated autoclaved concrete walls

Pihelo, Peep; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017218001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of weighting factors for climate variables for selecting the energy reference year according to the EN ISO 15927-4 standard

Kalamees, Targo; Jylhä, Kirsti; Tietäväinen, Hanna; Jokisalo, Juha; Ilomets, Simo; Hyvönen, Reijo; Saku, Seppo Energy and buildings 2012 / p. 53-60 <https://www.sciencedirect.com/science/article/abs/pii/S03787778811005779>

Diagnosis of moisture movements in massive dolostone walls of medieval churches

Kurik, Lembit; Kalamees, Targo; Kallavus, Urve Recent developments in building diagnosis techniques 2016 / p. 69-90 : ill
http://dx.doi.org/10.1007/978-981-10-0466-7_5

The distribution of the air leakage places and thermal bridges in Finnish detached houses and apartment buildings

Kalamees, Targo; Korpi, Minna; Eskola, Lari; Kurnitski, Jarek; Vinha, Juha Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 3 2008 / p. 1095-1102
https://www.academia.edu/90749708/The_distribution_of_the_air_leakage_places_and_thermal_bridges_in_Finnish_detached_houses_and_apartment_buildings

The distribution of the air leakage places and thermal bridges of different types of detached houses and apartment buildings

Kalamees, Targo; Kurnitski, Jarek; Korpi, Minna; Vinha, Juha 2. Europäisches BlowerDoor-Symposium Dichte Gebäudehülle

Thermografie und Wohnungslüftung = 2nd European BlowerDoor-Symposium Tight Building Envelope, Thermography and Dwelling Ventilation : Kassel, Germany, March 16 and 17 2007 / p. 71-81
https://trepo.tuni.fi/bitstream/handle/10024/128669/Kalamees_The_distribution_of_the_air_leakage_places_and_thermal_bridges_in_Finnish_detached_houses_and_apartment_buildings.pdf?sequence=1

Driving decarbonisation of the EU building stock by enhancing a consumer centred and locally based circular renovation process

Tisov, Ana; **Kuusk, Kalle**; Navarro Escudero, Miriam; **Pihelo, Peep**; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020
<https://doi.org/10.1051/e3sconf/202017218006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Durability of concrete and brick facades of apartment buildings built between 1960-90 in Estonia

Ilomets, Simo; **Kalamees, Targo**; Agasild, Tõnis; **Õiger, Karl**; Raado, Lembi-Merike XII International Conference on Durability of Building Materials and Components (XII DBMC), Porto, Portugal, April 12th-15th, 2011 / p. 1171-1178 : ill
<https://www.irbnet.de/daten/iconda/CIB22471.pdf>

Dynamics of apartment building renovation investment costs based on Estonian reovation grant scheme

Miller, Grete; **Lihtmaa, Lauri**; **Kalamees, Targo** Acta Polytechnica CTU proceedings 2022 / p. 579-584
<https://doi.org/10.14311/APP.2022.38.0579> [Journal metrics at Scopus](#) [Article at Scopus](#)

Early stage CAD-compliant energy performance assessment method

Kurnitski, Jarek; **Kalamees, Targo**; **Tark, Teet** Journal of energy and power engineering 2013 / p. 1662-1668 : ill

Early stage CAD-compliant energy performance assessment method

Kurnitski, Jarek; **Kalamees, Targo**; **Tark, Teet** Seventh International Cold Climate HVAC Conference : November 12-14, 2012, Calgary, Canada 2012 / p. 191-198 : ill https://www.researchgate.net/publication/289191364_Early_stage_CAD-compliant_energy_performance_assessment_method

The economic challenges of deep energy renovation - differences, similarities, and possible solutions in Northern Europe : Estonia and Denmark

Rose, Jorgen; **Kuusk, Kalle**; Thomsen, Kirsten Englund; **Kalamees, Targo**; Morck, Ove Christen ASHRAE transactions. Vol. 122, pt. 1 2016 / p. 58-68 : ill <https://www.proquest.com/openview/3b32b899a3b498dc8694f261aaaa9cf0/1?pq-origsite=gscholar&cbl=34619>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Economic viability of energy-efficiency measures in educational buildings in Finland

Alanne, Kari; Schade, Jutta; Martinac, Ivo; Saari, Arto; Jokisalo, Juha; **Kalamees, Targo** Advances in building energy research 2013 / p. 120-127 <https://doi.org/10.1080/17512549.2013.809272> [Journal metrics at Scopus](#) [Article at Scopus](#)

Eesti eluasemefondi ehitustehniline seisukord - ajavahemikul 1990-2010 kasutusele võetud korterelamud : uuringu lõpparuanne

Kalamees, Targo; **Ilomets, Simo**; Liias, Roode; Raado, Lembi-Merike; **Kuusk, Kalle**; Maivel, Mikk; Ründva, Marko; Klõšeiko, Paul; Liho, Eva; Paap, Leena; Mikola, Alo; Seinre, Erkki; Lill, Irene; Soekov, Erki; Paadam, Katrin; Ojamäe, Liis; Kallavus, Urve; Mikli, Lauri; Kõiv, Teet-Andrus 2012 http://www.ester.ee/record=b2878060*est

Eesti eluasemefondi puitkorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; Arumägi, Endrik; Just, Alar; Kallavus, Urve; Mikli, Lauri; Thalfeldt, Marko; Klõšeiko, Paul; Agasild, Tõnis; Liho, Eva; Haug, Priit; Tuurmann, Kristo; Liias, Roode; **Õiger, Karl**; Langeproon, Priit; Orro, Oliver; Välja, Leele; Suits, Maris; **Kodi, Georg**; **Ilomets, Simo**; Alev, Üllar; Kurik, Lembit 2011 http://www.ester.ee/record=b2720728*est

Eesti eluasemefondi suurpaneel-korterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõppraport

Kalamees, Targo; **Õiger, Karl**; Kõiv, Teet-Andrus; Liias, Roode; Kallavus, Urve; Mikli, Lauri; Lehtla, Andres; Kodi, Georg; Luman, Andre; **Arumägi, Endrik**; Mironova, Jelena 2009 http://www.ester.ee/record=b2542472*est

Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; Kõiv, Teet-Andrus; Liias, Roode; **Õiger, Karl**; Kallavus, Urve; Mikli, Lauri; **Ilomets, Simo**; **Kuusk, Kalle**; Maivel, Mikk; Mikola, Alo; Klõšeiko, Paul; Agasild, Tõnis; Arumägi, Endrik; Liho, Eva; Ojang, Tanel; Tuisk, Tanel; Raado, Lembi-Merike; Jõesaar, Tõnu 2010 http://www.ester.ee/record=b2665958*est

Eesti kodused ootab peagi ees renoveerimismaraton [Võrguväljaanne]

Kalamees, Targo Äripäev 2021 / Lk. 12 "[Eesti kodused ootab peagi ees renoveerimismaraton](#)"

Eesti uuritud kirikute ehitustehniline seisund

Klõšeiko, Paul; **Kalamees, Targo** The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / lk. 7-29 : ill

Eestlaste välja mõeldud uus tehnoloogia kiirendaks kortermajade kordategemist

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

Efektiivne, hea soojustuse ja planeeringuga maja

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

Effect of freezing and thawing on the performance of “capillary active” insulation systems: a comparison of results from climate chamber study to HAM modelling

Klõšeiko, Paul; Varda, Kadi; **Kalamees, Targo** Energy procedia 2017 / P. 525-530 : ill <https://doi.org/10.1016/j.egypro.2017.09.714>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The effect of material selection, design, and construction on the service life and appearance of a wooden building

Kukk, Villu; Hiiekivi, Jürgen; **Kalamees, Targo** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 144-145 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>
https://www.ester.ee/record=b5668645*est

The effect of prestressing and temperature on tensile strength of basalt fiber-reinforced plywood

Lõhmus, Rünno; **Kallakas, Heikko; Tuhkanen, Eero**; Gulik, Volodymyr; Kiisk, Madis; Saal, Kristjan; **Kalamees, Targo** Materials 2021 / art. 4701, 9 p. : ill <https://doi.org/10.3390/ma14164701> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

The effect of temperature, humidity and mechanical properties on crack formation on external thin plasters of ETICS

Volkova, Kristina; Põldaru, Mattias; Ilomets, Simo; **Kalamees, Targo; Talvik, Martin**; Heim, Dariusz Journal of physics : conference series 2021 / art. 012025, 8 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012025> [Conference Proceedings at Scopus](#)
[Article at Scopus](#)

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

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

Effects of energy retrofits on indoor air quality in three Northern European countries

Prasauskas, Tadas; Martuzevicius, Dainius; **Kalamees, Targo; Kuusk, Kalle**; Leivo, Virpi; Haverinen-Shaughnessy, Ulla Energy procedia 2016 / p. 253-259 : ill <https://doi.org/10.1016/j.egypro.2016.09.134> [Conference Proceedings at Scopus](#) [Article at Scopus](#)
[Article at WOS](#)

The effects of ventilation systems and building fabric on the stability of indoor temperature and humidity in Finnish detached houses

Kalamees, Targo; Korpi, Minna; Vinha, Juha; **Kurnitski, Jarek** Building and environment 2009 / 8, p. 1643-1650 : ill

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](#)

Ehitusfüüsika ja energiatõhususe teadustaristu

Kalamees, Targo Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 20-26 : ill

Ehitusfüüsika ja energiatõhususe uurimis- ja teadustaristu

Kalamees, Targo 100 aastat TTÜ ehitusinseneri 2018 / lk. 303-309 : ill

Ehitusfüüsikute kohtumine Floridas : [2.-7. dets. 2007 X rahvusvahelisel ehitusfüüsika konverentsil]

Kalamees, Targo Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 371-373. (Konverentsimuljeid)

Ehitusmeistrid heitlevad olevikuga, kuid vaatavad tulevikku

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

Ehitusnõuete analüüs vastavalt haiglate ja hooldekodude eripäradele

Luht, Kadi; Valge, Alar; **Kalamees, Targo; Just, Alar**; Angelštok, Feliks 2012 https://www.ester.ee/record=b2886397*est

Ehitusprofessorid: Praeguse tempoga muudame oma hooneid energiatõhusaks sada aastat

Jarne, Aivar Pealinn 2023 / Lk. 11 https://www.ester.ee/record=b1287116*est [Ehitusprofessorid: Praeguse tempoga muudame oma hooneid energiatõhusaks sada aastat](#)

Ehitusprojekti kirjeldus. Osa 1, Eelprojekti seletuskiri = Description of building design. Part 1, Design note of preliminary design

2013 https://www.ester.ee/record=b2940612*est

Eksperdid: ajaloolised hooned vajavad kliimamuutuse eest läbimõeldumat kaitset

Truu, Murel; Kalamees, Targo; Martin, Anni; Koit, Katrin novaator.err.ee 2024 [Eksperdid: ajaloolised hooned vajavad kliimamuutuse eest läbimõeldumat kaitset](#)

Elamu sisekliima, küttekulu ja õhutihedus

Sasi, Lennart; Kalamees, Targo Ehituskaar 2004 / 2, lk. 46-47

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

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

Emerging renovation strategies and technical solutions for mass-construction of residential districts built after World War II in Europe

Lihtmaa, Lauri; Kalamees, Targo Energy strategy reviews 2024 / art. 101282 <https://doi.org/10.1016/j.esr.2023.101282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energiatõhus 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

