

Preliminary Announcement – Rev Sept 3, 2010



*The Lightweight Structures Association of Australasia in conjunction with Engineers Australia
Invite you to attend a Technical Seminar*



Design of Tension Membrane and Shade cloth Shade Structures

Thursday October 21st 2010 from 10.00am – 5.00pm

Brisbane RiverView Hotel

Corner Kingsford Smith Drive & Hunt St, Hamilton QLD 4007 Australia

Cost: \$150 for LSAA / EA / Members, \$200 Non-members

Tensioned membrane structures have become an important structural form for both large span roof structures as well as for smaller covered areas which also serve as an architectural statement. This seminar is an opportunity to learn about the basic structural design parameters, material selection, fabrication and erection techniques.

A particular focus of the seminar will be design factors, fabrication details, shade prediction and maintenance of smaller shade structures made from knitted porous shade-cloth with applications to providing shade to schools, playgrounds, car parking and storage, nurseries and domestic environments.

Topics which will be presented

- Brief history of tension membrane and shade cloth structures and modern architectural fabric materials
- Understanding the engineering design process and the nature of structural supports, edge and attachment details
- Fabrication, construction, installation and maintenance processes
- Particular issues (fire, shade prediction, legal, costing, vandalism, access etc) pertaining to shade cloth structures.

Speakers: A number of speakers drawn from LSAA and industry leaders with extensive experience in shade structures.

A Certificate of Attendance and Seminar Proceedings will be available for attendees and should count towards the relevant CPD requirements.

Preliminary Program

10.00	Registration, Coffee & Networking with Sponsors
10.30	Welcome and Introduction (scope of Symposium etc)
10.40	Brief History of Tension Fabric and Shade Structures in Australia
11.00	Solid Fabric and Shade Cloth Materials including threads – Engineering and Other Properties
11.30	Engineering Design Factors and Importance of the Support Structures, panel edge and corner attachment details
12.00	The Good, the Bad and the Ugly Examples in Practice highlighting Structural Issues
12.45	Buffet Lunch in exhibition area & possible demonstration
13.45	Fabrication, Installation, Maintenance and other Issues of Shade cloth Structures
14.30	Two Case Studies – Solid PVC and Shade cloth solutions for a client brief. Elaboration of concept development and implementation
15.30	Afternoon Tea break
16.00	Draft Design Guidelines and Commentary on Specific Factors for Shade Cloth structures in Australia – in conjunction with a panel discussion.
16.50	Summary and Closure

Registration Form

Please register me/us for the LSAA seminar on **21st October, 2010**

Note: Any Accommodation Bookings to be done directly

Attendees: (\$150 Members, \$200 Non-members) Names: 1. _____

2. _____ 3. _____

Firm's Name: _____ Phone: _____

Address: _____

Fax: _____ email: _____

Website: _____

Interest (please circle/tick): Engineer / Fabricator / Material Supplier / Client / Architect

Cheques (Made out to "LSAA") Amount: _____ Bank: BSB: _____ Acc #: _____

Direct Deposit Details: Date: _____ Amount: _____ Reference: _____

LSAA Member? YES / NO Engineers Aust. Member? YES / NO Number: _____

RSVP by Oct 13, 2010, to Peter Kneen, LSAA, 18A Freeman Ave, Oatley NSW 2223

LSAA Bank Details (for direct deposit, email details):

ANZ, Account: Lightweight Structures Associations of Australasia, BSB: 013 267, Account: 3524 14135

email: registration@LSAA.org