

Student Competition Design Brief *Connecting to tomorrow*

This new award is open to small teams of students currently enrolled in a tertiary institution to develop and present a conceptual design that embodies the principles of lightweight structure and emphasises sustainability and the need to address social and climate change issues. This year's event raises awareness of the **human-environment-future relationship**.

Site, location, and context

Sidney Myer Music Bowl, Melbourne, Victoria 3004. Set in the Kings Domain Gardens, the Sidney Myer Music Bowl, with its 2000 seats and sprawling lawn, is a popular outdoor venue that has been part of Melbourne's entertainment scene since 1959. Administered by [Arts Centre Melbourne](#), the Bowl also stages an annual free summertime concert series presented by the Melbourne Symphony Orchestra.

Brief

This design competition aims to inspire students to challenge the traditional purpose of temporary outdoor structures. Participants are encouraged to showcase innovative design ideas and interventions that provide shade, seating and support for festivals held at the Sidney Myer Music Bowl. The designs should offer a respite from the sun and promote the creation of a welcoming atmosphere. The designs must be transformable and reusable as interim, temporary shelters in the aftermath of disasters and crises to promote the use of existing capacities, resources, and social networks.

The pavilion(s) must fulfil all the below requirements:

- Removable and transformable, i.e. assemble and disassemble with ease, in max one day. It must be designed to be reused as a post-disaster shelter.
- Not larger than 400 sqm (footprint), not smaller than 100 sqm. Not higher than 9 m.
- Structurally optimised and lightweight. Lightweight Structures include 1) Form-active, 2) Vector-active, 3) Section-active, 4) Surface-active, 5) Height-active, 6) Hybrid, and 7) Geometry Structure form. Please refer to Heino Engel's book *Structure System*.

Competition Design Criteria

Design Quality and Response to the brief: Creativity and innovation in interpreting the brief, a high degree of spatial quality and resolution, appropriate and culturally relevant architectural language, legibility and ease of use, interaction between internal and external environment, and flexibility and adaptability to suit the brief. Overall response to the design brief.

Skin systems: Relationship of aesthetic and performance aspects of the pavilion(s) envelope; this includes sources of inspiration and climate considerations.

Structural resolution and relevance to the field of lightweight structures: Creativity and innovation in interpreting the concept of lightweight structures, including details on any unusual design loadings, ground conditions, geometry, and methods of arriving at the final solution.

Environmental awareness: Successful translation of environmental control and circularity principles into architectural language; this includes longevity and reusability of the materials used.

Tectonics and assembly process: Detailed resolution and refinement; integration of materials and components based on their physical properties; appropriate fabrication techniques and material systems adopted.

Curation and representation of the design intent: Quality, clarity, and coherency of design thinking and design proposal.

Application

Eligibility: The competition is open to any undergraduate or graduate student grouped in teams of a minimum of two and a maximum of four members. Students should study in art, architecture, landscape architecture, design, engineering, and/or other creatively focused programs. Collaborative and interdisciplinary designs are highly desired. There are **no entry fees**.

Each team will have a corresponding member who will handle the registration, submission and correspondence with the LSAA committee.

Students are required to register **here** with their university account.

Applications for registration close at 6 pm on 19 July 2024.

Upon successful registration, each participating group will be contacted directly by email and be given access to a portal for material download and submission. You will be notified by email of the outcome approximately 2 weeks after the published closing date.

Registered teams will submit their projects no later than 26 August 2024.

The best three shortlisted projects will be exhibited at Swinburne University of Technology, John St, Hawthorn VIC 3122; room + provide a plan. Posters must be pinned up on **11 September 2024, 9AM-1PM**. The three groups will present their projects during the Award session of the LSAA conference (12 September). The prizes will be awarded at the end of the session.

Awards:

1st place 50%

2nd place 30%

3rd place 20%

Submission requirements: Students are required to submit their work electronically as a single PDF file, comprising 2xA1 panels, portrait orientation, including:

Site plan 1:500 showing the placement of the pavilions, massing, and circulation to show how the new structure activates the place; plans and sections of the pavilion(s) 1:100; details (1:20 to 1:5); 3D views and renders, design statement and design thinking process.

We will only accept **PDF** files. The single file **PDF** will comprise two A1, colour; must be named "university name_group name": for example, "RMIT_Team683."

Presentation format: the three shortlisted teams will present their projects in Pecha Kucha 20x20 format (20 slides x 20 seconds each <https://www.pechakucha.com/>) in a dedicated session of the LSAA 2024 Conference.

Jury Panel

Prof Mark Burry (SUoT), Prof Brendon McNiven (ABP), Roland Snooks (RMIT)

Enquiries

For all enquiries regarding the competition, please email studentcomp@lsaa.org
We shall reply to your email within three (3) business days.

Online registration for each Team

Please email details of your Team with the information below to studentcomp@lsaa.org

You agree to be contacted by the LSAA Student Design Competition committee.

- Corresponding member first and last name
- All members names and last names + tutors
- Institution
- Corresponding member Institutional email
- All members institutional emails
- Team name

Privacy Statement - registration

The names and email addresses entered in the registration email will be used exclusively for the purposes of the LSAA Students Design Competition and will not be made available for any other purpose or to any other partner

Privacy Statement - submission

The names and email addresses entered in the registration online form will be used exclusively for the purposes of the LSAA Students Design Competition.

Each entrant licenses and grants the LSAA committee and its affiliates a non-exclusive, fee-free, royalty-free, perpetual, world-wide, irrevocable, and sub-licensable right to use, reproduce modify, adapt, publish, and display their entry

All Entries may be uploaded onto the LSAA's website. Entries may be displayed on the LSAA's blog, Facebook page, Instagram account, Twitter account or any other social media platform and in any digital communications.

References

<https://www.thersa.org/student-design-awards/design-briefs>