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

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

Energy 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 and investment intensity of integrated renovation and 2030 cost optimal savings

Kurnitski, Jarek; Kuusk, Kalle; Tark, Teet; Uutar, Aivar; Kalamees, Targo; Pikas, Ergo Energy and buildings 2014 / p. 51-59 : ill <https://doi.org/10.1016/j.enbuild.2014.01.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy demand for the heating and cooling of residential houses in Finland in a changing climate

Jylhä, Kirsti; Jokisalo, Juha; **Kalamees, Targo** Energy and buildings 2015 / p. 104-116 : ill <https://doi.org/10.1016/j.enbuild.2015.04.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy performance of buildings

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

Energy performance of ETICS integrated with a flexible photovoltaic panel

Heim, Dariusz; Wieprzowicz, Anna; Knera, Dominika; **Ilomets, Simo; Kalamees, Targo;** Spitalsky, Zdeno Building simulation conference proceedings 2022 / p. 64-71 <https://doi.org/10.26868/25222708.2021.30194>

Energy performance of renovation alternatives of traditional rural houses in Estonia

Alev, Üllar; Arumägi, Endrik; 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 / [9] p. : ill

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 use and indoor climate of conservation heating, dehumidification and adaptive ventilation for the climate control of a mediaeval church in a cold climate

Napp, Margus; Kalamees, Targo Energy and buildings 2015 / p. 61-71 : ill <https://doi.org/10.1016/j.enbuild.2015.08.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing CLT construction – Hygrothermal modelling, novel performance criterion, and strategies for end-grain moisture safety

Kalbe, Kristo; Pärn, Roland; Ruus, Aime; Kalamees, Targo Journal of building engineering 2024 / art. 111411 <https://doi.org/10.1016/j.jobe.2024.111411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estonia : [the More-Connect approach]

Kalamees, Targo; Pihelo, Peep; Kuusk, Kalle A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of

Buildings with Prefabricated Elements for (N)Zeb Performance 2018 / p. 50-55 : ill [Guide into renovation...](#)

Estonian climate analysis for selecting moisture reference years for hygrothermal calculations

Kalamees, Targo Journal for Thermal Envelope & Building Science 2004 / 3, [3] p

Estonian climate analysis for selecting the test reference year

Kalamees, Targo; Kurnitski, Jarek Annual report / Helsinki University of Technology, HVAC-Laboratory 2006 / [10] p

Estonian climate analysis for selecting the test reference year

Kalamees, Targo; Kurnitski, Jarek Proceedings of the Healthy Buildings 2006 : Lisboa, Portugal, 4-8 June. V 2006 / p. 207-212

Estonian climate analysis for selecting the test reference year

Kalamees, Targo; Kurnitski, Jarek Proceedings of the Healthy Buildings 2006 : Lisboa, Portugal, 4-8 June. A 2006 / p. 253

Estonian grant scheme for renovating apartment buildings

Kuusk, Kalle; Kalamees, Targo Energy procedia 2016 / p. 628-637 : ill <https://doi.org/10.1016/j.egypro.2016.09.113> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Estonian test reference year for energy calculations

Kalamees, Targo; Kurnitski, Jarek Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 1, p. 40-58 : ill

Euroopa ringrenoveerimise projekt tõi Saue elanikele tänapäevase kodu = Рециклинговый Европейский проект дал жителям Сауэ новый дом

Trell, Kristel Elamu 2022 / lk. 6-9 : fot.; c. 44-45 : фот https://www.ester.ee/record=b1072137*est

European roadmap for the En-ActivETICS advancement and potential of the PV/PCM unventilated wall system application

Heim, Dariusz; Talvik, Martin; Wieprzkowicz, Anna; Ilomets, Simo; Knera, Dominika; Kalamees, Targo; Czarny, Dariusz Energy and buildings 2023 / art. 113207 <https://doi.org/10.1016/j.enbuild.2023.113207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating moisture safety strategies in CLT buildings – predictions vs actual outcomes

Kalbe, Kristo; Kalamees, Targo Case studies in construction materials 2025 / art. e04958, 17 p. : ill <https://doi.org/10.1016/j.cscm.2025.e04958>

Evaluation of a technical survey and the renovation needs of old rural wooden houses in Estonia

Alev, Üllar; Kalamees, Targo Journal of building survey, appraisal & valuation 2016 / p. 275-290 : ill <http://www.ingentaconnect.com/content/hsp/jbsav/2016/00000005/00000003/art00011>

Evaluation of renovation strategies : cost-optimal, COle optimal, or total energy optimal

Kertsmik, Kadri-Ann; Kuusk, Kalle; Lylykangas, Kimmo Sakari; Kalamees, Targo Energy and buildings 2023 / art. 112995 <https://doi.org/10.1016/j.enbuild.2023.112995> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of the criticality of thermal bridges

Ilomets, Simo; Kalamees, Targo Journal of building pathology and rehabilitation 2016 / art. 11, p. 1-13 : ill <http://dx.doi.org/10.1007/s41024-016-0005-6>

Evaluation of the thermal bridges of prefabricated concrete large-panel and brick apartment buildings in Estonia

Ilomets, Simo; Kalamees, Targo; Paap, Leena Proceedings of the 9th Nordic Symposium on Building Physics (NSB 2011), 29 May- 2 June 2011, Tampere, Finland. Vol. 3 2011 / p. 943-950 : 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

Experimental analysis of moisture uptake and dry-out in CLT end-grain exposed to free water

Kalbe, Kristo; Annuk, Alvar; Ruus, Aime; Kalamees, Targo Journal of Physics: Conference Series 2021 / art. 012050, 8 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012050> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental study on hygrothermal performance and durability of sandwich wall panels made of fiber reinforced AAC and PU foam insulation

Klõšeiko, Paul; Talvik, Martin; Kaljuvee, Kaire; Tuisk, Tanel; Ilomets, Simo; Kalamees, Targo Multiphysics and Multiscale Building Physics: Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 3: Building Systems and HVAC Technologies 2025 https://doi.org/10.1007/978-981-97-8313-7_42

Exploring the performance of CLT external walls enhanced with wood-fibre-based ETICS: preliminary field measurement

insights

Kukk, Villu; Kalamees, Targo Multiphysics and Multiscale Building Physics: Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 3: Building Systems and HVAC Technologies 2025 / p. 392-397 https://doi.org/10.1007/978-981-97-8313-7_54

Extent and reasons for biodeterioration, salt distribution and damage of plaster in Estonian medieval churches

Kallavus, Urve; Kalamees, Targo; Kurik, Lembit; Traksmäa, Rainer ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 709-716 : ill

Failure analysis of 10 year used wooden building

Kalamees, Targo Engineering failure analysis 2002 / 6, p. 635-643 : ill

Failure analysis of a spray polyurethane foam roofing system

Kalamees, Targo; Põldaru, Mattias; Ilomets, Simo; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Öiger, Karl Journal of building engineering 2020 / art. 101752, 9 p. : ill <https://doi.org/10.1016/j.jobbe.2020.101752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fiber-reinforced plywood: Increased performance with less raw material

Saal, Kristjan; Kallakas, Heikko; Tuhkanen, Eero; Just, Alar; Rohumaa, Anti; Kers, Jaan; Kalamees, Targo; Lõhmus, Rünno Materials 2024 / art. 3218 <https://doi.org/10.3390/ma17133218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field measurements and simulation of an massive wood panel envelope with ETICS

Kukk, Villu; Kers, Jaan; Kalamees, Targo Wood material science and engineering 2021 / p. 27-34 : ill <https://doi.org/10.1080/17480272.2020.1712738> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field measurements of a MHM envelope with ETICS

Kukk, Villu; Kalamees, Targo; Kers, Jaan Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 48-49 : ill https://www.ester.ee/record=b5197207*est

Field study of airtightness of traditional rural houses in Estonia

Alev, Üllar; 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

Field study of hygrothermal performance of log wall with internal thermal insulation

Arumägi, Endrik; Ilomets, Simo; Kalamees, Targo; Tuisk, Tanel XII International Conference on Durability of Building Materials and Components (XII DBMC), Porto, Portugal, April 12th-15th, 2011 2011 / p. 811-819 : ill <https://www.irbnet.de/daten/iconda/CIB22427.pdf>

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

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

Field survey of overheating problems in Estonian apartment buildings

Maivel, Mikk; Kurnitski, Jarek; Kalamees, Targo Architectural science review 2015 / p. 1-10 : ill <https://doi.org/10.1080/00038628.2014.970610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings

2024 <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)"

2013 http://www.ester.ee/record=b3053416*est

Financial viability of energy-efficiency measures in a new detached house design in Finland

Saari, Arto; Kalamees, Targo; Jokisalo, Juha; Michelsson, Rasmus; Alanne, Kari; Kurnitski, Jarek Applied energy 2012 / p. 76-83 <https://www.sciencedirect.com/science/article/pii/S0306261911006830>

Growth rate of solar thermal systems in Baltic States : slow but steady wins the race?

Valančius, Rokas; Borodinecs, Anatolijs; Kalamees, Targo; Fokaides, Paris; Jurelionis, Andrius; Jonynas, Rolandas Energy Sources, Part B: Economics, Planning and Policy 2020 / p. 423 - 435 <https://doi.org/10.1080/15567249.2020.1813844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Guest editor preface

Journal of sustainable architecture and civil engineering 2019 / p. 5-6 <https://doi.org/10.5755/j01.sace.24.1.23239>

A guide for renovation solution types of ventilation and building envelopes of typical post WWII apartment buildings
Kalamees, Targo; Thalfeldt, Martin; Zelenski, Maksim; Meos, Heiki; Laas, Margus; Kurnitski, Jarek; Kuusk, Kalle 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016) : Ghent, Belgium, 3-8 July 2016. Vol. 3 2016 / p. 1618-1625 : ill

A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of Buildings with Prefabricated Elements for (N)Zeb Performance [Online resource]

Rovers, Ronald; Kuusk, Kalle; Pihelo, Peep; Kalamees, Targo 2018 [A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of Buildings with Prefabricated Elements for \(N\)Zeb Performance](#)

Heat loss characteristics of typology-based apartment building external walls for a digital twin-based renovation strategy tool

Iliste, Elisa; Lomp, Siim; Pikas, Ergo; Arumägi, Endrik; Hallik, Jaanus; Öiger, Karl; Kisel, Einari; Liiv, Innar; Kalamees, Targo Journal of Physics: Conference Series 2023 / 8 p <https://doi.org/10.1088/1742-6596/2654/1/012125> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Heat loss due to domestic hot water pipes

Hamburg, Anti; Mikola, Alo; Parts, Tuule Mall; Kalamees, Targo Energies 2021 / art. 6446 <https://doi.org/10.3390/en14206446> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heat, air and moisture transfer terminology : parameters and concepts

Radu, A.; Barreira, E.; Kalamees, Targo 2012 https://www.researchgate.net/publication/257183156_Heat_air_and_moisture_transfer_terminology_-_parameters_and_concepts

"Hingav" puitsein ruumide sisekliima mõjutajana

Kalamees, Targo Ehitaja 2001 / 9, lk. 38-40 https://artiklid.elnet.ee/record=b1007472*est

Historiallisten rakennusten ilmanpitävyys, ilmanvaihtuvuus ja energiatehokkuus

Eskola, Lari; Jokisalo, Juha; Kalamees, Targo Sisäilmastoseminaari 2014 2014 / s. 1-6 : kuv

