

# The Sustainable Engineering Society



...engineering in harmony with ecology

## Urban Design; Consumerism on a Finite Planet

**Date:** Tuesday, 11<sup>th</sup> February 2014

**Time:** 5:15pm for 6:00pm start

Concludes 7:15pm

**Cost:** EA and SENG Members FREE

Non Members \$10

**Venue:** Sir Robert Chapman Theatre,

Engineers Australia,

Level 11, 108 King William Street,

Adelaide, SA

**CPD Points:** 1

### Global Consumerism, Design and Sustainability

A world of 7 billion cannot afford to have mobile phones replaced every year, computers trashed every 18 months, or kitchens remodelled every five years. These and other unsustainable practices are the result of a 'sunk cost effect' - a century of technological development and unsustainable beliefs and practices.

It helps to understand something of this historical background, since to create a more sustainable society will require changing both the beliefs and values of consumers, as well as progressively reshaping the social and technological infrastructures that deliver this systemic over-consumption. This is the major task for the many engineers, now and well into the future.

About the Speaker: Dr Robert Crocker is a historian and the author of many papers and co-editor of two books, including 'Motivating Change' and 'Designing for Zero Waste' (co-edited with Professor Steffen Lehmann). He is a Senior Lecturer in the School of Art, Architecture and Design at the University of South Australia, and teaches in the Master of Sustainable Design programme.

### Transforming Cities for Sustainability

This presentation explores the challenge of urbanisation and the strategies required to future-proof cities; such as implementing compact mixed-use urban design strategies for transport, living, infrastructure, storm water and mitigating the urban heat island effect.

Steffen will introduce the relevant work of his two research centres at UniSA and discuss the concept of Green Urbanism. Out of these studies come recommendations (principles) for future-proofing, retrofitting and transforming existing city districts to adapt to the needs of the future, moving towards low carbon precincts.

About the Speaker: Dr Steffen Lehmann is Chair and Research Professor of Sustainable Design, Director of the China-Australia Centre for Sustainable Urban Development, and the Founding Director of the Zero Waste Centre for Sustainable Design and Behaviour, at the University of South Australia. In 2008, he was appointed a UNESCO Chair in Sustainable Urban Development for Asia and the Pacific; he is consulting municipalities worldwide. Dr Lehmann has numerous publications to his name.



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Please feel free to invite anyone you think might be interested.



### **Event Contact:**

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