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Employment

Research outputs

Comfort of Domestic Water in Residential Buildings: Flow, Temperature and Energy in Draw-Off Points: Field Study in Two Danish Detached Houses

Marszal-Pomianowska, A., Jensen, R. L., Pomianowski, M. Z., Larsen, O. K., Scharling Jørgense, J. & Sand Knudsen, S., 4 Jun 2021, In: Energies. 14, 11, p. 1-20 20 p., 3314.

Totalværdimetode: En manual til anvendelse hos boligorganisationer

Larsen, O. K., Marszal-Pomianowska, A., Heiselberg, P. & Haugbølle, K., May 2021, Kbh.: Institut for Byggeri, By og Miljø (BUILD), Aalborg Universitet. 85 p. (BUILD Rapport; No. 2021:09).

Kvalificeret beslutningsgrundlag og dokumenteret værdi

Larsen, O. K. & Sandersen, C. R., 20 Apr 2021

Evaluating the different boundary conditions to simulate airflow and heat transfer in Double-Skin Facade

Ahmadi, J., Mahdaveinejad, M., Larsen, O. K., Zhang, C., Zarkesh, A. & Asadi, S., 2021, (Accepted/In press) In: Building Simulation.

Skab større værdi i renoveringerne

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Framing Holistic Indoor Environment: Definitions of Comfort, Health, and Well-being

Rohde, L., Larsen, T. S., Jensen, R. L. & Larsen, O. K., 1 Oct 2020, In: Indoor and Built Environment. 29, 8, p. 1118-1136 19 p., BAE-D-18-02191.

Holistic indoor environmental quality assessment as a driver in early building design

Rohde, L., Jensen, R. L., Larsen, O. K., Jønsson, K. T. & Larsen, T. S., 4 Jun 2020, (E-pub ahead of print) In: Building Research and Information.

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Study of thermochromic glass performance in the Danish climate and visual comfort perspectives

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Study of thermochromic glass performance in the Danish climate and visual comfort perspectives

Imbert, P., Larsen, O. K. & Johra, H., Sep 2019. 1 p.

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Rohde, L., Larsen, T. S., Jensen, R. L. & Larsen, O. K., 2019, Aalborg: Department of Civil Engineering, Aalborg University. 32 p. (DCE Technical Reports; No. 269).

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High resolution measuring system for domestic hot water consumption. Development and field test

Marszal, A. J., Valeva, B. T., Georgieva, V. V., Larsen, O. K., Jensen, R. L. & Zhang, C., 2019, In: Energy Procedia. 158, February 2019, p. 2859-2864 6 p.

Study of thermochromic glass performance in the Danish climate and visual comfort perspectives

Imbert, P., Larsen, O. K. & Johra, H., 2019, *CISBAT 2019 International Conference: Climate Resilient Cities, Energy Efficiency & Renewables in the Digital Era*. 1 ed. Vol. 1343. 012197. (Journal of Physics: Conference Series (Online)).

Computational performance prediction of Double-Skin Ventilated Facade

Larsen, O. K. & Liu, M., 2018, *Booklet 3.2 Building Performance Simulation and Characterisation of Adaptive Facades : Adaptive Facade Network*. Favoino, F., Loonen, R. C. G. M., Doya, M., Goia, F., Bedon, C. & Babich, F. (eds.). Delft: TU Delft Open, p. 89-93

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Giancola, E., Sánchez, M. N., Friedrich, M., Larsen, O. K., Nocente, A., Avesani, S., Babich, F. & Goia, F., 2018, In: Journal of Facade Design and Engineering. 6, 3, p. 34-48

Naturally ventilated double-skin façade in modeling and experiments

Dama, A., Angeli, D. & Larsen, O. K., Jun 2017, In: Energy and Buildings. 144, p. 17–29

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Larsen, O. K., Jensen, R. L., Strømberg, I. K. & Antonsen, T. N., 2017, In: Energy Procedia. 122, p. 733-738

Investigation of Different Configurations of a Ventilated Window to Optimize Both Energy Efficiency and Thermal Comfort

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Larsen, O. K., Heiselberg, P. & Jensen, R. L., 2014, Aalborg: Department of Civil Engineering, Aalborg University. 23 p. (DCE Technical Memorandum; No. 38).

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An Intelligent Window for Optimal Ventilation and Minimum Thermal Loss: Prototype of Combined Solar Shading or Night Blind Element

Larsen, O. K. & Heiselberg, P., 2011, European Commission. 12 p.

Investigation of Ventilation Strategies for the Day-Care Institutions

Larsen, O. K., Afshari, A. & Heiselberg, P., 2011, *Proceedings of the 9th Nordic Symposium on Building Physics: NSB 2011*. Vinha, J., Piironen, J. & Salminen, K. (eds.). Tampere, Finland: Tampere University Press, Vol. Volume 3. p. 1253-1260 8 p.

