

Rikard Sundling  
Division of Construction Management  
LTH Profile Area: Circular Building Sector  
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## Qualifications

Construction Management, Master of science of Civil Engineering

## Employment

### Associate senior lecturer

Division of Construction Management  
Lund University  
Sweden  
2016 Mar 22 → present

### Profile area member

LTH Profile Area: Circular Building Sector  
Lund University  
Sweden  
2022 Jun 28 → present

## Research outputs

### Circular economy competencies in Swedish architecture and civil engineering education

Vergani, F., Lisco, M. & Sundling, R., 2024 Sept 5, *12th Nordic Conference on Construction Economics and Organisation*. IOP Publishing, Vol. 1389. 1389. (IOP Conference Series: Earth and Environmental Science).

### Ecosystems and Reuse of Building Materials: An Exploratory Study

Vergani, F., Sundling, R. & Martinez, C., 2023, *SDGs in Construction Economics and Organization: The 11th Nordic Conference on Construction Economics and Organisation (CREON), May 18-20, 2022*. Lindahl, G. & Gottlieb, S. C. (eds.). Springer, p. 121-135

### Probabilistic risk analysis and building performance simulations: Building design optimisation and quantifying stakeholder consequences

Ekström, T., Sundling, R., Burke, S. & Harderup, L. E., 2021 Dec 1, In: *Energy and Buildings*. 252, 111434.

### Why are we not renovating more? An elaboration of the wicked problem of renovating apartment buildings

Sundling, R. & Szentes, H., 2021, In: *Civil Engineering and Environmental Systems*. 38, 3, p. 197-221 25 p.

### Proposed method for Probabilistic Energy Simulations for Multifamily Dwellings

Burke, S., Carling, P., Davidsson, H., Davidsson, K., Ekström, T., Harderup, L.-E., Kronvall, J., Sahlin, P., Sundling, R. & Wiktorsson, M., 2020, (Submitted) *12th Nordic Symposium on Building Physics (NSB 2020)*. 25011. (E3S Web of Conferences; vol. 172).

### A development process for extending buildings vertically – based on a case study of four extended buildings

Sundling, R., 2019, In: *Construction Innovation*. 19, 3, p. 367-385

### **Enabling energy-efficient renovation: the case of vertical extension to buildings**

Sundling, R., Blomsterberg, Å. & Landin, A., 2019, In: Construction Innovation. 19, 1, p. 2-14

### **Factors influencing the outcome of renovation projects**

Sundling, R., 2019, Lund: Byggproduktion, Lunds Universitet. 91 p.

### **Lifecycle profit analysis of prefabricated multi-active façades**

Sundling, R., Olander, S., Wallentén, P., Burke, S., Bernardo, R. & Blomsterberg, Å., 2019, In: International Journal of Building Pathology and Adaptation. 37, 5, p. 565-578

### **Vertical Extension of Buildings**

Nilsson, R., 2017 Apr 6, Lund: Lund University. 67 p.

### **Multi-active façade for refurbishments of residential buildings**

Gosztanyi, S., Stefanowicz, M., Bernardo, R., Blomsterberg, Å., Burke, S. & Nilsson, R., 2016 Sept 15, In: Journal of Façade Design and Engineering. 4, 3

### **Vertical Extension of Buildings as an Enabler of Energy Renovation**

Nilsson, R., Blomsterberg, Å. & Landin, A., 2016 Jun 1, (Unpublished). 10 p.

### **An exploratory study of the practice of stakeholder participation in densification projects**

Martínez-Ávila, C., Nilsson, R., Olander, S. & Landin, A., 2016 May 30, p. 1-13.

### **Energi- och Miljörenovering av miljonprogramshus - Backa Röd i Göteborg**

Blomsterberg, Å. & Nilsson, R., 2015 Feb 27, Bygg & teknik, p. 46-51.

## **Awards**

### **Beräkningsmetod för sannolik energianvändning i flerbostadshus**

Sundling, R. (PI)

Swedish Energy Agency: SEK240,000.00

2019/01/01 → 2021/12/31

## **Projects**

### **Förstudie av prefabricerade multiaktiva fasadelement för energirenovering av flerbostadshus**

Blomsterberg, Å. (PI), Bernardo, R. (Researcher), Gosztanyi, S. (Researcher), Sundling, R. (Research student), Olander, S. (Researcher) & Burke, S. (Researcher)

2015/10/01 → 2017/09/30

### **International Energy Agency: Cost Effective Energy and Carbon Emissions Optimization in Building Renovation project**

Sundling, R. (PI) & Blomsterberg, Å. (PI)

2014/01/01 → 2016/06/30

## **RECONCILE**

Sandberg, G. (Researcher), Persson, K. (Researcher), Landin, A. (Researcher), Serrano, E. (Researcher), Persson, P. (Researcher), Flodén, O. (Researcher), Sundling, R. (Researcher), Arfvidsson, J. (Researcher), Harderup, L.-E. (Researcher) & Abdul Hamid, A. (Researcher)

2020/07/01 → 2022/09/30

### **Reuse of building materials - Circular economy in the building sector from a management perspective**

Vergani, F. (Researcher), Landin, A. (Supervisor), Sundling, R. (Assistant supervisor) & Martinez, C. (Researcher)

2021/01/10 → 2026/08/31