Hoone ehitusprojekt = Building design

2012 https://www.ester.ee/record=b2758900*est

Hoone kasutusea planeerimine

Kalamees, Targo Ehituskaar 2002 / 1, lk. 21-23

Hoone niiskuskooormust aitab arvutada niiskulisa väärtus

Kalamees, Targo Ehitaja 2007 / 11, lk. 62-65 : ill https://artiklid.elnet.ee/record=b1021048*est

Hoone piirdetarindi soojusjuhtivuse arvutusjuhend

Kalamees, Targo 2010 https://www.ester.ee/record=b2563282*est

Hoone piirdetarindi soojusjuhtivuse arvutusjuhend. Osa 1, Välisõhuga kontaktis olev läbipaistmatu piire = Guidance for calculation of thermal transmittance of building envelope. Part 1, Opaque building envelope in contact with outdoor-air

2025 https://www.ester.ee/record=b5733425*est

Hoone piirdetarindi soojuslähivuse arvutusjuhend. Osa 1, Välisõhuga kontaktis olev läbipaistmatu piire [Võrguteavik] = Guidance for calculation of thermal transmittance of building envelope. Part 1, Opaque building envelope in contact with outdoor-air

2016 http://www.ester.ee/record=b4601770*est

Hoonepiirete õhupidavus

Kalamees, Targo Keskkonnatehnika 2006 / 2, lk. 35-37 https://artiklid.elnet.ee/record=b1018996*est

Hoonete kuluoptimaalsete energiatõhususe miinimumtasemetega analüüs [Võrguteavik]

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

Hoonete rekonstrueerimise pikaajaline strateegia

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

Hourly test reference weather data in the changing climate of Finland for building energy simulations

Jylhä, Kirsti; Ruosteenoja, Kimmo; Kalamees, Targo Data in brief 2015 / p. 162-169 : ill <http://dx.doi.org/10.1016/j.dib.2015.04.026>

How vacancy of dwellings influences energy renovations of multifamily buildings

Lihtmaa, Lauri; Kalamees, Targo Energies 2025 / art. 603 <https://doi.org/10.3390/en18030603>

How well are energy performance objectives being achieved in renovated apartment buildings in Estonia?

Hamburg, Anti; Kalamees, Targo Energy and buildings 2019 / p. 332–341 <https://doi.org/10.1016/j.enbuild.2019.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal calculations and laboratory tests on timber-framed wall structures

Kalamees, Targo; Vinha, Juha Building and environment 2003 / 5, p. 689–697 : ill <https://www.sciencedirect.com/science/article/pii/S036013230200207X>

Hygrothermal criteria for design and simulation of buildings

Kalamees, Targo 2006 https://www.ester.ee/record=b2226959*est

Hygrothermal criteria for design of cross-laminated timber external walls

Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua Proceedings of the 5th international conference on building energy and environment 2023 / p. 811–815 https://doi.org/10.1007/978-981-19-9822-5_87 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal criteria for design of cross-laminated timber external walls with ventilated facades = Soojus- ja niiskustehnilised kriteeriumid tuulduva fassaadiga riskihtliimpuidust välisseinte projekteerimiseks

Kukk, Villu 2022 <https://doi.org/10.23658/taltech.33/2022> <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7> https://www.ester.ee/record=b5501869*est

Hygrothermal performance of a brick wall with interior insulation in cold climate : vapour open vs vapour tight approach

Klõšeiko, Paul; Kalamees, Targo Journal of building physics 2022 / p. 3–35 : ill <https://doi.org/10.1177/17442591211056067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of a massive natural stone masonry wall insulated from the internal side with hemp concrete – field measurements in cold climate

Pau, Markus; Kalamees, Targo; Kallavus, Urve Journal of physics : conference series 2021 / art. 012068, 9 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012068> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal performance of a massive stone wall with interior insulation : an in-situ study for developing a retrofit measure

Klõšeiko, Paul; Kalamees, Targo; Arumägi, Endrik; Kallavus, Urve Energy procedia 2015 / p. 195–200 : ill <https://doi.org/10.1016/j.egypro.2015.11.139> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

Hygrothermal performance of cross-laminated timber walls with interior insulation

Kukk, Villu; Kalamees, Targo Durability and Climate Change : Changing Climatic loads as may affect the Durability of Building Materials, Components and Assemblies : proceedings of the CIB / NRC Symposium : National Research Council Canada, Construction Research Center, Ottawa, Canada, 21 September, 2018 2018 / p. 23–24 : ill https://site.cibworld.nl/dl/publications/W080_pub414.pdf

Hygrothermal performance of highly insulated timber-frame external wall

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

Hygrothermal performance of internally insulated brick wall in cold climate : a case study in a historical school building

Klõšeiko, Paul; Arumägi, Endrik; Kalamees, Targo Journal of building physics 2015 / p. 444–464 : ill <https://doi.org/10.1177/1744259114532609> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of internally insulated brick wall in cold climate : field measurement and model calibration

Klõšeiko, Paul; Arumägi, Endrik; Kalamees, Targo Contributions to Building Physics : proceedings of the 2nd Central European Symposium on Building Physics : 9–11 September 2013, Vienna, Austria 2013 / p. 185–192 : ill

Hygrothermal performance of masonry walls retrofitted with interior insulation in cold climate = Kiviseinte seespoolse lisasoojustuse soojus- ja niiskustehniline toimivus külmas kliimas

Klõšeiko, Paul 2022 <https://doi.org/10.23658/taltech.41/2022> <https://digikogu.taltech.ee/et/Item/e4e4dc01-f8cf-4d60-b205-3f01529a8fc1> https://www.ester.ee/record=b5508993*est

Hygrothermal performance of mass timber wall assembly with external insulation finish system

Kukk, Villu; Kers, Jaan; Kalamees, Targo Buildings XIV : thermal performance of exterior envelopes of whole buildings : [conference proceedings] 2019 / 9 p [Hygrothermal Performance of Mass Timber](#)

Hygrothermal performance of prefabricated insulation elements for serial renovation of apartment buildings in a

moderately continental German climate

Pihelo, Peep; Kalamees, Targo Journal of Physics: Conference Series 2023 / art. 012001 <https://doi.org/10.1088/1742-6596/2654/1/012001> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal performance of prefabricated timber frame insulation elements for deep energy renovation of apartment buildings = Puitkarkass-lisasoojustuselementide niiskustehniline toimivus suurpaneelilamute tervikrenoveerimisel
Pihelo, Peep 2020 <https://digikogu.taltech.ee/et/Item/d748bdf-83e0-4377-a8d3-5e7e327e102e>

Hygrothermal performance of thick PCM mortar behind PV panels in energy-activated ETICS facades
Talvik, Martin; Ilomets, Simo; Klõšeiko, Paul; Kalamees, Targo; Põldaru, Mattias; Heim, Dariusz Buildings 2023 / art. 1572 <https://doi.org/10.3390/buildings13061572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Незванный гость: плесень в многоквартирном доме - чья проблема?
Truvorova, Olesja Stolitsa 2023 / c. 4-5

Identification and improvement of critical joints in CLT construction without weather protection
Kalbe, Kristo; Kukk, Villu; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 10002, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017210002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ilmanpitävyyden vaikutus vuotoilmanvaihtoon ja energiakulutukseen pientaloissa
Jokisalo, Juha; Kurnitski, Jarek; Kalamees, Targo; Eskola, Lari; Jokiranta, Kai Sisäilmastoseminaari 2007 2007 / s. 241-246 <https://research.aalto.fi/publications/ilmanpit%C3%A4vyyden-vaikutus-vuotoilmanvaihtoon-ja-energiankulutukseen>

Ilmavuotojen merkitys seinä- ja kattorakenteiden kostetusteknisessä toiminnassa
Kalamees, Targo; Kurnitski, Jarek Rakennusfysiikka 2009 2009 / p. 11

Impact of built-in moisture on the design of hygrothermally safe cross-laminated timber external walls : a stochastic approach
Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua Building and environment 2022 / art. 109736 <https://doi.org/10.1016/j.buildenv.2022.109736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of cracks to the hygrothermal properties of CLT water vapour resistance and air permeability
Kukk, Villu; Horta, R.; Püssa, Martin; Luciani, Giovanni; Kallakas, Heikko; Kalamees, Targo; Kers, Jaan Energy procedia 2017 / p. 741-746 : ill <https://doi.org/10.1016/j.egypro.2017.10.019> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of ETICS on corrosion propagation of concrete facade
Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka; Klõšeiko, Paul Energy procedia 2016 / p. 67-76 : ill <https://doi.org/10.1016/j.egypro.2016.09.101> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of linear thermal bridges on thermal transmittance of renovated apartment buildings
Ilomets, Simo; Kuusk, Kalle; Paap, Leena; Arumägi, Endrik; Kalamees, Targo Journal of civil engineering and management 2017 / p. 96-104 : ill <https://doi.org/10.3846/13923730.2014.976259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of the technical requirements of the renovation grant on the ventilation and indoor air quality in apartment buildings
Mikola, Aro; Hamburg, Anti; Kuusk, Kalle; Kalamees, Targo; Voll, Hendrik; Kurnitski, Jarek Building and environment 2022 / art. 108698 <https://doi.org/10.1016/j.buildenv.2021.108698> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving ground heat transfer simulations in cold climates through field-validated boundary conditions
Lomp, Siim; Hallik, Jaanus; Kalamees, Targo International journal of heat and mass transfer 2026 / art. 127864 <https://doi.org/10.1016/j.ijheatmasstransfer.2025.127864> [https://authors.elsevier.com/sd/article/S0017-9310\(25\)01199-8](https://authors.elsevier.com/sd/article/S0017-9310(25)01199-8)

Improving the indoor climate and energy saving in renovated apartment buildings in Estonia
Hamburg, Anti; Kalamees, Targo 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. 243-251 https://doi.org/10.1007/978-3-030-00662-4_21

Indoor climate analysis of the old observatory in Tartu
Arumägi, Endrik; Kalamees, Targo; Öiger, Karl; Kallavus, Urve; Kurik, Lembit 9th International Conference & Exhibition Healthy Buildings 2009 : September 13-17, 2009, Syracuse, NY, USA 2009 / p. Paper 398

Indoor climate and energy performance in nearly zero energy day care centers and school buildings
Kaiser, Ahmed; Kuusk, Kalle; Heininen, Henrik; Arumägi, Endrik; Kalamees, Targo; Hasu, Tero; Lolli, Nicola; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 02003 ; 9 p. : ill

Indoor climate and energy performance in typical concrete large-panel apartment buildings

Kõiv, Teet-Andrus; Kalamees, Targo Chemistry, emission control, radioactive pollution and indoor air quality 2011 / p. 597-618 : ill

Indoor climate and energy performance of traditional stone houses on Gotland, Sweden

Arumägi, Endrik; Kalamees, Targo; Broström, Tor NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 616-623 : ill

Indoor climate and humidity loads in old rural houses with different usage profiles

Alev, Üllar; Kalamees, Targo; Arumägi, Endrik Proceedings of the 9th Nordic Symposium on Building Physics (NSB 2011), 29 May- 2 June 2011, Tampere, Finland. Vol. 3 2011 / p. 1103-1110 : ill

Indoor climate and hygrothermal loads in Estonian dwellings

Kalamees, Targo; Sasi, Lennart; Öiger, Karl Final report of the IEA Annex 41 Whole Building Heat Air and Moisture Response - Subtask 3 : Boundary Conditions and Whole Building HAM Analysis 2008 / p. 157-174[??]

