

Analysis of on-site construction processes for effective external thermal insulation composite system (ETICS) installation
Sulakatko, Virgo; Lill, Irene; Liisma, Eneli Procedia economics and finance 2015 / p. 297-305 : ill

Comparison of simplified and detailed window models in energy simulations

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 26-31 : ill

Comparison of simplified and detailed window models in office building energy simulations

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik Energy procedia 2015 / p. 2076-2081 : ill
<http://dx.doi.org/10.1016/j.egypro.2015.11.235>

Cost optimal and nearly zero energy building solutions for office buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek Energy and buildings 2014 / p. 30-42 : ill

Daylight availability and cooling in commercial buildings - the influence of facade design

Voll, Hendrik; Kõiv, Teet-Andrus WSEAS transactions on advances in engineering education 2009 / 9, p. 316-326 : ill

Defect analysis of renovated facade walls with etics solutions in cold climate conditions

Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emlyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 65-66

Defect analysis of renovated facade walls with etics solutions in cold climate conditions [Online resource]

Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emlyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 174-181 : ill

Degradation of imidazolium-based ionic liquids by uv photolysis and pulsed corona discharge combined with persulfate

Nikitin, Dmitri; Preis, Sergei; Dulova, Niina 18th International Conference on Chemistry and the Environment (ICCE 2023), June 11-15, 2023 : Book of abstracts 2023 / p. 394 <https://icce2023.com/wp-content/uploads/2023/06/Book-of-Abstracts.pdf>

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

Distribution of solar irradiance on inclined surfaces due to the plane of the ground

Tomson, Teolan; Voll, Hendrik Journal of power and energy engineering 2014 / p. 1-10 : ill

Doktoritöö: Kesk-Euroopa levinud soojustust tasub Eestis üheksa korda mõõta [Võrguväljaanne]

Harrik, Airika novaator.err.ee 2022 [Doktoritöö: Kesk-Euroopa levinud soojustust tasub Eestis üheksa korda mõõta](https://www.researchgate.net/publication/290428833_Deterioration_of_building_envelope_of_wooden_apartment_buildings_built_before_1940_based_on_external_survey) [Hygrothermal Performance of Masonry Walls Retrofitted with Interior Insulation in Cold Climate = Kiviseinte seespoolse lisasoojustuse soojus- ja niiskustehniline toimivus külmas kliimas](https://www.researchgate.net/publication/290428833_Deterioration_of_building_envelope_of_wooden_apartment_buildings_built_before_1940_based_on_external_survey)

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

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

Energy efficient daylight assessment - the influence of facade design

Voll, Hendrik; Kõiv, Teet-Andrus Selected topics on energy and development-environment-biomedicine 2009 : proceedings of the 3rd International Conference on Energy and Development-Environment-Biomedicine (EDEB 09) 2009 / p. 47-52

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>

External shading control principles for low energy office buildings

Thalfeldt, Martin; Kurnitski, Jarek NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 806-813 : ill

External shading optimal control macros for 1- and 2-piece automated blinds in European climates

Thalfeldt, Martin; Kurnitski, Jarek Building simulation 2015 / p. 13-25 : ill

Facade design principles for nearly zero energy buildings in a cold climate

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy and buildings 2013 / p. 309-321 : ill

Fassaadide võrdlev mõõdistus tahhümeetria, maapealse fotogramm-meetria ja laserskaneerimise teel
Elmi, Liis; Märdla, Silja; Ellmann, Artu Geodeet 2014 / lk. 92-94, 96-101 : ill https://artiklid.elnet.ee/record=b2721043*est

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

Ilste, 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>

Hoonete planeerimine ja fassaadide kujundamine
Voll, Hendrik 2011 http://www.ester.ee/record=b2724889*est

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

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>

Impact of internal heat gain profiles on the design cooling capacity of landscaped offices
Seyed Salehi, Seyed Shahabaldin; Ferrantelli, Andrea; Aljas, Hans Kristjan; Kurnitski, Jarek; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 07003, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124607003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Increasing construction quality of External Thermal Insulation Composite System (ETICS) by revealing on-site degradation factors
Sulakatko, Virgo; Liisma, Eneli; Soekov, Erki Procedia environmental sciences 2017 / p. 765-772 : tab
<https://doi.org/10.1016/j.proenv.2017.03.160>

