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## Ansættelse

## Publikationer

### **Exploring the potential of combining diffuse ceiling and double-skin facade for school renovations**

Schaffer, M., Bugenings, L. A., Larsen, O. K. & Zhang, C., maj 2023, I: *Building and Environment*. 235, 110199.

### **Double-skin façade simulation with computational fluid dynamics: A review of simulation trends, validation methods and research gaps**

Melgaard, S. P., Nikolaisson, I. T., Zhang, C., Johra, H. & Larsen, O. K., 2023, (Accepteret/In press) I: *Building Simulation*.

### **Helhedsorienteret og skånsom energi- og indeklimareovering**

Tranholm, G. T., Larsen, O. K., Andersen, A., Zhang, C., Hu, Y., Thomsen, L. & Kappel, N., feb. 2022, I: *HVAC magasinet : magasin for klima- & energiteknik, miljø, bygningsinstallationer & -netværk*. 58, 2, s. 60-62 3 s.

### **A novel solution for school renovations: Combining diffuse ceiling ventilation with double skin facade**

Bugenings, L. A., Schaffer, M., Larsen, O. K. & Zhang, C., jan. 2022, I: *Journal of Building Engineering*. 49, 104026.

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

Ahmadi, J., Mahdavejad, M., Larsen, O. K., Zhang, C., Zarkesh, A. & Asadi, S., 2022, I: *Building Simulation*. 15, 5, s. 799–815 17 s.

### **Modelling naturally ventilated double skin facade in Modelica**

Dama, A., del Ser, J. V., Zanetti, E., Casella, F. & Larsen, O. K., 2022, *Proceedings of Building Simulation 2021: 17th Conference of IBPSA*. Saelens, D., Laverge, J., Boydens, W. & Helsen, L. (red.). International Building Performance Simulation Association, s. 1429-1436 8 s. 30335. (Building Simulation Conference proceedings, Bind 2021).

### **Domestic hot water system in residential buildings: Production, distribution and consumption energy loss. Monitoring campaign in two Danish detached houses**

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### **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 Jørgensen, J. & Sand Knudsen, S., 4 jun. 2021, I: *Energies*. 14, 11, s. 1-20 20 s., 3314.

### **Totalværdimetode: En manual til anvendelse hos boligorganisationer**

Larsen, O. K., Marszal-Pomianowska, A., Heiselberg, P. & Haugbølle, K., maj 2021, Kbh.: Institut for Byggeri, By og Miljø (BUILD), Aalborg Universitet. 85 s. (BUILD Rapport; Nr. 2021:09).

### **Kvalificeret beslutningsgrundlag og dokumenteret værdi**

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

### **Convective heat transfer coefficients in cavities: a review of correlations for modelling double skin facades**

Lucchino, E. C., Larsen, O. K. & Goia, F., 2021.

**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., 2021, I: Building Research and Information. 49, 4, s. 460-481

**Skab større værdi i renoveringerne**

Larsen, O. K., 2021

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

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19 s., BAE-D-18-02191.

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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 s.

**Comparison of Five Leading Sustainable Building Certifications Concerning Indoor Environmental Assessment Content**

Rohde, L., Larsen, T. S., Jensen, R. L. & Larsen, O. K., 2019, Aalborg: Department of Civil Engineering, Aalborg University. 32 s. (DCE Technical Reports; Nr. 269).

**Description of the Double Skin Façade Full-Scale Test Facilities of Aalborg University**

Johra, H., Larsen, O. K., Zhang, C., Nikolaisson, I. T. & Melgaard, S. P., 2019, Aalborg: Department of Civil Engineering, Aalborg University. 40 s. (DCE Technical Reports; Nr. 287).

**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, I: Energy Procedia. 158, February 2019, s. 2859-2864 6 s.

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

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Larsen, O. K., Heiselberg, P. & Jensen, R. L., 2014, Aalborg: Department of Civil Engineering, Aalborg University. 23 s. (DCE Technical Memorandum; Nr. 38).

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**An Intelligent Window for Optimal Ventilation and Minimum Thermal Loss: Window Frame Construction Including Glazing Type and Pane Configuration**

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**Ny forsøgsbygning ved Center for Hybrid Ventilation**

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## **Aktiviteter**

### **Skab større værdi i renoveringerne**

Olena Kalyanova Larsen (Foredragsholder)  
2021

### **REBUS Workshop – Demonstration af Totalværdi metode**

Olena Kalyanova Larsen (Arrangør), Anna Marszal-Pomianowska (Arrangør) & Kim Haugbølle (Arrangør)  
10 dec. 2020

### **Hvad er den rette investering, når man skal renovere?**

Olena Kalyanova Larsen (Foredragsholder)  
7 okt. 2020

### **Totalværdi som parameter, når der skal vælges renoveringsstrategier**

Olena Kalyanova Larsen (Foredragsholder)  
7 okt. 2020

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

Olena Kalyanova Larsen (Oplægsholder)  
29 maj 2011 → 2 jun. 2011

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

Olena Kalyanova Larsen (Oplægsholder)  
30 mar. 2011 → 31 mar. 2011

### **Nordic Symposium on Building Physics**

Olena Kalyanova Larsen (Oplægsholder)  
16 jun. 2008 → 18 jun. 2008

### **Nordic Symposium on Building Physics**

Olena Kalyanova Larsen (Oplægsholder)  
16 jun. 2008 → 18 jun. 2008

### **Forskningens Dag : Institut for Byggeri og Anlæg**

Olena Kalyanova Larsen (Oplægsholder)  
8 jan. 2008

### **The International Conference on Air Distribution in Rooms, Roomvent**

Olena Kalyanova Larsen (Oplægsholder)  
13 jun. 2007 → 15 jun. 2007

### **The International Conference on Air Distribution in Rooms, Roomvent**

Olena Kalyanova Larsen (Oplægsholder)  
13 jun. 2007 → 15 jun. 2007

## **Presse/medie**

### **Ph.d.**

Olena Kalyanova Larsen  
31/10/2008  
1 element af Mediedækning



## Projekter

### **Adaptive Facade Network**

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

### **EDYCE: Energy Flexible Dynamic Building Certification**

Pomianowski, M. Z., Larsen, O. K., Hu, Y., Wittchen, K. B., Pereira, D. H. L. E. & Rommerdahl Bock, A.  
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### **IEA – SHC Task 34/ECBCS Annex 43: Testing and Validation of Building Energy Simulation Tools**

Larsen, O. K. & Heiselberg, P. K.  
<ingen navn>  
02/01/2004 → 31/12/2007

### **Implementering af REBUS totalværdimetode i LCCbyg**

Haugbølle, K., Larsen, O. K., Heiselberg, P. K., Scheutz, P., Mahdi, V. & Marszal-Pomianowska, A.  
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### **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

### **PhD Project: Double-Skin Facade : Modelling and Experimental Investigations of Thermal Performance**

Larsen, O. K. & Heiselberg, P. K.  
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04/09/2008 → 04/09/2008

### **REBUS - Bæredygtige bygningsrenoveringer**

Pedersen, A., Heiselberg, P. K., 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.  
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### **Udvikling af Integreerede Modeller for Multifunktionelle Facader**

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