

Professor Steffen Lehmann, PhD

SHORT PROFESSIONAL INFO



Chair Professor and Director, Zero Waste Centre for Sustainable Design and Behavior;

Director, China-Australia Centre for Sustainable Urban Development

The University of South Australia

Qualifications and Experience:

- **Educational Background, Academic Qualifications and Appointments**

Vordiplom University of Applied Sciences, Trier, Germany (1985)

Diplom University of Applied Sciences, Mainz, Germany (1988)

AA Dipl Architectural Association School of Architecture, London, UK (1990)

Profess. Registration Chartered Architect in Berlin, Germany (1993-)

PhD (Dr.-Ing.) Technical University Berlin (2003)

Chair Professor Appointed Dec. 2002 as Full Professor of Architecture

Visiting Professorships Tongji University Shanghai (2003); TU Berlin (2005);

DAAD Professor TU Munich (2009); NUS Singapore (2009);

University of California at Berkeley (2012)

UNESCO Chair UNESCO Chair for Sustainable Urban Development in Asia-Pacific (2008-2011, since Aug. 2011 ex-officio)

Director Zero Waste Centre for Sustainable Design & Behaviour, UniSA (2010-)

Director China-Australia Centre for Sustainable Urban Development, UniSA (2012-)

- **Professional Experiences**

Professor Steffen Lehmann is a German-Australian architect, engineer, urbanist, author and educator, registered as a chartered architect and urban designer in Berlin.

Steffen is an internationally renowned leader in the field of sustainable buildings and urban development. Many of his research projects are engineering based collaborations, concerned with the integration of low-carbon technologies in urban design and the social context.

Since 2010, he is the Founding Director (Research Chair) of the Zero Waste Centre for Sustainable Design and Behaviour, sd+b, a multidisciplinary research centre that has forged research alliances across many divisions and schools, government and industry partners. Steffen is also Professor of Sustainable Design in the School of Art, Architecture and Design at the University of South Australia.

Since 2012, he is Founding Director of the China-Australia Centre for Sustainable Urban Development, CAC_SUD, an international research centre located at UniSA and Tianjin University, P.R. of China.

The sd+b Centre and CAC_SUD Centre at UniSA

Both centres have highly focused impactful research agendas. They undertake research that is funded through competitively won, peer-reviewed grant awards, where every project is collaboration with government and industry partners.

Both centres are creative hubs for PhD supervision.

Steffen's research group develops solutions for resilient built environments and a better understanding of complex urban systems. The work identifies behavioural, technological and urban design options for managing climate change impacts in cities.

Steffen previously held senior positions at other universities over the last ten years and has worked extensively in Europe and the Asia-Pacific region. He knows the Asia-Pacific region well; he worked in Tokyo for three years (with Arata Isozaki) and has travelled to China and other Asian countries regularly since 1989.

Research Areas

Sustainable urban development; green urbanism; low-carbon cities; engineered timber construction; urban micro climates; behaviour change; high-performance buildings; infrastructure and public space.

- **Professional and Research Contributions**

Steffen has worked with some of the world's most respected international architecture and urban design practices. From 1990 to 1993 he worked as an architect in the offices of world-recognised architects, James Stirling in London and Arata Isozaki in Tokyo, before establishing his own research-

based and ideas-driven practice, s_Lab, Space Laboratory for Architectural Research and Design, in Berlin, to pursue a more ethically correct practice.

With s_Lab he had the privilege to design and build significant projects in historical locations such as Potsdamer Platz, Pariser Platz and Hackescher Markt in Berlin.

Steffen has successfully designed more than 80 and built more than 25 projects as lead designer - some projects with a construction budget of over \$250 million. See: www.slabs.com.au

Steffen has published 15 books and over 250 research publications in the last 20 years.

Since 2006 he is the General Editor of the *Journal of Green Building*; since 2011 Editor of the Routledge *Book Series on Sustainable Design*.

- **Recent Publications**

Lehmann, S. (2010), authored book 'The Principles of Green Urbanism. Transforming the City for Sustainability', Earthscan Publisher, London; 910 pages.

Lehmann, S. and Crocker, R. (2012 and 2013), two refereed edited books 'Designing for Zero Waste. Consumption, Technologies and the Built Environment'; 'Motivating Change. Sustainable Design and Behaviour', Book Series on Sustainable Design, Routledge, London; each has 430 pages.

Lehmann, S. (2012), refereed book chapter: 'Green Urbanism. Formulating a Series of Holistic Principles', p. 23-30, in: 'Sustainable Urbanism and Beyond. Rethinking Cities for the Future' (ed. Tigran Haas), Rizzoli International/Random House, New York.