Inspireeriv Interstudio
Moodne Kodu : AS Ekspress Meedia teema- ja erialalehtede osakonna väljaanne : kuukiri 2022 / Lk. 16
<https://dea.digar.ee/article/eemoodnekodu/2022/11/30/14.1>

Kangaga kaetud hooned : tõusev trend fassaadide maailmas
Poom, Peeter; Neeme, Ergo; Ulla, Kristel; Schutting, Anni Kõik ärikinnisvarast : [ajalehe Äripäev lisa] 2019 / lk. 12-13 : fot
<https://www.aripaev.ee/sisuturundus/2019/04/01/kangaga-kaetud-hooned-tousev-trend-fassaadide-maailmas>

Kivifassaad on kindel, püsiv ja hooldusvaba
Juurvee, Uno Ehitaja 2004 / 3, lk. 76-77

Kommentaar [artiklile: Šungiit - imekivi või ehitusmaterjal? / Mait Eelrand]
Raado, Lembi-Merike; Eelrand, Mait Ehitaja 2005 / 5, lk. 61 https://artiklid.elnet.ee/record=b2013198*est

Kuidas välisvarjestusega (energiat) kokku hoida
Kurnitski, Jarek; Thalfeldt, Martin Inseneeria 2014 / lk. 20-21 : ill

Madalenergia büroohoone fassaadi majandusanalüüs
Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek Ehitaja 2015 / lk. 22-25 : ill

Madalenergia büroohoone fassaadi majandusanalüüs
Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 52-58 : ill

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

Millega tuleb arvestada CLT-paneelidest maju ehitades?
Kukk, Villu Ehitaja 2022 / lk. 42 https://www.ester.ee/record=b1072123*est

Millega tuleb arvestada Eestis CLT-paneelidest maju ehitades? [Võrguväljaanne]

ehitusuudised.ee 2022 [Millega tuleb arvestada Eestis CLT-paneelidest maju ehitades?](#)

Modelling construction process impact factors on degradation of thin rendered facades = Ehitusprotsessi mõjufaktorite modelleerimine õhekrohv fassaadide lagunemisel = Methode zur Bewertung der Relevanz von beeinflussenden Faktoren im Bauprozess auf die Mängelfreiheit von Wärmedämmverbundsystemen
Sulakatko, Virgo 2019 <https://digi.lib.ttu.ee/i/?11575>

Natural weathering of bio-based façade materials

Alao, Percy Festus; Visnapuu, Kevin; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan Forests 2020 / art. 642, 12 p. : ill
<https://doi.org/10.3390/f11060642> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Niiskusturvalisus on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades? [Võrguväljaanne]

digi.geenius.ee 2022 on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades? <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7>

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>

Optimization of office building facades in a warm summer continental climate

Hani, Allan; Kõiv, Teet-Andrus Smart grid and renewable energy 2012 / p. 222-230 : ill
https://www.scirp.org/pdf/sgre20120300008_98662255.pdf

Performance of a building integrated semitransparent photovoltaic facade on a residential house in Northern Europe

Jagomägi, Andri; Wimmer, Andreas; Thalfeldt, Martin EU PVSEC 2017 : 33rd European Photovoltaic Solar Energy Conference and Exhibition : 25-29 September 2017, Amsterdam, The Netherlands 2017 / p. 2537-2547
<http://dx.doi.org/10.4229/EUPVSEC20172017-6BV.3.46>

POLYALPAN - üks võimalik fassaadikattematerjal

Õiger, Karl Ehituskaar 1997 / 10, lk. 14-16: ill

Polyalpan - üks võimalik fassaadikattematerjal

Õiger, Karl Ehitaja 1998 / lk. 20-21: ill https://www.ester.ee/record=b1072123*est

Päikesepaneelid seinale ja katusele - las maja ise toodab elektrit!

