

2022 LSAA “DESIGN AWARDS”

INVITATION FOR ENTRIES

CLOSING DATE FRIDAY DECEMBER 17 2021

The Lightweight Structures Association of Australasia (LSAA) invites entries for the 2022 LSAA Design Awards given in recognition of excellence in design, innovation, construction and application of Lightweight Structures.

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.

Entries in the following categories are invited from individuals, companies and institutions.

CATEGORIES

Awards will be considered in the following categories:

- 1 SMALL STRUCTURES
Domestic, Commercial but with 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
Examples would include stadia roofs, shopping malls.
- 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 or innovative structure may be submitted that satisfies the Entry Conditions. International Projects may be judged in one of the 7 Categories above. Entries in this category need not have “predominantly Australasian content”.

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 efficiently resisting a particular load case (self-weight, 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 to these Awards, the project must have been completed since October 2018.**
5. Design concepts, feasibility studies or proposals, or partly completed projects cannot be entered.
6. Entrants will retain all rights to the entries submitted, except that the LSAA may use any entry – including associated images - for publication on its website as an article or blog, or as part of educational material and/or to promote the aims of the Association.
7. **All material including any copyright digital pictures are to be cleared for such use by the LSAA.**
8. 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.
9. All material is to be in the required electronic form for example unprotected MSWord for details of the project, A3 or A4 sized drawings in PDF format, images in high resolution JPG, Tiff, PNG or RAW format. Additional material may include videos (MP4 format) and time lapse images.
10. Submission of material may/would require use of access to a facility such as Dropbox, Google or One Drive.

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

Judging will be done based only on the submitted material in useable digital form. There will be no visits to the physical project. It is therefore important to supply sufficient documentation and images to properly assess your entry.

A multidiscipline panel of independent judges will judge the awards. Any judge with any involvement in a particular project will not take part in the judging of that project.

The judging panel will assess entries generally 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.

Any entry may be disqualified if sufficient detail description, list of project credits or digital images are not supplied or if the entry fee has not been received prior to judging.

Awards may not be awarded in any category if the standard of entries is considered unsuited.

ENTRIES

Complete entries will comprise the following digital documents:-

- Completed Entry Documents A & B
- High resolution colour digital photographs – cleared of any restriction such as Copyright for use by the LSAA
- Entry Form Document C or a separate document using Doc C as a guide
- Project “Media Release” – Part D
- Additional information, photos, or “Dropbox” (optional), videos and any CAD drawings in PDF format
- Registration fee (for each project)

ENTRY DOCUMENTS

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
B	Shows entry identification number and entry details for judging.
C	Required document giving details of the project and your contribution.
D	Required “Media Release” document highlighting your contribution to the success of the project.

Entry forms may also be obtained from the website www.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 twelve 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). Be careful to limit the overall size of an email to approximately 5Mb. Alternate transmission means such as Dropbox, shared Google Drive 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 / Google Drive 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 Document C (or equivalent) 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 preferably without any means of identification – such as might exist in title blocks on drawings.)

MEDIA RELEASE

For the 2022 Design Awards we are also asking for a one page MSWord document or “Media Release” about the project. The LSAA will use this Media Release on Social Media as well as on the LSAA website under the appropriate Project Category.

The Media Release should have the Project Name, one “hero image”, description (maximum of 500 words) and contact details.

The Media Release will NOT be given to the Judges but used for promotional purposes.

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. Direct Deposit of Entry Fees.

Payment via direct deposit for the appropriate amount (current LSAA Financial Members are \$NZ400/\$AUD400 **per entry** or Non-members at \$NZ 500 /\$AUD 500 **per entry**).

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

3. Submit your entry documents in **MSWord format** (for a Windows PC) after completing the spaces or writing a separate document..
4. 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.
Entries can be submitted supplying a link to a folder on “Drop Box” or equivalent (Google or One drive). Email link to awards@LSAA.org and ask for confirmation of download.
5. Extensions of time will generally only be granted if part of your entry (Docs A and B at least plus payment) has been received by the closing date. You may be awaiting images or videos from an external source for example.

6. Closing Date is December 17 2021