

The Sustainable Habitat Challenge 2009

Practical Visions of More Sustainable Housing – SHAC Symposium Programme

19-21 November 2009, Dunedin

The Sustainable Habitat Challenge (SHAC) is proof that more sustainable living is practical today. Over the past two years, SHAC teams have worked together creating buildings, retrofits and new products to support desirable, more sustainable living. They have each taken different approaches, but their results share some common attributes – simple, adaptable designs that require fewer resources, produce less waste, are value for money and support a sustainable community. Teams involve students, professionals and the community.

Now it's time to celebrate their achievements, and share our ideas and experiences.

The SHAC Symposium is the chance to join with **innovative thinkers and doers**, including community housing representatives, iwi, designers, builders, engineers and architects. You will hear from leaders in sustainable systems and design. Students, tertiary staff and professionals from each SHAC team will present their vision for more sustainable living, and how their projects support these values. Plus you will have the opportunity to learn, share and consider some practical next steps for the future of sustainable building.

The SHAC Symposium is open to all who were involved in SHAC teams, as well as interested industry professionals, educators and members of the public. Please join us for an inspiring few days in Dunedin!

19 Nov 09 – Evening Welcome and Keynote Lectures [Dunedin Public Art Gallery, The Octagon]

- 3:00 Teams set up any displays, models, posters, and/or videos from their team.
- 6:00 Welcome
- 7:00 Opening Forum – open to the public:
 - [Engineer] Susan Krumdieck, University of Canterbury
 - [Builder/Developer] Lawrence McIntyre <http://goldenbayhideaway.co.nz/>
 - [Designer] David Trubridge, <http://www.davidtrubridge.com/>
 - [Architect] David Strachan

20 Nov 09 – Team Presentations [Dunedin Public Art Gallery, The Octagon]

- 9:00 The Plant Room, Team Unitec Ecocrib, Team Waikato, Team Unitec BACH IOI, Team Central Otago
- 1:00 [Architect] Duncan Joiner (DBH Chief Architect), Lois Easton (Beacon Pathway), Nick Collins (Beacon Pathway)
Team Canterbury, Team Housewise, Team Dunedin, Team Whareuku
- 5:00 Optional architectural tour of Dunedin's treasures, with local architecture historians
- 7:00 **Symposium dinner and awards ceremony (Port Chalmers Town Hall – By train , meet at Dunedin Railway Station, 6:30pm)**

21 Nov 09 – Workshop [The OUSA Aquatic Centre]

- 10:00 Practical approaches to more sustainable building:
 - Dialogue 1: Naming the issues
 - Lunch
 - Dialogue 2: A practical vision
- 4:00 Closing

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BUILDING A BETTER WAY

WWW.SHAC.ORG.NZ
0800 SHAC 09

Sign up today! Please register as space is limited. Registration just \$90 per person, \$40 for students. Register at www.shac.org.nz/page/symposium-1 or call 0800 SHAC 09. Or email tim@shac.org.nz. Limited exhibition space is also available. And keep checking back to the website - the programme may be updated as we near the event!

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SHaC is pleased to welcome expert speakers from across the disciplines of housing, energy, sustainability, and design.

[Engineer] **Associate Professor Susan Krumdieck, University of Canterbury**

Susan's research into energy focuses on innovations to enable humans to continue to enjoy rich, active, lives within the constraints of environment and resource availability. She has organised an interdisciplinary research team at the University of Canterbury AEMS Lab – a team with close ties with industry, including power companies and other service providers, achieving several international patents in the last few years. The team's strategic research aims to define and assess sustainability, create the fundamentals of the low-fossil energy system, and conceive bridging technologies and control systems to manage the transition to sustainable systems. This is a truly innovative approach that has already yielded new insights and new ideas which have received acclaim at international meetings and conferences.

[Builder/Developer] **Lawrence McIntyre www.goldenbayhideaway.co.nz**

Lawrence and Antje created Golden Bay Hideaway to demonstrate a practical, comfortable and cost effective eco-home solution. A trip to Germany in 2003 provided the inspiration to create a passive solar building in the 'simple house' (Bauhaus) German philosophy, the post WWII design style emphasising simplicity and efficiency. Lawrence was impressed with the attention to detail and the fact that statements about efficiency and insulation were based on actual measurements and statistics. He wanted to bring this thinking to New Zealand and challenge people, government and industry to talk about eco-building issues and bring a results-based approach to building techniques. Golden Bay Hideaway – or [Little Greenie Eco-home](#) - was also designed to create an environment for couples to visit and rejuvenate their relationship. "Taking time and finding space to nurture a relationship is an important part of making it work. We decided to provide a place for passion and space for being together without the interruptions of our normal daily lives. You can come and stay anytime and experience how we've created the best eco-home in New Zealand."

[Architect] **Dave Strachan**

As design director of SGA, Dave has more than 30 years' experience in the fields of building, interiors, teaching and architecture. Dave has a Master of Architecture Degree in Sustainable Design from the University of Auckland and is a graduate of the Newcastle University Glenn Murcutt Master class. Enthusiasm, energy and experience are brought to the practice through Dave's commitment to creating an innovative contemporary, sustainable architecture, appropriate to New Zealand and its unique landscape.

[Geographer] **Nick Collins, Beacon Pathway Ltd**

As General Manager for Beacon Pathway Ltd (Beacon), since 2004, Nick is responsible for developing a clear strategic plan focused on bringing about sustainability in the residential built environment. Major projects underway include: building 100 NOW Homes® in partnership with group builder to drive uptake of sustainable new homes; and the NOW Home® Renovation project focusing on improving New Zealand's existing housing stock. Nick works with stakeholders from central and local government, industry, infrastructure and consumer groups to facilitate and encourage wider change. Originally a geographer, with an MA (Hons) from Canterbury University, Nick has worked largely in the building products market, in companies such as Pryda Reid, Auckland Brick and Tile, and Monier Bricks. During this time he was instrumental in the setting up of a National Trade Training Qualification for roof tilers. In the mid 1990's he returned to the University of Auckland to complete an MBA to develop his financial / commercial skills. Nick was invited to contribute to Auckland City Council's Mayoral Sustainability Taskforce in 2006, and oversaw the development of a web-based guide to sustainable building (www.smarterhomes.org.nz) for the Ministry for the Environment.

Further esteemed speakers: [Designer] **David Trubridge**, www.davidtrubridge.com; [Architect] **Duncan Joiner** Chief Architect, Dept Building and Housing; [Scientist] **Lois Easton**, Housing Researcher

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