Indoor climate conditions and hygrothermal loads in Finnish and Estonian dwellings

Kalamees, Targo; Vinha, Juha; Korpi, Minna; Kurnitski, Jarek Proceedings of the IEA ECBCS Annex 41 Closing Seminar : Copenhagen, Denmark, June 19, 2008 2008 / p. 81-92

Indoor climate conditions and hygrothermal loads in historic wooden apartment buildings in cold climates

Arumägi, Endrik; Kalamees, Targo; Kallavus, Urve Proceedings of the Estonian Academy of Sciences 2015 / p. 146-156 : ill
https://artiklid.elnet.ee/record=b2727447*est <https://doi.org/10.3176/proc.2015.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor climate conditions and ventilation performance in Estonian lightweight detached houses

Kalamees, Targo Indoor and built environment 2006 / 6, p. 555-569

Indoor climate conditions in lightweight detached houses in cold climate [Electronic resource]

Kalamees, Targo; Kurnitski, Jarek; Vinha, Juha; Korpi, Minna The 6th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings : IAQVEC 2007, Oct 28-31, 2007, Sendai, Japan 2007 / [8] p. [CD-ROM]

Indoor climate in a naturally ventilated unheated medieval church in Harju-Risti, Estonia

Arumägi, Endrik; Kalamees, Targo; Broström, Tor Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9-12.05.2010 2010 / [8] p

Indoor climate in a naturally ventilated unheated medieval churches

Kalamees, Targo; Väli, Alan; Kurik, Lembit The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 30-51 : ill

Indoor climate in Church of the Holy Spirit, Tallinn [Electronic resource]

Kalamees, Targo; Sasi, Lennart Indoor Air 2008 : The 11th International Conference on Indoor Air Quality and Climate : 17-22.08.2008, Copenhagen, Denmark 2008 / [8] p. [CD-ROM]

Indoor climate in the Cathedral of Saint Mary the Virgin, Tallinn

Kalamees, Targo; Malva, L. 9th International Conference & Exhibition Healthy Buildings 2009 : September 13-17, 2009, Syracuse, NY, USA 2009 / p. Paper 101

Indoor climate loads for dwellings in different cold climates to assess hygrothermal performance of building envelopes

Ilomets, Simo; Kalamees, Targo; Tariku, Fitsum Canadian journal of civil engineering 2019 / p. 963-968 <https://doi.org/10.1139/cjce-2019-0079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor climate loads to assess hygrothermal performance of building envelope [Online resource]

Ilomets, Simo; Kalamees, Targo Durability and Climate Change : Changing Climatic loads as may affect the Durability of Building Materials, Components and Assemblies : proceedings of the CIB / NRC Symposium : National Research Council Canada, Construction Research Center, Ottawa, Canada, 21 September, 2018 2018 / p. 9-10 : ill
https://site.cibworld.nl/dl/publications/W080_pub414.pdf

Indoor humidity load in dwellings with high occupancy

Kalamees, Targo IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [4] p

Indoor humidity load in Estonian detached houses

Kalamees, Targo; Sasi, Lennart; Öiger, Karl IEA-Annex 41 MOIST-ENG working meeting : Trondheim, Norway, 26-28 October 2005 2005 / [9] p

Indoor humidity loads and moisture production in lightweight timber-frame detached houses

Kalamees, Targo; Vinha, Juha; **Kurnitski, Jarek** Journal of building physics 2006 / 3, p. 219-246

Indoor hygrothermal condition and user satisfaction in naturally ventilated historic houses in temperate humid continental climate around the Baltic Sea

Alev, Üllar; **Kalamees, Targo**; Eskola, Lari; **Arumägi, Endrik** Architectural science review 2016 / p. 53-67 : ill

<https://doi.org/10.1080/00038628.2015.1038980> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor hygrothermal conditions in Estonian old multi-storey brick apartment buildings

Kalamees, Targo; **Ilomets, Simo**; **Arumägi, Endrik**; **Alev, Üllar**; **Kõiv, Teet-Andrus**; **Mikola, Alo**; **Kuusk, Kalle**; **Maivel, Mikk**

The 12th International Conference on Indoor Air Quality and Climate, June 5-10, 2011, Austin, Texas, USA 2011 / [6] p

Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates

Ilomets, Simo; **Kalamees, Targo**; Vinha, Juha Journal of building physics 2018 / p. 547-577 : ill

<https://doi.org/10.1177/1744259117718442> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor hygrothermal loads in Estonian dwellings

Kalamees, Targo The 4th European Conference on Energy Performance & Indoor Climate in Buildings. The 27th Conference of the Air Infiltration & Ventilation Centre : Lyon, France, 20-22 November. 2 2006 / p. 541-546

Indoor Overheating Risks of Pv-Etics and Dark-Coloured Facades : Experimental and Simulation-Based Assessment

Talvik, Martin; **Ilomets, Simo**; **Kalamees, Targo** SSRN 2025 / 16 p <https://doi.org/10.2139/ssrn.5264960>

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5264960

Indoor temperature and humidity conditions and the performance of ventilation in 27 detached houses

Kalamees, Targo; **Sasi, Lennart**; **Õiger, Karl** IEA-Annex 41 MOIST-ENG working meeting : Trondheim, Norway, 26-28 October

2005 2005 / [10] p

Indoor temperature and humidity conditions in Estonian old multi-storey apartment buildings composed of prefabricated concrete elements

Kalamees, Targo; **Kõiv, Teet-Andrus**; **Arumägi, Endrik**; **Ilomets, Simo** Proceedings of Clima2010 10th Rehva World Congress

"Sustainable Energy Use in Buildings" : Antalya, 9-12.05.2010 2010 / [8] p

Indoor temperature and humidity conditions in Finnish dwellings [Electronic resource]

Kalamees, Targo; **Kurnitski, Jarek**; Keto, M.; Eskola, E.; Jokisalo, Juha; Korpi, Minna; Vinha, Juha Indoor Air 2008 : The 11th

International Conference on Indoor Air Quality and Climate : 17-22.08.2008, Copenhagen, Denmark 2008 / [8] p. [CD-ROM]

Indoor temperature and humidity conditions in modern Estonian apartment buildings

Kalamees, Targo; **Ilomets, Simo**; **Kuusk, Kalle**; **Paap, Leena** 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

Indoor temperature and humidity load in Finnish detached houses

Kalamees, Targo; Vinha, Juha; **Kurnitski, Jarek** IEA-Annex 41 MOIST-ENG working meeting : Montreal, Canada, 16-18 May 2005 2005 / [10] p

Infiltration simulation in a detached house - empirical model validation : [abstract] [Electronic resource]

Jokisalo, Juha; **Kalamees, Targo**; **Kurnitski, Jarek**; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 289 [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

Infiltration simulation in a detached house - empirical model validation [Electronic resource]

Jokisalo, Juha; **Kalamees, Targo**; **Kurnitski, Jarek**; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

Influence of CLT wetting during the construction phase on the crack formation and air leakages in the CLT

Kalbe, Kristo; **Kukk, Villu**; **Kalamees, Targo** AIP conference proceedings 2023 / p. 020028-1-020028-8

<https://doi.org/10.1063/5.0171342> [Conference proceedings at Scopus](#) [Article at Scopus](#)

The influence of exterior walls on the level and stability of indoor relative humidity and temperature in detached houses

Korpi, Minna; **Kalamees, Targo**; Vinha, Juha; **Kurnitski, Jarek** Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 3 2008 / p. 1413-1420

https://www.researchgate.net/publication/228600799_The_influence_of_exterior_walls_on_the_level_and_stability_of_indoor_humidity_and_temperature_in_detached_houses

The influence of indoor climate control on risk for damages in naturally ventilated historic churches in cold climate
Kalamees, Targo; Väli, Alan; Kurik, Lembit; Napp, Margus; Arumägi, Endrik; Kallavus, Urve International journal of architectural heritage : conservation, analysis, and restoration 2016 / p. 486-498 : ill <https://doi.org/10.1080/15583058.2014.1003623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of interior layer properties to moisture dry-out of CLT walls
Kukk, Villu; Külaots, Annegrete; Kers, Jaan; Kalamees, Targo Canadian journal of civil engineering 2019 / p. 1001-1009
<https://doi.org/10.1139/cjce-2018-0591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of moisture dry-out on hygrothermal performance of prefabricated modular renovation elements
Pihelo, Peep; Lelumees, Magnus; Kalamees, Targo Energy procedia 2016 / p. 745-755 : ill
<https://doi.org/10.1016/j.egypro.2016.09.137> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influence of production on hemp concrete hygrothermal properties : sorption, water vapour permeability and water absorption
Ruus, Aime; Koosapoeg, Tarmo; Pau, Markus; Kalamees, Targo; Põldaru, Mattias Journal of Physics : Conference Series 2021 / art. 012004, 9 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012004> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Influencing factors of moisture measurement when using microwave reflection method
Kurik, Lembit; Kalamees, Targo; Kallavus, Urve; Sinivee, Veljo Energy procedia 2017 / p. 159-164 : ill
<https://doi.org/10.1016/j.egypro.2017.09.675> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integrated cost-optimal renovation of apartment buildings toward nearly zero-energy buildings = Korterelamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks
Kuusk, Kalle 2015 https://www.ester.ee/record=b4482703*est

Integrated design of museum's indoor climate in medieval Episcopal Castle of Haapsalu
Napp, Margus; Kalamees, Targo; Tark, Teet; Arumägi, Endrik Energy procedia 2016 / p. 592-600 : ill
<https://doi.org/10.1016/j.egypro.2016.09.105> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Internal moisture excess of residential buildings in Finland
Vinha, Juha; Salminen, Mikko; Salminen, Kati; Kalamees, Targo; Kurnitski, Jarek; Kiviste, Mihkel Journal of building physics 2018 / p. 239-258 : ill <http://dx.doi.org/10.1177/1744259117750369>

Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes = Guidance for radon-protective measures for new and existing buildings [Võrguteavik]
2017 http://www.ester.ee/record=b4671261*est

Karl Öiger: väljapaistvaid ehitisi on meil vähe
Öiger, Karl Ehitaja 2023 / lk. 22-25 : fot https://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2908320*est

Kas renoveerimine tasub vaeva? „Alati on ikka kõik loomulikult kallid, raha on alati vähe.“
Pinn, Mariliis ohtuleht.ee 2023 [Kas renoveerimine tasub vaeva? „Alati on ikka kõik loomulikult kallid, raha on alati vähe.“](#)

Kas õppida vigadest või eeskujust?
Kalamees, Targo Ehitaja 2014 / lk. 44 : fot

Katuse niiskus- ja soojustoimivus
Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2020 / lk. 86-90 : ill https://www.ester.ee/record=b4516546*est

Katuseehitusreeglid. Osa 5, Lamekatused = Requirements for roof building. Part 5, Flat roofs
2023 https://www.ester.ee/record=b5652717*est

Katuste niiskus- ja soojustoimivus
Kalamees, Targo Katuseraamat 2016 / lk. 165-168 : ill

Kes on kes BIM-valdkonnas?

