

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 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](#)

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>

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>

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> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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)

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](#)

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>

RENOVEERIMISVEAD : Madal sokkel – sinu kodu vundamenti varitseb niiskusoht. Kuidas kahjustusi ennetada?

Martin, Anni delfi.ee 2025 <https://moodnekodu.delfi.ee/artikkel/120362925/renoveerimisvead-madal-sokkel-sinu-kodu-vundamenti-varitseb-niiskusoht-kuidas-kahjustusi-ennetada>

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](#)