



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.

LSAA 2011 Conference Collaborative Design of Lightweight Structures

Sydney, October 13-14 2011

Websites: www.LSAA.org

2011 LSAA "DESIGN AWARDS"

INVITATION FOR ENTRIES – **CLOSING DATE SEPTEMBER 4 2011**

The Lightweight Structures Association of Australasia (LSAA) invites entries for the 2011 LSAA Design Awards given in recognition of excellence in design, innovation, construction and application of Lightweight Structures.

Entries in the following categories are invited from individuals, companies and institutions. **LSAA members and non-members may enter. The Awards are also open to companies/ individuals who may not have acted as the "designer". Fabricators or Installers may also enter but only one entry per project will be considered.**

CATEGORIES

Awards will be considered in the following categories:

- 1 SMALL STRUCTURES
Domestic, Project area < 250m²
- 2 MEDIUM STRUCTURES
Project area between 250m² and 1,000m²
- 3 SHADECLOTH APPLICATIONS
External tensioned structures from knitted polyethylene shade cloth material.
- 4 LARGE STRUCTURES
Project or component area exceeds 1,000m²
- 5 GLAZING AND VERTICAL FACADES
Large span glazing walls or roofs, other forms of lightweight facades (cablenets etc) to control interior environments.
- 6 DESIGN AND CONSTRUCTION COLLABORATION
Completed projects whose success is attributed to close collaboration between multiple members of a team and where extensive use was made of emerging collaborative tools. Entries in this category are to be signed off by at least three different team members.
- 7 SPECIAL APPLICATIONS AND INNOVATIONS
Includes applications of lightweight structures used in an interior environment, manufactured as a product, and can be either temporary, demountable, relocatable or permanent structures. (Interior structures, large awnings, shelter structures, are some examples). Applications using new technology and sustainability principles. Innovations in the teaching of collaborative design.



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.

ENTRY CONDITIONS

Entries must be Lightweight Structures which may be an entire building structure (for instance an exhibition building) or a component of a building (for instance an atrium roof in a shopping complex). Structures may be of permanent or temporary use and may be constructed from any material.

Typical Lightweight Structures include: membrane structures (prestressed tent and air-structures), large span planar or curved glazing or other façade type structures, space frame, cable, shell, monocoque and folded structures as well as arched and stayed structures in metals (steel, aluminium), timber, concrete, fabric and foils, plastics and composites.

The following design criteria are typical of lightweight structures:

- the shape of the structure is determined through an optimisation process, such as a particular load case (selfweight, wind etc) and other parameters (environmental and/or energy control etc.)
- the structure seeks to minimise material usage
- many aspects of the final structure such as connections are highly visible
- a larger than normal degree of collaboration is required during the design process.

ENTRY RULES

1. An entrant may submit any number of additional entries for **different** projects.
2. A particular project may only be entered once (ie. either by the Architect, Engineer, Designer, fabricator, installer etc). It is permissible to enter distinctly different parts of the same project such as a membrane / steel roof and separately to enter a cablenet glazing section of the project.
3. Entries must be of predominantly Australasian origin or content. (i.e. the design and/or fabrication and/or construction must predominantly have been conducted by an Australasian firm.) Entrants must indicate the percentage of work for which their firm was responsible.
4. To be eligible for entry, the project must have been completed during the 24-month period prior to the submission date for the awards. (Design concepts, feasibility studies or proposals, or partly completed projects cannot be entered.)
5. Entrants will retain all rights to the entries submitted, except that the LSAA may use any entry for publication, educational material and/or to promote the aims of the Awards or the Association. All material including digital pictures are to be cleared for such use.
6. It shall be the responsibility of the entrants to protect their design by copyright or patent. The entrant shall bear the costs of transporting entries for the purpose of judging, and return to the entrant, and the costs relating to insurance of entries during transport or judging.

The decision of the judges will be final. No correspondence will be entered into. In the event of a decision being unable to be reached in any category, or lack of entries with sufficient merit, the judges may divide, reduce, or withhold awards at their absolute discretion. Receipt of an entry will be deemed to mean acceptance of the Entry Rules by the entrant.



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.

JUDGING

A multidiscipline panel of independent judges will judge the awards.

The judging panel will assess entries according to the following criteria:

- Compliance with the entry conditions
- Overall quality of the design against the stated design brief
- Functionality for the stated purpose
- Overall quality of the execution of the design (choice of materials, construction & detailing)
- Innovation from a design, material use, construction technology etc viewpoint
- Economy of the executed design (use of materials, energy use, maintenance, establishment cost)
- Degree of effectiveness in collaboration between team members vs. the quality of the executed outcome
- Aesthetic quality of the executed design
- The judges reserve the right to determine or change the category classification for any entry.
- Each entry will be considered in one category only.
- Awards may not be awarded any category if the standard of entries is considered unsuited.