Kalamees, Targo Ehitaja 2018 / lk. 32-34 : fot http://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2868755*est

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

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

Korterelamute tervikliku renoveerimise juhendmaterjal

Kalamees, Targo; Thalfeldt, Martin; Meos, Heiki; Laas, Margus Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 39-44 : ill

Korterelamute välispiirete lisasoojustamise sõlmejoonised ja tüüpkorterite ventilatsioonilahendused

Kalamees, Targo; Thalfeldt, Martin; Meos, Heiki; Laas, Margus; **Zelenski, Maksim; Kurnitski, Jarek;** Diligentov, Eduard; Bõkova, Larissa 2015

Kosteuskuormien vaikutus lämpötilaindeksin raja-arvoon

Kalamees, Targo Rakennusfysiikka 2007 : Tampere (Finland), 18-19.10.2007 2007 / s. 287-294

Kuidas alandada puithoonete maksumust?

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

Kuidas paigaldada lift vanasse korterelamusse? = Как установить лифт в старом многоквартирном доме?

Kalamees, Targo Elamu 2021 / lk. 20-21 : fot.; c. 44-45 : фот https://www.ester.ee/record=b1072137*est

Kuidas viia Eestis sujuvalt läbi renoveerimislaine?

Kisel, Einari; Kalamees, Targo; Pikas, Ergo; Liiv, Innar; Arumägi, Endrik Mente et Manu 2023 / lk. 40-41 : fot
https://www.ester.ee/record=b1242496*est

Külmasillad Eesti nõukogudeaegsetes raudbetoonist suurpaneelilamutes

Paap, Leena; **Kalamees, Targo** Tallinna Tehnikakõrgkooli Toimetised 2010 / lk. 34-39 : ill

Kylmäsiltojen ja ilmastuotikohtien jakauma suomalaisissa pientaloissa ja kerrostaloasunnoissa

Kalamees, Targo; Korpi, Minna; Eskola, Lari; **Kurnitski, Jarek;** Vinha, Juha Rakennusfysiikka 2007 : Tampere (Finland), 18-19.10.2007 2007 / s. 295-302

Laboratory tests and modelling of mineral wool insulated steel sandwich panels

Laukkarinen, Anssi; Vinha, Juha; **Kalbe, Kristo; Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 17006, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017217006>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Large scale indoor climate study in 101 dwellings

Kalamees, Targo; Vinha, Juha Final report of the IEA Annex 41 Whole Building Heat Air and Moisture Response - Subtask 4 : applications - indoor climate, energy, durability 2008 / p. 107-111

Lessons learnt from the first public buildings in Estonia intended to be passive houses

Raide, Indrek; Kalamees, Targo; Muring, Tõnu Proceedings of the Estonian Academy of Sciences 2015 / p. 157-167 : ill
https://artiklid.elnet.ee/record=b2727449*est <https://doi.org/10.3176/proc.2015.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Liginullenergiamajad : Soome võitleb hoonete hallitusega, Eestit päästab oskuslik projekteerimine

Soopan, Ivar; **Kurnitski, Jarek; Kalamees, Targo** Maaleht 2018 / lk. 2-3

Long term measurements and HAM modelling of an interior insulation solution for an office building in cold climate

Klõšeiko, Paul; Kalamees, Targo 7th International Building Physics Conference IBPC2018: Healthy, Intelligent and Resilient Buildings and Urban Environments: proceedings : Syracuse, NY, USA, September 23-26, 2018 2018 / p. 1419-1424 : ill
<http://ibpc2018.org/wp-content/uploads/2018/11/FINAL-IBPC2108-Proceedings.pdf>

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 carbon emission renovation of historic residential buildings

Kertsmik, Kadri-Ann; Arumägi, Endrik; Hallik, Jaanus; Kalamees, Targo 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 206-207 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Low carbon emission renovation of historical residential buildings

Kertsmik, Kadri-Ann; Arumägi, Endrik; Hallik, Jaanus; Kalamees, Targo Energy reports 2024 / p. 3836-3847
<https://doi.org/10.1016/j.egy.2024.03.030> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lühikokkuvõte telliskorterelamute ehitustehnilise seisukorra uuringust = Краткое резюме из исследования строительно-технического состояния кирпичных многоквартирных домов
Kalamees, Targo Elamu 2011 / 1, lk. 14-15, 52-53

Maaelamute sisekliima, ehitusfüüsika ja energiasääst I : uuringu I etapi lõpparuanne
Kalamees, Targo; Alev, Üllar; Arumägi, Endrik; Ilomets, Simo; Just, Alar; Kallavus, Urve 2011
http://www.ester.ee/record=b2665966*est

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

Measured and simulated air pressure conditions in Finnish residential buildings
Kalamees, Targo; Kurnitski, Jarek; Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Building services engineering research & technology 2010 / 2, p. 177-190 : ill <https://journals.sagepub.com/doi/pdf/10.1177/0143624410363655>

Measured hygrothermal performance of energy activated facade in cold climate
Talvik, Martin; Kalamees, Targo; Ilomets, Simo Journal of building physics 2025 / p. 1-27 <https://doi.org/10.1177/174425912413124>

Measurement and simulations of air pressure in a two-storey detached house and in a five-storey apartment building
Kalamees, Targo; Jokisalo, Juha; **Kurnitski, Jarek;** Vinha, Juha IEA-Annex 41 MOIST-ENG, working meeting : Florianopolis (Brazil), 16-18 April, 2007 2007 / [8] p <https://bwk.kuleuven.be/bwf/projects/annex41/protected/data/TTU%20Apr%202007%20Paper%20A41-T3-EE-07-2.pdf>

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

Method for assessment of energy retrofit measures in milieu valuable buildings
Arumägi, Endrik; Mändel, Maris; Kalamees, Targo Energy procedia 2015 / p. 1027-1032 : ill
<https://doi.org/10.1016/j.egypro.2015.11.052> Conference proceedings at Scopus Article at Scopus Article at WOS

A method to develop energy activated ETICS
Ilomets, Simo; Heim, Dariusz; Chodak, Ivan; Czarny, Dariusz; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21006, 8 p. : ill
<https://doi.org/10.1051/e3sconf/202017221006> Conference proceeding at Scopus Article at Scopus Article at WOS

Method to divide heating energy in energy efficient building without direct measuring
Hamburg, Anti; Kalamees, Targo Energy procedia 2017 / p. 45-50 : ill <https://doi.org/10.1016/j.egypro.2017.09.629> Conference proceedings at Scopus Article at Scopus Article at WOS

Mida teha, kui fassaad vajab uuendamist? = Что делать, если фасад требует ремонта?
Kalamees, Targo Elamu 2021 / lk. 16-17 : fot.; c. 38-39 : фот https://www.ester.ee/record=b1072137*est

Moisture control strategies of habitable basements in cold climates
Asphaug, Silje Kathrin; Kvande, Tore; Time, Berit; Peuhkuri, Ruut H.; Kalamees, Targo; Johansson, Pär; Berardi, Umberto; Lohne, Jardar Building and Environment 2020 / Art. 106572 <https://doi.org/10.1016/j.buildenv.2019.106572> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Moisture convection performance of external walls and roofs
Kalamees, Targo; Kurnitski, Jarek Journal of building physics 2010 / 3, p. 225-247
<https://journals.sagepub.com/doi/10.1177/1744259109343502>

Moisture convection performance of wall and attic floor joint
Kalamees, Targo; Kurnitski, Jarek Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 2 2008 / p. 777-784
https://www.researchgate.net/publication/228777811_Moisture_convection_performance_of_wall_and_attic_floor_joint

Moisture convection performance on the joint of external wall and attic floor - laboratory tests and two-dimensional simulation model validation : [abstract] [Electronic resource]
Kalamees, Targo; Kurnitski, Jarek Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 286 [CD-ROM]
https://www.researchgate.net/publication/228890901_Moisture_convection_performance_on_the_joint_of_external_wall_and_attic_floor-laboratory_tests_and_two-dimensional_simulation_model_validation

Moisture convection performance on the joint of external wall and attic floor - laboratory tests and two-dimensional simulation model validation [Electronic resource]

Kalamees, Targo; Kurnitski, Jarek Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM] https://www.researchgate.net/publication/228890901_Moisture_convection_performance_on_the_joint_of_external_wall_and_attic_floor-laboratory_tests_and_two-dimensional_simulation_model_validation

Moisture drying capacity of mineral wool insulated steel-faced sandwich panels by convection

Lomp, Siim; Kalbe, Kristo; Kalamees, Targo Acta Polytechnica CTU proceedings 2022 / p. 347-353
<https://doi.org/10.14311/APP.2022.38.0347> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Moisture dry-out capability of steel-faced mineral wool insulated sandwich panels

Kalbe, Kristo; Piikov, Hubert; Kalamees, Targo Sustainability 2021 / 18 p. : ill <https://doi.org/10.3390/su12219020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moisture dry-out from steel faced insulated sandwich panels

Kalbe, Kristo; Piikov, Hubert; Kurnitski, Jarek; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 17007, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017217007>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Moisture safety in prefabricated roof renovations : causes and strategies

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

Moisture safety of cross-laminated timber construction = Ristkihtliimpuit ehituse niiskusturvalisus

Kalbe, Kristo 2025 https://www.ester.ee/record=b5750525*est <https://digikogu.taltech.ee/et/Item/75dac979-4e4c-4fd7-8d66-ade40d647e91>
<https://doi.org/10.23658/taltech.44/2025>

Moisture safety strategies for renovations of a roof with prefabricated additional insulation elements: A whole building heat, air, and moisture simulation approach

Kalamees, Targo; Kalbe, Kristo; Kodi, Georg-Mihkel; Pihelo, Peep; Simson, Raimo; Arumägi, Endrik Multiphysics and Multiscale Building Physics : Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 1: Moisture and Materials 2025 / p. 262–269 https://doi.org/10.1007/978-981-97-8305-2_36

Moisture safety strategies for roof renovation with prefabricated additional insulation elements

Kodi, Georg-Mihkel; Kalbe, Kristo; Pihelo, Peep; Kalamees, Targo 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 154-155 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Moisture supply in heavyweight detached houses

Salminen, Kati; Korpi, Minna; Salminen, Mikko; Vinha, Juha; Kurnitski, Jarek; Kalamees, Targo IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [10] p

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

Märjad ja niisked ruumid puitelamus

Kalamees, Targo Puuinfo 2008 / 2, lk. 39-42 : ill

Märjad ja niisked ruumid vanas majas

Kalamees, Targo Maakodu 2009 / 1, lk. 29-33 : ill https://artiklid.elnet.ee/record=b1071748*est

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

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](#)

New typical meteorological year generation method based on long-term building energy simulations

Seyed Salehi, Seyed Shahabaldin; Kalamees, Targo; Kurnitski, Jarek; Thalfeldt, Martin Building and environment 2024 / art. 111504 <https://doi.org/10.1016/j.buildenv.2024.111504> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at](#)

Niiskus puitkarkasspiiretes

Kalamees, Targo Puuinfo 2005 / 1, lk. 28-30 : ill

Non-isothermal cup test for liquid and vapour conductivity curve calibration

Klõšeiko, Paul; Margus, Karl; **Kalamees, Targo** AIP conference proceedings 2023 / art. 020030 <https://doi.org/10.1063/5.0171189>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

A novel approach to quantify crack formation in CLT

Kalbe, Kristo; **Kalamees, Targo** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 156-157 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>
https://www.ester.ee/record=b5668645*est

