

2020 LSAA “DESIGN AWARDS”

INVITATION FOR ENTRIES – **CLOSING DATE TBA**

The Lightweight Structures Association of Australasia (LSAA) invites entries for the 2020 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 (cable nets 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.
- 8 INTERNATIONAL PROJECTS
Any lightweight structure may be submitted that satisfies the Entry Conditions. International Projects may be judged in one of the 7 Categories above.

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 a stadium roof, or 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 through to erection processes.

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 rough 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 on its website as an article or blog, as part of educational material and/or to promote the aims of the Awards or the Association. **All material including any copyright digital pictures are to be cleared for such use by the LSAA.**
6. It shall be the responsibility of the entrants to protect their design by copyright or patent. The entrant shall bear the costs of preparing entries for the purpose of judging. All material is to be in the required electronic form.

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.

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 – cleared of any restriction such as Copyright for use by the LSAA
- Entry Form Questionnaire Part C
- Additional information, photos, CD or “Dropbox” (optional), videos and any CAD drawings in PDF format
- Registration fee (for each project)

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 awards@LSAA.org.

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.

HIGH RESOLUTION COLOUR PHOTOGRAPHS

Design Awards entries and winners will be published on the LSAA website.

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. Alternate transmission means such as Dropbox are acceptable.

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 a “Dropbox” to assist the judges overall appreciation of the entry. Entrants are encouraged to provide additional information, such as drawings (in PDF format only), 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.)

PAYMENTS AND CHECK LIST

Remember

1. to include good quality digital photographs (cleared of any copyright restrictions) and captions as described in the Entry Rules.
2. Payment via direct deposit for the appropriate amount (current LSAA Financial Members are \$NZ200/\$AUD200 per entry or Non-members at \$NZ 300 /\$AUD 300 per entry).
3. Direct Deposit of Entry Fees **is preferred** (LSAA does not have credit card facilities).

For Australian entries

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

ANZ, Account: Lightweight Structures Association of Australasia,

BSB: 013 267, **Account:** 3524 14135

If using Direct Deposits, please use as a Reference

“DA plus your mobile phone number”, for example DA0428414093

and then email confirmation receipt to awards@LSAA.org

4. Submit this form (in unsecured MSWord format) after completing the spaces.
5. When emailing images, ensure you have named the files using your entry ID Code + sequence number (for example: 2167_02.jpg) and limit total email sizes to 5Mb each please and use the ID Code somewhere in the subject line of the emails.

6. Closing Date is TBA