

Sustainable Housing: Innovation and Data

Invited
Guest



Thomas Lützkendorf is the director of the Institute of Sustainable Management of Housing and Real Estate at Karlsruhe Institute of Technology, Germany.

Thomas's research and teaching is concerned with questions relating to the implementation of sustainable development principles within the construction and property (real estate) industries. An emphasis of his work is on the further development and application of life cycle analyses (LCA / LCC); on the design / conceptualisation of information flows along the construction value chain; and on the integration of sustainability aspects into the methods and tools of the property industry (notably portfolio management and analyses, risk analyses and valuation).

Thomas was and currently is involved in the development and testing of sustainability assessment systems for buildings (BNB, DGNB, NaWoh).

Date and venue

Friday 27th March 2015

QUT Gardens Point Campus Brisbane

S Block Wordsworth Room 12th Floor

10:00 - 15:30

QUT invites you to a special workshop on sustainable housing

Enhancing supply and demand through innovation and data

As a significant national asset, Australia's housing needs to provide economic, social and environmental value to occupants, owners and the broader society. Today's workshop is part of an Australian Research Council Linkage Project: *From Innovators to Mainstream Market: a toolkit for transforming Australian Housing*. Learning from innovation, this project will deliver strategies to improve the productivity of the housing sector and enhance the value proposition of sustainable homes for all stakeholders. The four topics for today's workshop focus on innovation in the way that building information and data can be utilised to enhance the supply of, and demand for, sustainable houses.

Current status of housing in Australia: NEEBP report

This report, released in December 2014, highlights the complexity of issues and the many challenges facing the energy efficiency performance in Australian housing.

Building Information & Data: International & National Context

Professor Lützkendorf will present an overview of the status of Electronic Building Files and Building Certificates in Europe. This will be followed by a quick look at Glasgow's Future Cities project and an overview of the data project being developed by NSW Office of Environment and Heritage's Sustainable Housing team and partners.

Valuing Building Quality and Sustainability

Thomas will present the latest research on sustainability assessment systems and property valuation. This will be followed by an overview of the way in which building data and sustainability characteristics are being examined in the ARC project.

Electronic Building Passports - NEEBP Project

The final session will introduce the EBP project which seeks to develop and test a 'proof of concept' process for capturing energy efficiency related information about Australian houses.