NZEB energy performance requirements in four countries vs. European commission recommendations

Kurnitski, Jarek; **Ahmed, Kaiser**; Hasu, Tero; **Kalamees, Targo** Proceedings of the REHVA Annual Meeting Conference Low Carbon Technologies in HVAC : 23 April 2018, Brussels, Belgium 2018 / 8 p. : ill
<https://www.rehvam2018atic.eu/images/workshops/4/Kurnitski.pdf>

nZEB renovation of multi-storey building with prefabricated modular panels

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

nZEB renovation of multi-storey building with prefabricated modular panels

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

nZEB renovation with prefabricated modular panels

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

nZEB retrofit of a concrete large panel apartment building

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

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.jobe.2022.105221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of CLT moisture uptake and dry-out following water infiltration through end-grain surfaces

Brandstätter, Florian; **Kalbe, Kristo**; **Autengruber, Maximilian**; **Lukacevic, Markus**; **Kalamees, Targo**; **Ruus, Aime**; **Annu, Alvar**; **Füssl, Josef** Journal of Building Engineering 2023 / art. 108097 <https://doi.org/10.1016/j.jobe.2023.108097> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nõukaaegsete kodude eluiga pikendab põhjalik remont

Pinn, Mariliis Õhtuleht 2023 <https://dea.digar.ee/article/õhtuleht/2023/04/13/3.10>

Näiteid palkmajade taastamisest

Palolill, Margus; **Kalamees, Targo** 2016 http://www.ester.ee/record=b4618537*est

On design principles and calculation methods related to air leakages and thermal bridges in well-insulated building envelopes = Õhulekete ja külmasildade mõju hindamise ja arvutamise põhimõtted hästi soojustatud piirdetarindite projekteerimisel

Hallik, Jaanus 2022 <https://doi.org/10.23658/taltech.28/2022> <https://digikogu.taltech.ee/et/Item/cb3446bc-a53c-4fe7-8ae8-4881ae5867ac>
https://www.ester.ee/record=b5501130*est

On site measurement and hygrothermal modelling of degraded ETICS facade with EPS and mineral wool fire breaks

Talvik, Martin; **Klõšeiko, Paul**; **Kalamees, Targo**; **Liisma, Eneli**; **Ilomets, Simo** Journal of Physics: Conference Series 2023 / 8 p
<https://doi.org/10.1088/1742-6596/2654/1/012124> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Open-source, low-code, no-code : digitalization of renovation processes

Pikas, Ergo; **Koskela, Lauri Jaakko**; **Kalamees, Targo**; **Ilste, Elisa**; **Viik, Joosep** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 16-17 <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Overview of air infiltration in the studied church buildings

Väli, Alan; **Kalamees, Targo** The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 52-56 : ill

Overview of damage to facades and interior surfaces of medieval rural churches in Estonia

Klõšeiko, Paul; Kalamees, Targo ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 579-586 : ill

Overview of damage to medieval rural churches in Estonia

Klõšeiko, Paul; Kalamees, Targo Case studies of building pathology in cultural heritage 2016 / p. 47-68 http://dx.doi.org/10.1007/978-981-10-0639-5_3

Painesuhteet pientalossa

Kalamees, Targo; Kurnitski, Jarek; Jokisalo, Juha; Vinha, Juha Sisäilmastoseminaari 2007 2007 / s. 259-264

Paneelelamute renoveerimisest ei pääse

Kalamees, Targo Kodu & Ehitus : TM 2009 / 8, lk. 38-40, 42 : ill

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

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

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

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

Performance of interiorly insulated log wall : Experiences from Estonian cold climate conditions

Kalamees, Targo; Arumägi, Endrik; Alev, Üllar Conference Report : The 3rd International Conference on Energy Efficiency in Historic Buildings 2018 / p. 99-107 : ill <http://eehb2018.com/wp-content/uploads/2018/09/Conference-Report-The-3rd-International-Conference-on-Energy-Efficiency-in-Historic-Buildings.pdf>

Performance of ventilation in Estonian apartment buildings

Mikola, Alo; Kalamees, Targo; Kõiv, Teet-Andrus Energy procedia 2017 / p. 963-968 : ill <https://doi.org/10.1016/j.egypro.2017.09.681>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance testing of frost damage model by hygrothermal simulation

Ilomets, Simo; Kalamees, Targo; Raado, Lembi-Merike Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 73-80 : ill

Pientalojen vuotoilmanvaihtuvuuden arviointimenetelmä Suomen olosuhteisiin

Jokisalo, Juha; Kurnitski, Jarek; Kalamees, Targo; Eskola, Lari; Jokiranta, Kai; Korpi, Minna; Vinha, Juha Sisäilmastoseminaari 2008 : 05.03.2008 2008 / s. 165-170 <https://research.aalto.fi/en/publications/pientalojen-vuotoilmanvaihtuvuuden-arviointimenetelm%C3%A4-suomen-olos>

Piirete omaduste mõju hoonele ja sisekliimale

Kalamees, Targo Ehitaja 2003 / 10, lk. 18-21 https://artiklid.elnet.ee/record=b1013713*est

Piirete õhutihedus ja selle mõõtmise

Kalamees, Targo Puuinfo 2005 / 1, lk. 25-27 : ill

Potential effects of permeable and hygroscopic lightweight structures on thermal comfort and perceived IAQ in a cold climate

Kurnitski, Jarek; Kalamees, Targo; Palonen, J.; Eskola, Lari; Seppänen, Olli Indoor air 2007 / 1, p. 37-49
<https://pubmed.ncbi.nlm.nih.gov/17257151/>

Potential for finance and energy savings of detached houses in Estonia

Alev, Üllar; Allikmaa, Ats; Kalamees, Targo Energy procedia 2015 / p. 907-912 : ill <https://doi.org/10.1016/j.egypro.2015.11.017>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The potential of HVAC systems and building envelope on the indoor climate stability in lightweight detached houses

Kalamees, Targo; Vinha, Juha; Kurnitski, Jarek IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [12] p

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

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/>

Preliminary assessment of preconditions to deliver carbon neutrality in apartment buildings by 2050

Lihtmaa, Lauri; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18004, 6 p. : ill <https://doi.org/10.1051/e3sconf/202017218004> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Preliminary field study on hygrothermal performance of ETICS using thick lime plasters on various insulation materials for historic buildings in wet and cold climate

Talvik, Martin; Klõšeiko, Paul; Vilba, Kristina; Põldaru, Mattias; Olak, Henri; Kalamees, Targo 2025

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>

Principles to analyse the moisture performance of timber-framed external wall assembly due to diffusion

Vinha, Juha; Kalamees, Targo Proceedings of the 9th Canadian Conference on Building Science and Technology : Design and Construction of Durable Building Envelopes : February 27 & 28, 2003, Vancouver, British Columbia 2003 / p. 123-140 : ill

Principles to select new test reference year assessing the annual energy for heating and cooling of buildings in Finland

Kalamees, Targo; Jylhä, Kirsti; Tietäväinen, Hanna; Jokisalo, Juha; Ilomets, Simo; Ruosteenoja, Kimmo; Hyvönen, Reijo; Saku, Seppo; Hutila, A. The 12th International Conference on Air Distribution in Rooms, June 19-22, 2011, Trondheim, Norway 2011 / [8] p https://www.academia.edu/72130372/Principles_to_select_new_test_reference_year_assessing_the_annual_energy_for_heating_and_cooling_of_buildings_in_Finland

Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn]

Kalamees, Targo; Just, Alar; Semjonov, Meeli; Teder, Anu; Deemant, Merili 2019 https://www.ester.ee/record=b5197207*est

Professor pakub SmartEnCity päästmiseks soodsat ehituslahendust

Arula, Eili; Kalamees, Targo Tartu Postimees 2018 / lk. 4 <https://tartu.postimees.ee/4507387/professor-pakub-smartencity-paastmiseks-soodsat-ehituslahendust>

Professor Targo Kalamees võrdleb hoonete heitevabaks tegemist Eesti sõjajärgse ülesehitusega

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

Professor Targo Kalamees: me ei pääse eesootavast renoveerimislainest

Vill, Ants director.ee 2023 [Professor Targo Kalamees: me ei pääse eesootavast renoveerimislainest](#)

Professor Targo Kalamees: tulevane insener ei tohi häbeneda õppejõule rohkete küsimuste esitamist

Kalamees, Targo director.ee 2023 [Professor Targo Kalamees: tulevane insener ei tohi häbeneda õppejõule rohkete küsimuste esitamist](#)

Puitkarkass-piirete materjalivaliku kriteeriume

Kalamees, Targo Ehitaja 2002 / 5, lk. 23-25 : ill https://artiklid.elnet.ee/record=b1009716*est

Puitkorterelamute eluiga saab renoveerimisega tunduvalt pikendada

Kalamees, Targo Postimees 2012 / lk. 20

Puurunkoisten pientalojen koetus- ja lämpötilaolosuhteet, ilmanvaihto ja ilmatiiviys

Vinha, Juha; Korpi, Minna; Kalamees, Targo; Eskola, Lari; Palonen, J.; Kurnitski, Jarek; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha 2005

Puurunkoisten seinärakenteiden kosteusteknisen toiminnan vertailu omakotitalossa

Vinha, Juha; Käkälä, Pasi; Kalamees, Targo 2003

Põgus läbilõige põhjalikust puitkorterelamute uuringust = Обзор исследования деревянных домов

Kalamees, Targo Elamu 2012 / lk. 16-20, 42-46 : ill

Pööningukorruse isolatsioon

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2021 / lk. 46-52 : fot https://www.ester.ee/record=b4516546*est

Quality of ventilation systems in residential buildings : status and perspectives in Estonia

Mikola, Alo; Kõiv, Teet-Andrus; Kalamees, Targo International workshop : securing the quality of ventilation systems in residential buildings : status and perspectives : proceedings : Brussels, Belgium, 18-19 March 2013 2013 / [10] p. : ill

Quantification of building envelope heat losses on a district level for comparative renovation strategies assessment

Arumägi, Endrik; Hallik, Jaanus; Pikas, Ergo; Kalamees, Targo; Liiv, Innar; Kisel, Einari Journal of Physics: Conference Series 2023 / 10 p <https://doi.org/10.1088/1742-6596/2654/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Radooniõhu vähendamise lahendused olemasolevatele ja uutele hoonetele = Guidance for radon-protective measures for new and existing buildings [Võrguväljaanne]

Kalamees, Targo; Alev, Üllar; Thalfeldt, Martin; Varda, Kadi; Kurnitski, Jarek 2015

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](#)

Realisation of energy renovation targets of Estonian apartment buildings = Eesti korterelamute renoveerimisel energiatõhususe eesmärkide saavutamine

Hamburg, Anti 2022 <https://doi.org/10.23658/taltech.18/2022> <https://digikogu.taltech.ee/et/Item/790db206-2bfe-4ec0-9476-cb1a3dc09400> https://www.ester.ee/record=b5497566*est

Reliability of interior thermal insulation as a retrofit measure in historic wooden apartment buildings in cold climate

Arumägi, Endrik; Pihlak, Margus; Kalamees, Targo Energy procedia 2015 / p. 871-876 : ill

<https://doi.org/10.1016/j.egypro.2015.11.010> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Renovation alternatives to improve energy performance of historic rural houses in the Baltic Sea region

