

A Sustainable World – Quantifying the Engineering Challenge

Bill Grace: Principal Sustainability Consultant ,GHD Pty Ltd

Society for Sustainability and Environmental Engineering

EVENT DETAILS

Date:

Thursday, 22 November 2012

Time:

5.30pm for a 6.00pm start

Venue:

John Connell Auditorium
Engineers Australia
21 Bedford Street
North Melbourne

Cost & Registration:

SSEE / EA Member Free
Non Member \$30

[On line](http://www.engineersaustralia.org.au/events/sustainable-world-how-do-we-quantify-engineering-challenge-and-act) or via link

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Much of the sustainability debate is qualitative and general, leaving most unsure exactly what is needed to create a sustainable world and who is responsible. In this presentation Bill Grace will describe a conceptual sustainability systems (mini Limits-to-Growth) model using real world data and ecological footprint metrics to explore the various possible 21st century global trajectories.

Using these scenarios, Bill will outline the role of the professions, in particular the responsibilities of engineers and the urgency of their task in the coming decades.

ABOUT THE SPEAKER



Bill Grace is an urban sustainability specialist. He was formerly GHD's Manager, Sustainability, with an overarching role to provide a sustainability focus to GHD's international operations and business. Bill is a Fellow of Engineers Australia with over 30 years' experience in infrastructure and development projects in Australia, the UK and South-East Asia.

Bill has extensive experience in providing strategic advice on sustainability aspects of city planning and land development, including leading multi-disciplinary teams in planning and designing integrated urban water cycle solutions, sustainable energy, waste management and green building design. Bill has previously been a member of the Western Australian Planning Commission's Statutory Planning Committee and was Deputy Chairman of the Western Australian Sustainability Roundtable, which provided advice to the WA Premier on implementation of the State Sustainability Strategy. He is a member of the federal government's Expert Working Group for Sustainable Regional Planning, charged with developing methodologies for strategic planning of 8 regional growth centres. Bill is also a member of the Advisory Committee for the University of Western Australia's Australian Urban Design Research Centre, and on the editorial committee for the WA Department of Planning's new quarterly journal.

He has recently completed a three month secondment with Natural Resources Canada researching the governance aspects of the integration of energy and greenhouse reduction strategies with the urban planning system.

