FUTURE CITIES
LEADERSHIP LAB

Teaching

Prof Steffen Lehmann has been teaching on sustainable architecture and urbanism since the 1990s and has an extensive international network, connecting with a variety of experts and organizations worldwide.

Steffen Lehmann's broad areas of teaching:

- Sustainable architecture and urban design (advanced design studios)

- Research in new technologies for future cities

- Architecture and urbanism

- Impact on social and economic behaviours of organisations and communities; design interventions to improve sustainability

- Leadership in design and urban governance

He has a strong commitment to transformative teaching at undergraduate and postgraduate level. His teaching is in the following subject areas:

- Architectural and Urban Design Studio

- Urban History, Theory & Criticism

- Research Methods

- Design for Urban Regeneration and Sustainable Cities

- PhD Supervisor and Examiner

- PhD thesis supervision; advanced research training

- Guest lectures on design theory and sustainable city design across disciplines

Key questions are:

- *How can we shape the urban development towards sustainable futures?*

- *What is a vision of sustainable cities as an engine for greening the economy?*

- *How can we better deal with the interdisciplinary issues in sustainable cities?*

He has taught modules across disciplines at Schools of Architecture at five universities and received consistently very good student evaluations. He has led major curriculum initiatives and introduced new approaches to teaching. He is training 'critical thinking' and makes students passionate about architecture and sustainability.

Inspiring · Transforming · Learning · For life

> *Architectural design applies critical methods of creative thinking to develop and implement innovative solutions and advance knowledge.*
>
> *My interest is centred on teaching and learning within the speculative studio setting that allows for a nexus between making and discovery, and the possibility for both to influence the other.*
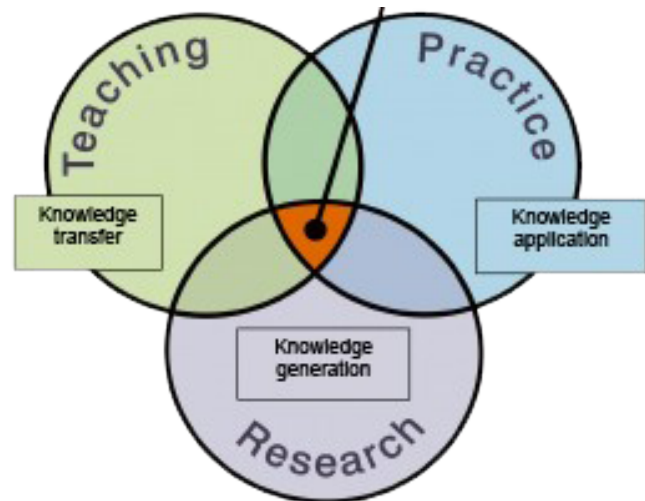
Teaching

Practice

Knowledge transfer

Knowledge application

Knowledge generation

Research

Teaching architectural and urban design research

Diagram of the teaching-research-practice nexus.

Good design is always research-informed.

Since 1991, Dr. Steffen Lehmann has initiated and led numerous advanced and research-driven city design studios in Master programmes around the world, with invitations to teach at leading design schools, such as the Technical University of Munich (DAAD-Professor), University of California at Berkeley, Tongji University and National University Singapore, which further influenced his thinking.

Since then, he has trained over 1,000 architecture graduates, and many of them went on to become successful architects in their own rights, won awards or became university lecturers. His academic appointments since then include senior positions at universities in the UK, Australia, Germany, Asia and the USA.

He has taught advanced design studios in team with Harry Seidler, Hans Hollein, Arata Isozaki and other eminent architects. He is particularly interested in the dynamic relationship that can exist between Teaching - Research - Practice.

In 2008, he received the **Award for Teaching Excellence** at the University of Newcastle (Australia), recognizing his significant contribution in the field of teaching sustainable design principles and in PhD supervision.