Investigation of Ventilation Strategies for the Day-Care Institutions

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3rd Semester and Master's Thesis Ideas 2010: M.Sc. in Indoor Environmental Engineering

Jensen, R. L., Heiselberg, P., Brohus, H. & Larsen, O. K., 2010, Aalborg: Department of Civil Engineering, Aalborg University, 29 p. (DCE Latest News; No. 13).

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An Empirical Validation of Building Simulation Software for Modelling of Double-Skin Facade (DSF)

Larsen, O. K., Heiselberg, P., Felsmann, C., Poirazis, H., Strachan, P. & Wijsman, A., 2009, *Building Simulation 2009 : University of Strathclyde, Glasgow, 27th-30th July: Proceedings of the 11th International Building Performance Simulation Association Conference*. Strachan, P. A., Kelly, N. J. & Kummert, M. (eds.). Energy Systems Research Unit : University of Strathclyde, 8 p.

BSim Models for 2 Case-studies of Naturally and Mechanically Ventilated Daycare Institutions: Project: Energibesparelser i børneinstitutioner ved valg af den optimale ventilationstekniske løsning tilpasset konkretesituationer

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Varmebehov og varmekonsum: Dobbelte Glasfacader

Kalyanova, O. & Heiselberg, P., 2009, *Varme Ståbi*[®]. Lauritsen, A. B. (ed.). 5 ed. København: Nyt Teknisk Forlag, p. 131-142 12 p.

BSim Modeler Report: Empirical Validation of Building Simulation Software : Technical Report IEA ECBCS Annex43/SHC Task 34 Validation of Building Energy Simulation Tools : Subtask E

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Data Set for Empirical Validation of Double Skin Facade Model

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Experimental Set-up and Full-scale measurements in the 'Cube'

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Final Empirical Test Case Specification: Test Case DSF100_e and DSF200_e IEA ECBCS Annex43/SHC Task 34 Validation of Building Energy Simulation Tools

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Measurement and Modelling of Air Flow Rate in a Naturally Ventilated Double Skin Facade

Heiselberg, P., Kalyanova, O. & Jensen, R. L., 2008, *The First International Conference on Building Energy and Environment*. Liu, J., Zhang, T. & Zhai, Z.J. (eds.). Tianjin University and Dalian University of Technology, 9 p.

Measurement and Modelling of Air Flow Rate in a Naturally Ventilated Double Skin Façade

Heiselberg, P., Kalyanova, O. & Jensen, R. L., 2008, *The First International Conference on Building Energy and Environment: Abstracts*. Liu, J., Zhu, N. & Zhang, T. (eds.). Tianjin University and Dalian University of Technology, p. 263
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Comparative Test Case Specification

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Empirical Validation of Building Simulation Software: Modelling of Double Facades

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Measurement of Air Flow Rate in a Naturally Ventilated Double Skin Facade

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Measuring Air Temperature in Glazed Ventilated Facades in the Presence of Direct Solar Radiation

Kalyanova, O., Zanghirella, F., Heiselberg, P., Perino, M. & Jensen, R. L., 2007, *Proceedings of Roomvent 2007*. Seppänen, O. & Säteri, J. (eds.). FINVAC ry, 10 p.

Measuring air temperature in glazed ventilated façades in the presence of direct solar radiation

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Modellering af dobbeltfacader i BSim: Facadens udformning er helt afgørende for, om energirammen kan overholdes

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On the Use of Hot-Sphere Anemometers in a Highly Transient Flow in a Double-Skin Facade

Jensen, R. L., Kalyanova, O. & Hyldgård, C-E., 2007, *Proceedings of Roomvent 2007: Helsinki 13-15 June 2007*. Seppänen, O. & Säteri, J. (eds.). FINVAC ry

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Jensen, R. L., Kalyanova, O. & Hyldgård, C-E., 2007. 1 p.

The Cube

Kalyanova, O., 2007, In: VENTInet. 19, p. 4-5

A New Test Facility at the Center for Hybrid Ventilation

Kalyanova, O., 2006, In: VENTInet. 16, p. 1-2 2 p.

Comparative Test Case Specification: Test Cases DSF200_3 and DSF200_4 : IEA ECBCS Annex43/SHC Task 34 : Validation of Building Energy Simulation Tools

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Empirical Test Case Specification: Test Case DSF200_e : IEA ECBCS Annex43/SHC Task 34 : Validation of Building Energy Simulation Tools

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Indeklimaundersøgelse hos Københavns Energi: foretaget i perioden 1. juli 2005 - 30. juni 2006

Larsen, T. S., Jensen, R. L., Kalyanova, O. & Heiselberg, P., 2006, Aalborg: Department of Civil Engineering, Aalborg University. 64 p. (DCE Technical reports; No. 13).