Alev, Üllar; Eskola, Lari; Arumägi, Endrik; Kalamees, Targo Energy and buildings 2014 / p. 58-66 : ill

<https://doi.org/10.1016/j.enbuild.2014.03.049> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Renovation and energy performance improvement of Estonian wooden rural houses = Eesti puidust maaelamute renoveerimine ja energiatõhususe parandamine

Alev, Üllar 2017 <https://digi.lib.ttu.ee/i/?7675> https://www.ester.ee/record=b4676434*est

Renovation marathon - pursuing Estonian national climate ambition through smart and resilient renovation (LIFE IP)

Kalamees, Targo; Lomp, Siim Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 58-59 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Renovation need and performance of envelopes of concrete apartment buildings in Estonia = Eesti raudbetoon-suurpaneelamute piirdetarindite renoveerimisvajadus ja toimivus

Ilomets, Simo 2017 <https://digi.lib.ttu.ee/i/?7670> https://www.ester.ee/record=b4674186*est

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](#)

Renovation of historic wooden apartment buildings = Ajalooliste puitkorterelamute renoveerimine

Arumägi, Endrik 2015 http://www.ester.ee/record=b4483126*est

Renovation of ventilation in apartment buildings - Estonian experience

Mikola, Alo; Kuusk, Kalle; Hamburg, Anti; Kurnitski, Jarek; Kalamees, Targo The REHVA European HVAC journal 2019 / p. 20-26 : ill <https://www.rehva.eu/rehva-journal/chapter/renovation-of-ventilation-in-apartment-buildings-estonian-experience>

Renovation passport : Developing a renovation feasibility assessment tool

Iliste, Elisa; Pikas, Ergo; Kalamees, Targo Proceedings of the 2025 European Conference on Computing in Construction 2025 / 8 p <https://doi.org/10.35490/EC3.2025.436>

Renovation vs. demolition of an old apartment building : energy use, economic and environmental analysis

Kuusk, Kalle; Ilomets, Simo; Kalamees, Targo; Tuudak, Sten; Luman, Andre NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 1213-1220 : ill

Renoveerimine ootab pea iga vanemat eramut – kuidas seda teha?

Kalamees, Targo visionest.institute 2024 [Renoveerimine ootab pea iga vanemat eramut – kuidas seda teha?](#)

Research demand of old apartment buildings in Estonia

Kalamees, Targo; Ilomets, Simo; Arumägi, Endrik; Kuusk, Kalle; Liias, Roode; Kõiv, Teet-Andrus; Öiger, Karl IEA Annex 55

A research project on the temperature and humidity conditions, ventilation and airtightness of Finnish detached houses

Vinha, Juha; Korpi, Minna; **Kalamees, Targo**; Eskola, Lari; Palonen, J.; **Kurnitski, Jarek**; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha
Final report of the IEA Annex 41 Whole Building Heat Air and Moisture Response - Subtask 3 : Boundary Conditions and Whole Building HAM Analysis 2008 / p. 157-174

Retrofit cost-effectiveness : Estonian apartment buildings

Kuusk, Kalle; Kalamees, Targo Building research & information 2016 / p. 920-934 : ill <https://doi.org/10.1080/09613218.2016.1103117>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rheology, strength, and durability of concrete and mortar made of recycled calcium silicate masonry

Tuisk, Tanel; Ilomets, Simo; Hain, Tiina; Kalbus, Joosep; Kalamees, Targo Materials 2024 / art. 2790
<https://doi.org/10.3390/ma17122790> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ringrenoveerimise projekt tõi Tartusse ehitusmaterjalide taaskasutuspanga = В Тарту появился банк по переработке строительных материалов

Elamu 2024 / lk. 14-15 https://www.ester.ee/record=b1072137*est

Ruusutorpan koulun puhallinvusteiden painovoimainen ilmanvaihto

Kurnitski, Jarek; Jokiranta, Kai; Kalamees, Targo; Helenius, Tapio; Palonen, J. Sisäilmastoseminaari 2005 : Espoo, Otaniemi, Finland, 16.-17.02.2005 2005 / s. 75-80

Ruusutorpan koulun puhallinvusteinen painovoimainen ilmanvaihto (2005)

Kurnitski, Jarek; Jokiranta, Kai; Kalamees, Targo; Helenius, Tapio; Palonen, J.; Airaksinen, M. 2005

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

A simple adaptive ventilation controller for mediaeval church

Sinivee, Veljo; Kurik, Lembit; Kalamees, Targo Energy procedia 2017 / p. 957-962 : ill <https://doi.org/10.1016/j.egypro.2017.09.674>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulated influence of indoor climate and ventilation on schoolwork performance in Estonian manor schools

Kalamees, Targo; Väli, Alan; Kallavus, Urve; Kurik, Lembit; Alev, Üllar International journal of ventilation 2015 / p. 153-164 : ill
<https://doi.org/10.1080/14733315.2015.11684077> [Journal metrics at Scopus](#) [Article at Scopus](#)

Sisekliima ja niiskuskooormused puitkarkasseramutes

Kalamees, Targo Puuinfo 2007 / 2, lk. 34-36 : ill

Sisekliima Tallinna Püha Vaimu kirikus

Kalamees, Targo; Sasi, Lennart Muinsuskaitse aastaraamat 2006 2007 / lk. 76-77 : ill

Siseõhk ei sõltu seinte valikust

Kalamees, Targo Äripäev 2003 / 19. aug., lk. 13

Sisäilma kosteuslisä suomalaisissa pientalossa

Kalamees, Targo; Vinha, Juha; Korpi, Minna; Valvori, I.; Kurnitski, Jarek Sisäilmastoseminaari : 17-18.03.2004, Espoo 2004 / s. 81
<https://researchportal.tuni.fi/en/publications/sis%C3%A4ilman-kosteuslis%C3%A4-suomalaisissa-pientaloissa>

Sisäilmaongelmaisten koulurakennusten korjaaminen

Aalto, Minna; Asikainen, Vesa; **Kalamees, Targo; Kurnitski, Jarek** 2008
<https://research.aalto.fi/en/publications/sis%C3%A4ilmaongelmaisten-koulurakennusten-korjaaminen>

Sisäilmaongelmaisten koulurakennusten korjausratkaisujen kehittäminen

Kurnitski, Jarek; Pirinen, J.; Peltola, S.; Kalamees, Targo; Asikainen, V. Rakennusfysiikka 2007 : Tampere (Finland), 18-19.10.2007 2007 / s. 165-174

Sisäolosuhteet ja ilmanvaihto historiallisissa rakennuksissa

Alev, Üllar; Eskola, Lari; Kalamees, Targo; Arumägi, Endrik Sisäilmastoseminaari 2015 : Messukeskus, Helsinki, 11.3.2015 2015

Solution to the IEA Annex 41 CE4

Kalamees, Targo IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [10] p
<https://bwk.kuleuven.be/bwf/projects/annex41/protected/data/TTU%20Oct%202006%20Paper%20A41-T1-EE-06-2.pdf>

Soojustamisest

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2017 / lk. 86-90

Soojustus - milline lahendus valida?

Kalamees, Targo Eramaja rekonstrueerimine : väärt nõuanded, praktilised näpunäited ja kogu vajalik info kodu korrastamiseks 2019 / lk. 16-18 : fot https://issuu.com/sihtasutus_kredex/docs/kredex_eramaja_aprill2019 https://www.ester.ee/record=b5232716*est

Soojustus looduslike materjalidega

Kalamees, Targo Maakodu 2004 / nov., lk. 24 : ill https://artiklid.elnet.ee/record=b2059064*est

Sovetiaja kortermaja sai liginullenergiahooneks tehases toodetud uudsete elementidega

Kalamees, Targo Äripäev 2018 / Korterühistute eri, lk. 14-15 <https://static-pdf.aripaev.ee/r2UVRqSe5wLtiOmkpltq80nQEA.pdf>

Specific retrofitting concepts compared

Kalamees, Targo; Oorschot, John van A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of Buildings with Prefabricated Elements for (N)Zeb Performance 2018 / p. 39-45 : ill [Guide into renovation...](#)

A state-of-the-art empirical round robin validation of heat, air and moisture (HAM) models

Dang, Xinyuan; Guimarães, Ana Sofia; Sarkany, Andreas; Laukkanen, Anssi; Xu, Bingyu; Vanderschelden, Bruno; Rode, Carsten; Xia, Changchang; Feng, Chi; Whitman, Chris; **Klõšeiko, Paul**; **Kalamees, Targo**; **Kukk, Villu** Building and Environment 2025 / art. 112867 <https://doi.org/10.1016/j.buildenv.2025.112867>

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>

Summer thermal comfort compliance assessment in apartment buildings

Simson, Raimo; **Kurnitski, Jarek**; **Maivel, Mikk**; **Kalamees, Targo** Healthy Buildings 2015 : Eindhoven, The Netherlands, May 18-20, 2015 [Electronic resource] 2015 / p. 1-8 : ill. [USB]

Summer thermal comfort in new and old apartment buildings

Maivel, Mikk; **Kurnitski, Jarek**; **Kalamees, Targo** Proceedings : Windsor Conference 2014 : Counting the Cost of Comfort in a Changing World : 8th Windsor Conference, International Conference, held 10th-13th April 2014, Windsor, UK 2014 / p. 42-50 : ill

Suurpaneelamute renoveerimise õnnestumine eeldab kompleksset lähenemist

Kalamees, Targo Keskkonnatehnika 2010 / 1, lk. 36-37 : ill https://artiklid.elnet.ee/record=b1957974*est

Säästlik käitumine ja renoveerimine aitavad energiakulusid madalamal hoida [Võrguväljaanne]

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

Taltech'i ehitusprofessorid: Kui tempot ei lisa, siis renoveerime oma hooneid energiatõhusaks 100 aastat

Järve, Aivar pealinn.ee 2023 [Taltech'i ehitusprofessorid: Kui tempot ei lisa, siis renoveerime oma hooneid energiatõhusaks 100 aastat](#)

Teadlane: tulevikus võiks elamute vahel tekkida elektri mikrovõrk = Ученый: в будущем между жилыми домами может возникнуть микросеть электроэнергии

Kalamees, Targo Elamu 2022 / lk. 12-15 : fot. ; c. 35-37 : фот https://www.ester.ee/record=b1072137*est

Technical condition of prefabricated concrete large panel apartment buildings in Estonia

Kalamees, Targo; **Õiger, Karl**; **Kõiv, Teet-Andrus**; **Liias, Roode**; **Kallavus, Urve**; **Mikli, Lauri**; **Lehtla, Andres**; **Kodi, Georg**; **Arumägi, Endrik** XII International Conference on Durability of Building Materials and Components : Porto, Portugal, April 12-15, 2011 : proceedings. II 2011 / p. 973-981 : ill

Technical state, renovation need, and performance of renovation solutions of Estonian wooden log houses

Põdra, Alois Andreas; **Allas, Gert Air**; **Ruus, Aime**; **Lutsepp, Elo**; **Kalamees, Targo** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 204-205 <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Technical state, renovation need, and performance of renovation solutions of Estonian wooden log houses

Põdra, Alois Andreas; Allas, Gert Air; Ruus, Aime; Lutsepp, Elo; **Kalamees, Targo** Journal of sustainable architecture and civil engineering 2024 / p. 35-52 <https://doi.org/10.5755/j01.sace.34.1.35606> [Journal metrics at Scopus](#) [Article at Scopus](#)