**Being a good city leader is one of the most important jobs there is.
As a city leader you hold the key to both your own and your city's success.
We teach you the tools and practical strategies necessary to be a leader
in sustainable urban transformation and development of a liveable city.**

Over the last 25 years, he was invited as Visiting Design Critic to design studios at leading universities worldwide (at over 50 universities), including:

Architectural Association School

Technical University Berlin

Boston Architectural College

Technical University Munich

Kunsthochschule Berlin-Weissensee

Technical University Braunschweig

Kingston Polytechnic London

National University of Singapore

North London Polytechnic

The University of Newcastle NSW

University of Applied Sciences & Technology Berlin

Queensland University of Technology

University of Applied Sciences Mainz

The University of Queensland

University of Applied Sciences Trier

The University of Adelaide

University of Applied Sciences Detmold

Uni Tech Lae PNG

University of Applied Sciences Holzminden

Chulalongkorn University Bangkok

Tongji University Shanghai

Technical University Istanbul Turkey

City University Hong Kong

John Moores University Liverpool

University of Cincinnati

University of Newcastle upon Tyne, UK

Florida International University Miami

Rizvi College of Architecture Mumbai

Columbia University New York

School of Planning & Architecture Delhi

Cal Poly San Louis Obispo

Summer Academy Salzburg

Harvard University GSD

Technical University Vienna

University of California at Berkeley

The University of South Australia

New School of Architecture & Design San Diego

KTH Stockholm Sweden

Curtin University

The University of Western Australia

University of Indonesia

The University of Portsmouth

> *I want students to develop an entrepreneurial spirit and establish a critical position based on research. I always recommend to students: Find out what you love to do and you will be successful at it.*

PhD Supervision

Dr Steffen Lehmann has successfully supervised a variety of interdisciplinary Masters and PhD research studies as Primary Supervisor (since 2003) in the field of sustainable architecture, urbanism, design theory and socio-technical change. He has been Primary Supervisor of over 12 PhD students and 3 Postdoctoral Fellows.

Steffen is happy to discuss proposals with potential PhD candidates that connect to his field and are interested in exploring open-ended questions. PhD students will have the freedom to strategically 'design' their own research, and to 'research' in design. PhD students will form a critical opinion and continually reframe the question of our urban futures and how the design professions might evolve.

He has also been an External Examiner for PhD thesis at leading universities, including the University of Sydney, the University of Western Australia, Monash University, Bond University, the University of Salford, and Hong Kong Polytechnic University.

Invited to lecture at top universities worldwide

Dr Steffen Lehmann has lectured at the top architecture and design schools in the world,

- Architectural Association School of Architecture – United Kingdom
- Delft University of Technology – Netherlands
- University of California, Berkeley – United States
- Harvard University – United States
- University of Oxford – United Kingdom
- National University of Singapore – Singapore
- Tsinghua University and Tongji University – China
- Hong Kong Polytechnic University – SAR Hong Kong
- Polytechnic University of Milan – Italy
- Technical University Munich – Germany
- Technical University Berlin – Germany
- The University of Sydney – Australia
- University of New South Wales – Australia
- The University of Melbourne – Australia
- KTH Royal Institute of Technology – Sweden
- Technical University Vienna – Austria
- The University of Portsmouth – United Kingdom

Dr Steffen Lehmann recommends these helpful books on research methodology

Recommended reading for a survey of research methods used in the architecture and design disciplines:

- Robert E. Stake (1995). The Art of Case Study Research, Sage Publications
- Robert K. Yin (2008). Case Study Research: Design and Methods, (4th Edition)
- Robert K. Yin (2012). Applications of Case Study Research (Applied Social Research Methods, 3rd Edition), Sage Publications
- Abbas Tashakkori, Charles Teddlie (2010). Handbook of Mixed Methods in Social & Behavioural Research (2nd Edition)
- Floyd J. Fowler (2008). Survey Research Methods (4th Edition)
- Alan Bryman (2012). Social Research Methods (4th Edition)