

Friday Forum #7

Future thinking and Frontier Design

Friday, 29 February , 9am – 12 noon

Garden Room, AUT Conference Centre, 585 Great South Road, Penrose

Speakers are:

Dr Richard Mander

Dr Ron McDowall

A.Idil Gaziulusoy

Sustainability Forums

The NZSSES hold regular forums, aimed at exploring different engineering and science sectors, and their approach to sustainability. It is hoped that problems with understanding and implementing sustainability principles will be identified and discussed, from which the NZSSES will aim to facilitate research projects to further explore the issues and provide feedback to its members.

Topics so far:

- Carbon Trading (October 2007)
- Sustainable Transport: Cars and Congestion (August 2007)
- Talking and Walking Sustainability Conference (February 2007)
- Governance and Sustainability (September 2006)
- Consultants and Sustainability (May 2006)
- Industry and Sustainability (September 2005)
- Local Government and Sustainability (June, 2005)

The forums are morning sessions and comprise brief presentations from guest speakers followed by questions and answer time, or a facilitated discussion afterwards. A summary and way forward is given at the end to help develop practical ways of improving the uptake of sustainability principles.

NZSSES

The New Zealand Society for Sustainability Engineering and Science is a learned society focused on achieving sustainability by identifying, understanding and accepting the responsibility for engineers and scientists to manage resources and ecosystems for both current and future generations.

The NZSSES is a Technical Interest Group of the Institution of Professional Engineers of New Zealand and a Affiliated Organisation of the Royal Society of New Zealand.

Forum No 7: Future thinking and Frontier Design

Date:	Friday, 29 February 2008
Location:	Garden Room, AUT Conference Centre, 585 Great South Road, Penrose.
Forum Objectives:	What is Future Thinking and how to design for the future.

Programme

9am	<p>Welcome, outline of the forum and its objectives</p> <p>The extent of the challenge implied by sustainability - the need for factor 20 to factor 50 (and more) improvements in eco- efficiency shows this challenge to be far beyond the <u>range of improvement</u> possible through end of pipe technologies and even most “environmental” technologies including so called integrated solutions. Thus it is inadvisable to follow the traditional route of studying present products and processes as a way of identifying areas for improvement. Rather it may be better to begin by accepting that sustainable technologies will most often consist of <u>path-breaking approaches</u> to meeting needs that are radically different from the solutions we have in place today.</p> <p>Presentations will include future thinking and design and introduce a new scenario development methodology. This new methodology brings together a set of futures methods (i.e. backcasting, socio-technical scenarios and scenario network mapping) specifically modified and combined to identify innovation paths towards sustainable technologies.</p>	<p>Ron McDowall NZSSES</p>
9.15am - 9.45am	<p><u>TITLE:</u> Future thinking and design</p> <p>Questions (5 mins)</p>	Dr Richard Mander
9.50 am - 10.20 am	<p><u>TITLE:</u> What happens when the supermarkets are gone?</p> <p>Questions (5 mins)</p>	Dr Ron McDowall The University of Auckland
10.20 am	Morning tea	
10.40am- 11.10am	<p><u>TITLE:</u> Towards System Innovation for Sustainability: A New Scenario Methodology</p> <p>Questions (5 mins)</p>	Idil Gaziulusoy PhD Fellow, Fisher & Paykel
11.15am 12 noon	<p>Panel Discussion / Debate / Wrap up</p> <p>FINISH</p>	

Registration / Information

Fee	<ul style="list-style-type: none"> ○ Free for members of NZSSES ○ \$40 incl. gst for non members
More information?	<i>Details on www.nzsses.auckland.ac.nz</i>
To Register	<i>Email to vicky@nzsses.org.nz</i>