Klimaterning giver ny viden om ventilation: Ny forsøgsbygning ved Center for Hybrid Ventilation, Aalborg Universitet

Kalyanova, O. & Jensen, R. L., 2006, In: H V A C Magasinet. 42, 4, p. 50-51 2 p.

Ny forsøgsbygning ved Center for Hybrid Ventilation

Kalyanova, O. & Jensen, R. L., 2006, In: H V A C Magasinet. 4

Comparative Test Case Specification – Test Cases DSF100_2 and DSF400_3: Report for IEA ECBCS Annex 43/SHC Task 34 Validation of Building Energy Simulation Tools

Kalyanova, O. & Heiselberg, P. K., 2005, Aalborg: Institut for Bygningsteknik, Aalborg Universitet. 28 p. (Aalborg Universitet. Institutet for Bygningsteknik. R; No. R0512).

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Literature Review of Double Skin Facades Modelling Approaches: Report for IEA ECBCS Annex 43/SHC Task 34 Validation of Building Energy Simulation Tools

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Activities

Skab større værdi i renoveringerne

Olena Kalyanova Larsen (Lecturer)

2021

REBUS Workshop – Demonstration af Totalværdi metode

Olena Kalyanova Larsen (Organizer), Anna Marszal-Pomianowska (Organizer) & Kim Haugbølle (Organizer)

10 Dec 2020

Hvad er den rette investering, når man skal renovere?

Olena Kalyanova Larsen (Lecturer)

7 Oct 2020

Totalværdi som parameter, når der skal vælges renoveringsstrategier

Olena Kalyanova Larsen (Lecturer)

7 Oct 2020

The 9th Nordic Symposium on Building Physics (NSB 2011)

Olena Kalyanova Larsen (Speaker)
29 May 2011 → 2 Jun 2011

Workshop on FULL SCALE TEST FACILITIES FOR EVALUATION of ENERGY/HYGROTHERMAL PERFORMANCES

Olena Kalyanova Larsen (Speaker)
30 Mar 2011 → 31 Mar 2011

Nordic Symposium on Building Physics

Olena Kalyanova Larsen (Speaker)
16 Jun 2008 → 18 Jun 2008

Nordic Symposium on Building Physics

Olena Kalyanova Larsen (Speaker)
16 Jun 2008 → 18 Jun 2008

Forskningens Dag : Institut for Byggeri og Anlæg

Olena Kalyanova Larsen (Speaker)
8 Jan 2008

The International Conference on Air Distribution in Rooms, Roomvent

Olena Kalyanova Larsen (Speaker)
13 Jun 2007 → 15 Jun 2007

The International Conference on Air Distribution in Rooms, Roomvent

Olena Kalyanova Larsen (Speaker)
13 Jun 2007 → 15 Jun 2007

Press/Media

Ph.d.

Olena Kalyanova Larsen
31/10/2008
1 item of Media coverage

Projects

Adaptive Facade Network

Larsen, O. K., Heiselberg, P. & Liu, M.
28/10/2014 → 28/10/2018

Double-Skin Facade : Modelling and Experimental Investigations of Thermal Performance

Larsen, O. K. & Heiselberg, P.
<ingen navn>
04/09/2008 → 04/09/2008

EDYCE: Energy Flexible Dynamic Building Certification

Pomianowski, M. Z., Larsen, O. K., Hu, Y., Wittchen, K. B., Pereira, D. H. L. E. & Bock, A. R.
01/09/2020 → 31/08/2023

IEA – SHC Task 34/ECBCS Annex 43: Testing and Validation of Building Energy Simulation Tools

Larsen, O. K. & Heiselberg, P.
<ingen navn>

02/01/2004 → 31/12/2007

Implementation of REBUS total value method in LCCbyg

Haugbølle, K., Larsen, O. K., Heiselberg, P., Scheutz, P., Mahdi, V. & Marszal-Pomianowska, A.
01/10/2018 → 31/12/2020

I-DIFFER: Integrated Solution - Double Skin Facade and Diffuse Ceiling Ventilation for School Renovation

Larsen, O. K., Zhang, C., Johra, H. & Hu, Y.
01/02/2021 → 31/01/2024

REBUS - RENovating Buildings Sustainably

Heiselberg, P., Larsen, T. S., Jensen, R. L., Larsen, O. K., Rohde, L., Knudsen, H. N., Mortensen, L. H., Aggerholm, S., Wittchen, K. B., Wyke, S. C. S., Sørensen, C. G. & Kragh, J.
15/03/2016 → 14/03/2020

Udvikling af Integreerede Modeller for Multifunktionelle Facader

Heiselberg, P. & Larsen, O. K.
Danish Society of Heating, Ventilating, and Air-Conditioning Engineers
01/10/2004 → 30/09/2007