Einama, Kaido postimees.ee 2022 / lk. 11 : fot [Päikesepaneelid seinale ja katusele – las maja ise toodab elektrit!](#)

Ristkihtliimpuidust paneel – kas tulevikus Eestis levinud ehitusmaterjal? [Võrguväljaanne]

postimees.ee 2022 [Ristkihtliimpuidust paneel – kas tulevikus Eestis levinud ehitusmaterjal?](#)

Selection of the insulation materials for refurbishment purposes

Lill, Irene; Kanapeckiene, Loreta; Tupenaite, Laura; Naimaviciene, Jurga Engineering structures and technologies 2017 / p. 104-115 : ill <https://doi.org/10.3846/2029882X.2017.1339296>

Solar radiation-based method for early design stages to balance daylight and thermal comfort in office buildings

Sepulveda Luque, Abel; Seyed Salehi, Seyed Shahabaldin; De Luca, Francesco; Thalfeldt, Martin Frontiers of architectural research 2023 <https://doi.org/10.1016/j.foar.2023.07.001>

Tallinna Kunstihoone 1934-1940 : ehitamine ja arhitektuur = Tallinn Art Hall 1934-1940 : construction and architecture

Hallas-Murula, Karin 2014 https://www.ester.ee/record=b4411143*est

Tallinna punased tornmajad lagunevad : [TTÜ professor Karl Õiger kortermajade seisukorrast]

Aljas, Riin Eesti Päevaleht 2013 / lk. 6

TalTechi vanemteadur valmistas seadme, mis avar dab oluliselt roheenergia kasutusvõimalusi [Online resource]

rohe.geenius.ee 2022 ["TalTechi vanemteadur valmistas seadme, mis avar dab oluliselt roheenergia kasutusvõimalusi"](#)

Tehases toodetud valmiselemendid annavad renoveerimisele kiirema käigu

Vilk, Urve Äripäev 2020 / Lk. 8, 10-11 <https://dea.digar.ee/publication/aripaev>

Tehnikaülikoolis loodud uudne muundur liidab erinevad päikeseelektri tehnoloogiad ühte võrku [Võrguväljaanne]

postimees.ee 2022 ["Tehnikaülikoolis loodud uudne muundur liidab erinevad päikeseelektri tehnoloogiad ühte võrku"](#)

The effect of moisture content of insulation boards on the adhesion strenght of ETICS

Liisma, Eneli; Raado, Lembi-Merike; Lumi, Silver; Lill, Irene; Sulakatko, Virgo Recent advances in civil engineering and mechanics : [proceedings of the 5th ECCIE'14, 2nd CEM'14, 2nd OTENG'14 : Florence, Italy, November 22-24, 2014] 2014 / p. 103-

The effect of temperature and humidity on the permanence of external thermal insulation composite systems

Liisma, Eneli; Lõhmus, Gert; Raado, Lembi-Merike Procedia engineering 2015 / p. 340-348 : ill

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 problems in the use of limestone together with timber in facades

Kallavus, Urve Proceedings of the Baltic Symposium on Indoor Air Quality and Building Physics : a satellite conference of Healthy Buildings 2000, August 6-10, 2000, Espoo, Finland : Tallinn Technical University, Estonia, 11-12 August, 2000 2000 / p. 98-103 : ill

Total economy of energy-efficient office building facades in a cold climate = Külmas kliimas asuvate energiatõhusate büroohoonete fassaadi energia- ja majandusanalüüs

Thalfeldt, Martin 2016 <https://digi.lib.ttu.ee/i/74068>

Total economy of windows and facades in low energy office buildings

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik; Pikas, Ergo The REHVA European HVAC journal 2014 / p. 19-24 : ill

Towards Nearly Zero-Energy Buildings through analyzing reasons for degradation of facades

Sulakatko, Virgo; Lill, Irene; Soekov, Erki; Arhipova, Riina; Witt, Emlyn David Qivitoq; Liisma, Eneli Procedia economics and finance 2014 / p. 592-600 : ill

Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy 2017 / p. 685-697 : ill

<https://doi.org/10.1016/j.energy.2017.06.160>

Кирпичный фасад : прочно, надежно и никаких забот

Juurvee, Uno Строитель 2004 / 2, с. 30-31 : ил

Фасадная керамика на базе глин Латвийской ССР

Kisis, Elina 1956

Фасадная керамика на базе глин Латвийской ССР

Kisis, Elina 1956 http://www.ester.ee/record=b2154813*est