

LSAA Conference & Design Awards

2013

“Touching the Earth Lightly”

This conference will look at the most efficient use of materials & resources to have a marked effect on our planet, our lives and our future. We want to help get people thinking about building better, building for the environment and living lightly on the planet.

Lightweight structures can not only be light they can be relocatable, reusable, recyclable and offer many sustainable advantages for architects, engineers and developers. Presentations will explore these features.

Lightweight Structures have geometric forms that generally have large surfaces which are doubly curved. Many structures also use modern materials such as fabrics, foils and cables which can only carry loads by tensile forces – the most efficient load carrying action.

LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.



Platinum Sponsor



Conference Offerings in Brief

Wednesday November 13

- Pre-Conference visit to Alan Gibbs' Farm
- Pre-Conference Reception

Thursday November 14

- Exhibition
- Keynote Speakers
- Networking Events
- Design Awards Presentation & Dinner

Friday November 15

- Exhibition
- Keynote Speakers
- Networking Events
- Site Visits

Gold Sponsors

Link to Registration Forms



Silver Sponsors Nolan.UDA

Lightweight Structures Association of Australasia Inc. www.LSAA.org

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“Touching the Earth Lightly”

Theme for the 2013 Lightweight Architectural Structures Conference

Are you interested in using modern construction materials efficiently so as to reduce the impact on our environment?

Are you interested in building and designing better structures for more economical energy consumption, long term sustainability, reusability and generally living lightly on our planet?

Are you keen to keep abreast of current design thinking and construction techniques and to hear the approaches our leading architects and engineers have for our future?

Are you keen to learn how key consultants are tackling the task of building design in earthquake sensitive areas and the direction and progress made for the Christchurch Recovery Project? (This session is open to the public).

Are you in the Lightweight Architectural Structures industry and are keen to network with your peers, or to enter a recently completed project for the industry leading Design Awards?

Are you looking for design inspiration for new forms?



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The International Award winning Westlake Girls Netball Centre structure is an example to be presented to the conference and is one projects for the post-conference site

- ✓ Register for this event.
- ✓ Join our mailing list.

Modern major sports complexes often employ unique large span lightweight structures. The AAMI “Rectangular Stadium” in Melbourne won the 2011 LSAA Design Award in the Collaboration Category and demonstrated the coming together of a range of skills needed for truly successful project realization.

For any or all of the above reasons, you should consider joining us in Auckland New Zealand from November 13-15 2013. The Venue is the Hotel Hilton.

We have invited keynote and other speakers with international reputations in the fields of design of lightweight structures for large public spaces to lead our Conference.

Our Conference Dinner features our LSAA Design Awards held every two years attracting a spread of structures completed in the past two years.

Two special events form part of the Event – a preconference visit to Alan Gibb’s world famous sculpture farm, and a post-conference site visit to three fabric structure projects near Auckland.

For further details of registration, fees, design award entry requirements and sponsorships see our website at www.LSAA.org



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Theme “Touching the Earth Lightly” Conference Program



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Pre-Conference Day, Wednesday 13th November 2013

(Optional Attendance - space limited)

11 am – 5.30 pm Visit to Alan Gibbs Farm

6.30 – 9.00 pm Pre-Conference Registration and Reception in the Exhibition Area



The pre-conference visit to Alan Gibbs Farm, which is being Sponsored by Structurflex New Zealand has only limited space for the first 50 full Conference delegates



The LSAA is privileged to have organized a private visit to Alan Gibbs's Farm, a 1,000-acre sculpture park on New Zealand's Kaipara Harbour.

Since purchasing the site in 1991, Alan has commissioned some epic works by Neil Dawson, Anish Kapoor, Richard Serra, Andy Goldsworthy, Leon van den Eijkel and Bernar Venet amongst others.

A large tensioned fabric structure sculpture by Anish Kapoor moulds into the hill top. It was a worthy winner of an LSAA Design Award in 2009. We will travel an hour each way to the farm by bus. Meeting time is at 11.30 at the Conference Hilton Hotel.

Overseas delegates wishing to avail themselves of this unique opportunity are advised to arrive in Auckland the day beforehand.

