

## Information about the lecture

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**Speaker** Rudi Scheuermann

**Title** Cities Alive: Green Building Envelopes

**Group of topics** June 20<sup>th</sup>, 2017  
Overview of green buildings

**Language** english

**Content** Dense urban city environments consist of an agglomeration of bigger buildings. The resilience of cities as a whole depends amongst other components on the resilience of each single elements, the bigger buildings which together make a city a functional place.

Where the space for green infrastructure on the ground is not available with sufficient size or not at all, we need to find new areas to counterbalance growing negative effects like environmental noise, fine dust agglomeration and urban heat island effects. All these effects are counterproductive to natural ventilation schemes in buildings and need to be compensated by artificial ventilation and air-conditioning for the operation of the larger projects. This amount of energy could be saved if we tackle the problem where it has its origin.

The lecture intends to demonstrate that “Cities Alive: Green Building Envelopes” and onerous requirements are a challenge but also an enrichment of the design culture to lead to better results