Tehaselise rekonstrueerimise tehnilised lahendused = Технические решения реконструкции заводскими элементами
Kalamees, Targo Elamu 2021 / lk. 8-9 : fot.; c. 32-33 : фот https://www.ester.ee/record=b1072137*est

Tehnikaülikool alustas rohepööret iseendast
digi.geenius.ee 2024 [Tehnikaülikool alustas rohepööret iseendast](#)

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

The analysis of indoor hygrothermal conditions in multi-storey wooden apartment buildings
Kalamees, Targo; Arumägi, Endrik; Ilomets, Simo IEA Annex 55 (RAP-RETRO), Working meeting, Porto, Portugal, 18-20 April 2011 / [17] p

The effect of combining a relative-humidity-sensitive ventilation system with the moisture-buffering capacity of materials on indoor climate and energy efficiency of buildings
Woloszyn, Monika; **Kalamees, Targo;** Abadie, Marc Olivier; Steeman, Marijke; Kalagasidis, Angela Sasic Building and environment 2009 / 3, p. 515-524 : ill <https://www.sciencedirect.com/science/article/pii/S0360132308000772>

The effect of cracks and voids on heat loss of insulated CLT walls and roofs
Hallik, Jaanus; Kalamees, Targo Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 44-45 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

The effect of flanking element length in thermal bridge calculation and possible simplifications to account for combined thermal bridges in well insulated building envelopes
Hallik, Jaanus; Kalamees, Targo Energy and buildings 2021 / art. 111397 <https://doi.org/10.1016/j.enbuild.2021.111397> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effects of production technologies on the air permeability and crack development of cross-laminated timber
Kukk, Villu; Kalamees, Targo; Kers, Jaan Journal of building physics 2019 / p. 171-186 : ill <https://doi.org/10.1177/1744259119866869> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effects of production technologies on the air permeability properties of cross laminated timber
Kukk, Villu; Kers, Jaan; Kalamees, Targo 7th International Building Physics Conference IBPC2018: Healthy, Intelligent and Resilient Buildings and Urban Environments: proceedings : Syracuse, NY, USA, September 23-26, 2018 2018 / p. 349-354 : ill <http://ibpc2018.org/wp-content/uploads/2018/11/FINAL-IBPC2108-Proceedings.pdf>

The Engin : [indoor-outdoor connections]
Kalamees, Targo; Zemitis, Jurgis; Lupišek, Antonin A Guide into Renovation Package Concepts for Mass Retrofit of Different Types of Buildings with Prefabricated Elements for (N)Zeb Performance 2018 / p. 117-120 : ill [Guide into renovation...](#)

The feasibility of zero-emission neighbourhood renovation of apartment buildings in a cold climate
Kertsmik Kadri-Ann; Kalamees, Targo; Arumägi, Endrik; Hallik, Jaanus Building and Environment 2025 / art. 113004 <https://doi.org/10.1016/j.buildenv.2025.113004>

The first year's results from the first passive house in Estonia
Kalamees, Targo; Kuusk, Kalle; Paap, Leena NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 758-765 : ill

The influence of energy renovation on the change of indoor temperature and energy use
Hamburg, Anti; Kalamees, Targo Energies 2018 / art. 3179, p. 1-15 : ill <https://doi.org/10.3390/en1113179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of heat loss from pipes in an unheated basement on the heating energy consumption of an entire typical apartment building
Hamburg, Anti; Kalamees, Targo E3S Web Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) ; 172 2020 / art. 12005 <https://doi.org/10.1051/e3sconf/202017212005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The integration of selected technology to energy activated ETICS - theoretical approach
Heim, Dariusz; Chodak, Ivan; **Ilomets, Simo;** Knera, Dominika; Wieprzkowicz, Anna; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21004, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017221004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The use of microwave method for diagnosis of moisture content of massive dolostone walls of medieval churches
Kurik, Lembit; Kalamees, Targo; Kallavus, Urve ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 189-196 : ill

Thermal bridge effect of vertical diagonal tie connectors in precast concrete sandwich panels : an experimental and computational study
Klõšeiko, Paul; Piir, Reimo; Jeltsov, Marti; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 08001, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017208001>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Thermal performance of two different PV-ETICS integration solutions in a real environment
Heim, Dariusz; Knera, Dominika; Krempski-Smejda, M.; Wieprzkowicz, Anna; **Kalamees, Targo** Journal of Physics: Conference Series 2023 / 8 p <https://doi.org/10.1088/1742-6596/2654/1/012098> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Thermal performance of wedge pile slab foundation without frost protection insulation and highly insulated slab on ground floor – first year measurements
Lomp, Siim; Kalamees, Targo; Hallik, Jaanus; Needo, Roomelt Journal of Physics: Conference Series 2023 / art. 012110 <https://doi.org/10.1088/1742-6596/2654/1/012110> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Towards improving the durability and overall performance of PV-ETICS by application of a PCM layer
Heim, Dariusz; Wieprzkowicz, Anna; Knera, Dominika; **Ilomets, Simo; Kalamees, Targo;** Spitalsky, Zdenko Applied sciences 2021 / art. 4667, 13 p. : ill <https://doi.org/10.3390/app11104667> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TTÜ pereühiselamu lugu : vanast paneelmajast moodsaks liginullenergiahooneks = История семейного общежития ТТУ : современное здание с близким к нулю потреблением энергии из старого панельного дома
Trell, Kristel Elamu 2018 / lk. 10-13, 32-35 : ill https://www.ester.ee/record=b1072137*est https://artiklid.elnet.ee/record=b2865889*est

TTÜ tutvustas ehitajatele laborite kasutamise võimalusi : [ka Tea Varraku, Targo Kalamehe ja Jarek Kurnitski kommentaarid]
Ehitaja 2015 / lk. 24 : fot

12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020
2020 <https://www.e3s-conferences.org/articles/e3sconf/abs/2020/32/contents/contents.html>

Tänapäevane renoveerimine : lodžast saab siseruumi osa = Современная реновация : лоджия может стать частью помещения
Elamu 2017 / lk. 15-18 : ill ; c. 39-42 : ил

The use of an internal airtight membrane in CLT external wall in terms of hygrothermal performance
Kukk, Villu; Kers, Jaan; Kalamees, Targo Journal of physics : conference series 2021 / p. 2-4 : ill <https://doi.org/10.1088/1742-6596/2069/1/012208> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Uuringu "Eesti eluasemefondi suurpaneel-korterelamute ehitustehniline seisukord ning prognoositav eluiga" lõppraporti kokkuvõte
Kalamees, Targo; Liias, Roode Elamu 2009 / 5, lk. 16-19, 56-59 : ill

Uusi büroohooneid ehitatakse kapitaalselt ümber
Kalamees, Targo EhitusEST 2023 / lk. 28-29 : fot https://www.ester.ee/record=b4442657*est

Vaid kompleksne renoveerimine on õnnestumise eelduseks
Kalamees, Targo Elamu 2009 / 6, lk. 32-35, 66-69 : ill

Validation of a simulation model for hygrothermal performance of log wall with internal thermal insulation in cold climate
Arumägi, Endrik; Kalamees, Targo Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 345-352 : ill

Validation of methods for developing typical meteorological years based on future climate models
Seyed Salehi, Seyed Shahabaldin; Männik, Aarne; Kalamees, Targo; Thalfeldt, Martin E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 07002 ; 12 p <https://doi.org/10.1051/e3sconf/202456207002> [Conference proceedings at Scopus](#) [Article at](#)

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation

Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 317-318 : ill

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation [Online resource]

Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 1113-1120 : ill

Vanast paneelmajast saab teadusliku katsega liginullenergiahoone

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

Water vapor generation in residential buildings: comparing probabilistic simulations and field measurements

Glass, Samuel V.; **Kalamees, Targo;** Pallin, S.; Vinha, Juha Thermal performance of the exterior envelopes of whole buildings 2022 / p. 472-482 <https://www.scopus.com/record/display.uri?eid=2-s2.0-85167591181&origin=inward&txGid=6bb7b57e373ee6b64dd8c3c7e54094a1>

Weather exposed CLT construction – observations and improvement concept

Kalbe, Kristo; Kuk, Villu; Kalamees, Targo Forum Wood Building Baltic : proceedings of the II Forum Wood Building Baltic, Riga Technical University Digital Conference, 14-16 April 2021 2021 / p. 84-85 : ill <https://issuu.com/matijsbabris/docs/fwbb2021>

Ventilation Strategies for Deep Energy Renovations of High-Rise Apartment Buildings : Energy Efficiency and Implementation Challenges

Hamburg, Anti; Palmiste, Ülar; Mikola, Alo; Kalamees, Targo Energies 2025 / art. 2785 <https://doi.org/10.3390/en18112785>
<https://www.mdpi.com/1996-1073/18/11/2785>

Ventilation system design in three European geo cluster

Zemitis, Jurgis; Borodinecs, Anatolijs; Geikins, Aleksandrs; **Kalamees, Targo; Kuusk, Kalle** Energy procedia 2016 / p. 285-293 : ill
<https://doi.org/10.1016/j.egypro.2016.09.151> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Wetting circumstances, expected moisture content, and drying performance of CLT end-grain edges based on field measurements and laboratory analysis

Kalbe, Kristo; Kalamees, Targo; Kuk, Villu; Ruus, Aime; Annuk, Alvar Building and environment 2022 / art. 109245
<https://doi.org/10.1016/j.buildenv.2022.109245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Väärtused vanas maamajas

2013

90. juubel: Legendaarne ehitusprofessor Karl Õiger publitseerib ja nõustab

90. juubel: Legendaarne ehitusprofessor Karl Õiger publitseerib ja nõustab

ehitusuudised.ee 2023 [90. juubel: Legendaarne ehitusprofessor Karl Õiger publitseerib ja nõustab](#)

Üleriigiline uuring elamute kasutusest väljalangevusest ja tühjenemise mustritest : lõppraport [Võrguteavik]

Cerrone, Damiano; Hadaway, John; Männigo, Kristjan; Lehtovuori, Panu; **Grišakov, Kristi; Lihtmaa, Lauri; Kalamees, Targo** 2022
https://eehitus.ee/wp-content/uploads/2022/04/Tuhjenemise-mustrid_lopprapprt_2022_compressed.pdf

Ülerõhk siseruumides võib tekitada niiskuseprobleeme

Kalamees, Targo Ehitaja 2001 / 1/2, lk. 33-35 : ill https://artiklid.elnet.ee/record=b1006023*est

Альтернативные теплоизоляционные материалы для зданий с деревянным каркасом

Kalamees, Targo Строитель 2002 / 4, с. 12-15 https://artiklid.elnet.ee/record=b1010942*est

Влияние ограждений на здание и его микроклимат

Kalamees, Targo Строитель 2003 / 4, с. 11-13 : ил https://artiklid.elnet.ee/record=b1014222*est

Избыточное давление во внутренних помещениях может создать проблему с влажностью

Kalamees, Targo Строитель 2001 / 3, с. 23-25 : ил https://artiklid.elnet.ee/record=b1007728*est

Энергетическая реновация типового бетонного жилого дома в Эстонии с использованием деревянного модульного элемента

Kalamees, Targo; Pihelo, Peep; Kuusk, Kalle Строительные материалы 2018 / с. 13–17 : илл <https://doi.org/10.31659/0585-430X-2018-764-10-13-17>