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Conference Program - Day 1 Thursday November 14 2013

Start	Session: Activity, Presentation	Author / Chair / Status
8.30	Registrations	
	S1 Welcome, Opening, Keynote	Dr Kourosch Kayvani LSAA President
9.00	Conference Welcome	Dr Kourosch Kayvani
9.10	S1A Keynote Address Design Matters - Creating The Bliss Point in Architecture and Engineering	Alastair Richardson Director, Cox Architecture
10.00	Morning Tea / Networking	
	S2 Recent International Projects	Murray Higgs Structurflex – Gold sponsor
10.25	S2A Three Stadiums for Brazil 2014	Mike Lester - Makmax
10.45	S2B Retractable Roof over Margaret Court Tennis Arena	Peter Murenu - Aurecon
11.05	S2C London Olympics – Review of use of PVC fabrics in tensile architecture.	Farid Sahnoune Serge Ferrari
11.25	S2D Te Waka O Maori Re-locatable Pavilion	Nick Dalton Toa Architects Renata Blair - Evitan
11.45	S2E Westlake Girls Netball Centre	Harry Street - Creative Spaces
12.05	S2F Questions to Session Authors	
12.05	Lunch / Networking	
	S3 Title Facades, Sustainability, Energy Saving Projects	Brian O'Flaherty Mehler – Platinum sponsor
13.00	S3 Platinum Sponsor Welcome	Paolo Giugliano - Mehler
13.10	S3A The Feature ETFE and Timber Diagrid Roof - Coastland Aquatic Centre	Toby Mason - CREATE
13.30	S3B Design Elements of the World's Largest Free Spanning Dome, Singapore	Scott Rathie - Arup
13.50	S3C Lightweight Facades Systems	James Marr - Tensys
14.10	S3D Case studies of cable supported façade structures	Rowan Murray - Ronstan
14.30	S3E Parametric Infrastructure Design	Dean Mackenzie Warren & Mahoney
14.50	S3F Questions for Session Authors	

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Conference Program - Day 1 Thursday November 14 2013

Start	Session: Activity, Presentation	Author / Chair / Status
15.00	Afternoon Tea / Networking Public Lecture Registrations	
	S4 Public Session: Earthquake Engineering Designs and the Greater Christchurch Recovery	Dr Kourosch Kayvani LSAA President
15.20	S4A Welcome, brief introduction to LSAA and this session	Dr Kourosch Kayvani
15.25	S4C-1 Overview of Recovery: Progress, milestones, challenges	Sheila McBreen-Kerr CERA
	S4C-2 Opportunities for Re-building Christchurch in Wood	Prof Andy Buchanan University of Canterbury
	S4C-3 Post Earthquake - Impact on Structural Design	Stephen Hogg Aurecon, Christchurch
	S4C-4 What will the New Architecture be like and Why?	Daryl Maquire Warren and Mahoney
17.25	S4D Questions for the Session Authors	

Pre-dinner drinks & Design Awards Conference Dinner

Dress Code: Jacket and tie suggested

Hilton Auckland - 7.00pm for 7.30pm



The AAMI Park stadium is a highly awarded project involving Cox Architecture. It was also the winner of the 2011 LSAA Design Awards in Category 6 for Collaboration.



The Southern Cross Station redevelopment features a free form roof structure which required 3D modelling for construction and simulation of air currents. The project involved Grimshaw as the Architects.

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Conference Program - Day 2 Friday November 15 2013

Start	Session: Activity, Presentation	Author / Chair
	S6 Keynote	Peter Lim LSAA Vice President
09.00	S6A Keynote Address "Touching the Earth Lightly: A Responsive Architecture"	Alex Matovic for Neil Stonell Grimshaw Architects
10.00	Morning Tea / Networking	
	S7 Recent Projects / LSAA News	Bob Cahill - Hiraoka – Gold sponsor
10.30	S7A Waitomo Caves' Visitors' Centre	Chris Kelly Architecture Workshop
10.50	S7B The Cloud	Joseph Dean Wade Design Engineers
11.10	S7C Innovating the Process - Adelaide Oval Roof Structures	Joachim Clauss - Cox Architecture
11.30	S7D Abdullah Bin Khalifa Stadium, Doha Qatar	Peter Lim - Tensys
11.50	S7E Questions for the Session Authors	
12.00	S7F Summary of LSAA Activities Design Guidelines & Shadecloth issues Details for Site visits. Conference Close	Dr Kourosch Kayvani & Murray Higgs
12.10	Lunch / Networking / Pack up	
	S8 Title – Site Visits (Optional)	Murray Higgs Structurflex – Gold Sponsor
12.45	S8A The Cloud, Queens Wharf Westlake Girls Sports Centre (Potential drop off at airport TBC) Eden Park Stadium	Transport details to be confirmed. Travel by Bus from Hilton. Potential drop off at airport after Westlake Girls visit.



Structures to be included on the afternoon site visits: Eden Park, Westlake Girls and The Cloud