ENTRIES

Complete entries will comprise the following:-

- Completed Entry Form - Parts A & B
- High resolution colour digital photographs
- Entry Form Questionnaire Part C
- Additional information, photos, CD (optional)
- Registration fee

ENTRY FORM

Part A	Provides name and details of entrant and other credits. (Not given to judges.) Must also declare that Copyright clearance has been obtained and that LSAA may use the information for publication or educational material
Part B	Shows entry identification number and entry details for judging.
Part C	Required questionnaire giving details of the project.

Entry forms may be obtained from the website www.LSAA.org or by contacting the Awards Convenor.

ENTRY IDENTIFICATION

Each entrant is to choose a four-digit number and use this number to name the digital images submitted and to put in the subject line of any related emails.

The first digit of this number should identify the category, ie. 2XXX for Category 2, Medium Structures.



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.

HIGH RESOLUTION COLOUR PHOTOGRAPHS

Design Awards entries and winners will be published on the LSAA website and a CD. A printed booklet is being considered.

At least eleven colour digital images of reproduction (by printing) quality are to be submitted with each entry. Digital image filenames are to start with the same 4 digits as the entry identification plus a sequence number with a 3 letter extension (jpg) to indicate the image format. Example 2XXX_01.jpg
Images are to be in PC format

Images must be clear, sharp and true to colour and of at least 2048x1536 pixel resolution (High quality JPEG format preferred, second choice is TIFF). Be careful to limit the overall size of an email to approximately 5Mb.

Images are to illustrate the building or structure fully within its environment setting and are to include the following:

- at least three (3) images of the exterior of the building/structure showing its setting from different angles;
- at least three (3) images of the interior of the building/structure showing clearly the quality of the overall internal space;
- preferably two (2) images taken during the erection of the structure
- at least three (3) images of close-up details showing the quality of execution. Long distance or fuzzy shots with no detail visible will be considered adversely during judging.

ADDITIONAL INFORMATION

In addition to the reproduction quality digital images detailed above, entrants may submit additional video files, digital images (no more than 20 per entry) in electronic format on CD to assist the judges overall appreciation of the entry.

Entrants are encouraged to provide additional information, such as drawings (PDF), technical notes, as well as the Required Questionnaire Part C of the entry form to aide the judges.

A maximum of five (5) pages of additional information may be submitted and entrants are to provide them in A3 or A4 format in an unsecured PDF format. (CAD files will only be accepted in PDF form without any means of identification – such as might exist in title blocks on drawings.)

ENTRY FEES AND PAYMENT

Any number of projects may be submitted by an entrant.
All projects entered must be accompanied by a Registration Fee:

	Fee per Project Entered
LSAA Members	A\$150
Non-Members	A\$250

Cheques payable to “LSAA Design Awards” or **payment by direct deposit** using “Award XXXX” (XXXX is your chosen Entry Identification number) as the Reference code.

Account: Lightweight Structures Association of Australasia Inc.

BSB 013 267 Account: 3524 14135 Please email details of receipt to awards@LSAA.org



LSAA

LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA INC.

PRIZES, PRESENTATION & PUBLICITY

Up to three overall Awards of Excellence, plus Citations of Merit in each category will be issued at the discretion of the judges. The Design Awards will be presented at the LSAA 2011 Conference Dinner. The appropriate media will be notified and provided with details of the awards.

SUBMISSION DATE

All entries must be complete and hardcopy and electronic copies are to reach the Awards Convenor **NO LATER THAN 4th SEPTEMBER 2011. LATE ENTRIES WILL NOT BE ACCEPTED – ALL MATERIAL TO BE IN DIGITAL FORMAT**

2011 AWARDS CONVENOR

2011 LSAA Design Awards Convenor
18A FREEMAN AVE
OATLEY NSW 2223 AUSTRALIA

PH: +61(0)2 9570 6100
email: awards@LSAA.org

CHECK LIST

1. Entry form Part A completed, 4 digit Identification Number selected
2. Entry has been cleared with other parties / owner
3. Entry forms Parts B (required) and C (optional but advised) completed from the MSWord document.
4. CAD drawings only in PDF format
5. Required number of high resolution digital pictures provided with correct filenames
6. LSAA cleared to use submitted material as noted
7. All Material must be sent by email. Added hardcopy advised.
8. Entry fee paid (cheque or direct deposit with correct reference code)