

Passive and Active Strategies for Energy Efficiency

International and local perspectives for buildings and neighbourhoods

A webinar focussed on different approaches to energy efficiency and their design outcomes

Speakers

Dr Ferdinand Oswald

The University of Auckland, School of Architecture and Planning, Future Cities Research Hub

“Active House” and “Building Simply” – The latest state of Energy Efficiency Building Technologies from Germany

Simple, low-tech approaches in buildings are often underestimated in light of the continually developing high-tech technologies. Highly sophisticated building technologies may even have a negative effect on the total balance of energy generation, maintenance costs and durability. Therefore, combinations of high and low-tech solutions could deliver comfort effectively without increasing energy costs. This presentation introduces two different strategies for energy efficient buildings used in Germany: the “Active House” and “Building Simply”.

Dr Alessandro Premier

The University of Auckland, School of Architecture and Planning, Future Cities Research Hub

New Zealand Architecture and Renewable Energy: innovation and architectural-urban integration of solar technologies

In the future, the electrification of industry and electric vehicle uptake are expected to improve the share of renewable energy in total energy consumption and improve energy intensity in areas of the Pacific Rim, like New Zealand. Modifications to urban energy landscapes are likely to happen and an increase of solar installations is highly probable. This presentation discusses the importance of architectural and urban integration of renewable technologies, their prospect of durability and life cycle in the New Zealand context, in light of United Nations SGDs 7 and 11.

Moderator

Assoc Prof Paola Boarin The University of Auckland, Future Cities Research Hub

For more information please contact p.boarin@auckland.ac.nz

Details



Date & Time

13 May 2021
12:00pm - 1:00pm NZST

Place

Online Webinar

Price

Free

NZRAB CPD Points

10

Registrations at

<https://www.eventbrite.co.nz/e/passive-and-active-strategies-for-energy-efficiency-tickets-150275316517>



FUTURE CITIES RESEARCH HUB

The Future Cities Research Hub brings together researchers at the School of Architecture and Planning of The University of Auckland, addressing different disciplines concerned with the built environment and their multiple interfaces with the natural environment.

The aim of the Hub is to better understand the complexities of cities across the building, neighbourhood and urban scales, as well as the challenges of ecosystems during and after urbanisation, in order to find innovative solutions to address built and natural environments' challenges and contributing to the achievement of national, regional and global sustainable development goals and plans.



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