

## Peer-reviewed conference articles

### 2019

Ruusala, A, Laukkarinen, A & Vinha, J 2019, **Comparison between calculated and billed building energy consumption values of schools and daycare centers**, MATEC Web of Conferences, vol. 282, 02085.

Tuominen, E, Tuominen, O, Vainio, M, Ruuska, T & Vinha, J 2019, **Thermal and moisture properties of calcium silicate insulation boards**, MATEC Web of Conferences, vol. 282, 02065.

Tuominen, E, Vinha, J & Raunima, T 2019, **Behavior of capacitive humidity sensors in monitoring the drying of concrete walls**, MATEC Web of Conferences, vol. 282, 02053.

Jokisalo, J., Sankelo, P., Vinha, J., Sirén, K. & Kosonen, R. 2019. **Cost optimal energy performance renovation measures in a municipal service building in a cold climate**. in CLIMA 2019 Congress: Bucharest, Romania, May 26-29, 2019. E3S Web of Conferences, vol. 111, EDP Sciences, REHVA World Congress, Bucharest, Romania, 26/05/19.

Vinha, J, Piironen, J & Kiviste, M 2018, **Impacts of Energy Efficient Constant Output Heating on the Moisture Conditions of Unoccupied Summer Cottages in Finland**. in Cold Climate HVAC 2018: Sustainable Buildings in Cold Climates. Springer Proceedings in Energy, Springer, pp. 79-86, Cold Climate HVAC conference, Kiruna, Sweden, 12/03/18.

### 2018

Marttila, T., Annala, P., Suonketo, J., Vinha, J. & Hyvärinen, A. 2018. **Updated Constructional Guidelines for Implementation of Healthy Building in Remediation in Finland**. Proceedings of the 15th Conference of the International Society of Indoor Air Quality & Climate (ISIAQ), Indoor Air 2018, Philadelphia, PA, USA, July 22–27, 2 p.

### 2016

Haverinen-Shaughnessy, U., Pekkonen, M., Turunen, M., Aaltonen, A. & Leivo, V. 2016. **Building energy retrofits, occupant health and wellbeing**. CIB World Building Congress 2016 Proceedings: Volume 2 Environmental Opportunities and challenges - Constructing commitment and acknowledging human experiences. Vol. 2, p. 679–687.

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy, U. 2016. **The effects of improved energy efficiency on indoor environmental quality in multi-family buildings.** Indoor Air 2016: The 14th international conference of Indoor Air Quality and Climate Ghent, Belgium July 3–8 2016. 737.

Leivo, V., Aaltonen, A., Turunen, M., Du, L., Kiviste, M. & Haverinen-Shaughnessy, U. 2016. **Ventilation rates and CO<sub>2</sub>-levels before and after energy retrofit in Finnish apartment buildings.** CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering: Volume 1. 192. Building Retrofit.

Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M. & Haverinen-Shaughnessy, U. 2016. **Ventilation rates before and after energy retrofit in multi-family buildings in Finland.** Indoor Air 2016: The 14th international conference of Indoor Air Quality and Climate. Ghent, Belgium, July 3–8 2016. 764

## 2015

Du, L., Leivo, V., Kiviste, M., Martuzevicius, D., Turunen, M., Prasauskas, T. & Haverinen-Shaughnessy, U. 2015. **Development of an assesment protocol: the impact of energy retrofits on indoor environmental quality and public health in the existing building stock.** Healthy Buildings 2015 Europe HB2015. International Society for Indoor Air Quality and Climate.

Martuzevicius, D., Prasauskas, T., Du, L., Täubel, M., Leivo, V., Kiviste, M. & Haverinen-Shaughnessy, U. 2015. **Energy efficient Modernization of Housing Stock: Demonstration of Impacts on Indoor Environmental Quality in Northern Europe.** Healthy Buildings Europe HB2015. International Society for Indoor Air Quality and Climate.

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Leivo, V., Kiviste, M., Aaltonen, A., Turunen, M. & Haverinen-Shaughnessy U. 2015. **Air pressure difference between indoor and outdoor or staircase in multi-family buildings**

**with exhaust ventilation system in Finland.** 6th International Building Physics Conference, IBPC 2015.

Du, L., Leivo, V., Prasauskas, T., Turunen, M., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy U. 2015. **Energy retrofits in multi-family buildings in north-east Europe: the impacts on thermal conditions.** 6th International Building Physics Conference, IBPC 2015.

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Leivo, V., Haverinen-Shaughnessy, U., Martuzevicius, D., Prasauskas, T., Kiviste, M., Turunen, M., Pekkonen, M. & Aaltonen, A. 2014. **Assesment protocol development: impacts of energy efficiency on indoor environmental quality in multi-family builings.** World Sustainable Building Conference SB 14. October 28–30, 2014, Barcelona, Spain. 6 pages.

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy, U. 2014. **Building Energy-efficiency Interventions in North-East Europe: Effects on Indoor Environmental Quality and Public Health.** The 13th International Conference on Indoor Air Quality and Climate (Indoor Air) 2014. July 7–12, 2014, Hong Kong: International Society for Indoor Air Quality and Climate.

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## 2013

Huttunen, P. & Vinha, J. 2013. **Effect of natural convection on the thermal transmittance of exterior walls with air-permeable insulation.** Proceedings of Thermal Performance of the Exterior Envelopes of Whole Buildings XII, Clearwater Beach, Florida, USA, December 1–5. Session VII, 10 p.

Kiviste, M., Lindberg, R. & Leivo, V. 2013. **Effect of solar radiation on thermal performance of external wall structures based on long-term measured data.** Proceedings of the 6th international scientific conference Rural Development 2013: Innovations and Sustainability, November 28–29, 2013, Kaunas: Aleksandras Stulginskis University, Lithuania.

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Kiviste, M., Lindberg, R. & Leivo, V. 2013. **Improving calculations of building energy consumption based on ten year measured data.** Proceedings (volume 12) of the 12th International Scientific Conference Engineering for Rural Development. May 23–24, 2013, Jelgava, Latvia.

Kiviste, M., Leivo, V., Haverinen-Shaughnessy, U., Aaltonen, A. & Martuzevicius, D. 2013. **Sustainable Renovation in Urban Environment: Current Situation in Finnish Case Study Buildings.** Proceedings of Conference SB13 Oulu: Sustainable Procurement in Urban Regeneration and Renovation, May 21–25, 2013, Oulu, Finland.

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Martuzevicius, D., Prasauskas T., Turunen M., Krugly E., Seduikyte L., Täubel M., Leivo V. & Haverinen-Shaughnessy, U. 2011. **Assessment of PM Levels in the Process of Energy Efficiency Improvement of Apartment Buildings: Measurement Approach in INSULAtE Project**. NOSA2011 conference, 9–11 November. Tampere.

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