

A BRIDGE to a View

21st Annual Architectural Student Design Competition 2021-2022

Canadian Institute of Steel Construction

Registration Deadline (free)

April 1, 2022

Submission Deadline

May 13, 2022

Awards

1st Prize - Award of Excellence

student team **\$8,000**

faculty sponsor \$2,000

2nd Prize

student team **\$4,000**

faculty sponsor \$1,000

3rd Prize

student team **\$2,000**

faculty sponsor \$500

Honourable Mentions

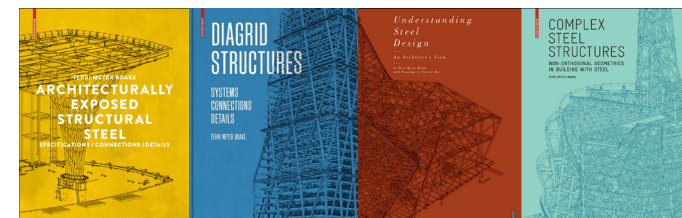
at the jury's discretion 1 book/student

Competition Theme

Students in Canadian Schools of Architecture are asked to design a pedestrian bridge that will span between two sites to establish a meaningful connection. The bridge, by its elegance and gesture, should draw attention and be the symbol of a link between an origin and destination. By engaging on the bridge, one should discover a new perspective. The bridge is to act as a platform to pause and view an intermediate space. The purpose is not just about crossing, but about offering an opportunity to gain knowledge about a site. To favour viewing, its structure may incorporate a platform, benches and seats, interpretation plates, signage, lights and any other appropriate feature.

Site

The site is in Canada, left at the student's discretion. It may be in the wilderness, between steep mountains, cliffs and valleys or in an urban environment. The bridge can connect two municipalities, a suburb to a forest, allow to cross over a river or a motorway. The choice should be explained in the text describing the proposal. Images of the context and the bridge's connection with the site at either end should be clearly illustrated.



Program

The program is about connecting two sites while offering a unique perspective of an in between space. The bridge's design must elegantly express a path made of steel spanning between two topographies offering the opportunity to pause and observe.

The structural steel construction of the bridge must be part of its essence and appearance.

Structural steel offers a variety of expressions, from solid rectangular plates to curved and delicate members, it may express simplicity or intricacy, the choice is left to the competitor's creativity to propose an original signature.

Photo credit: Timothy Holczak

Jury (TBA)

A jury composed of architects and engineers who have been past CISC winners for their outstanding work in steel construction or whose achievements has been recognized in publications will be announced shortly.

Judging Criteria

- Aesthetics and ingenuity
- Incorporation of competition theme
- Use of structural steel
- Buildability (specification of steel sizes and shapes)
- AESS finish

Competition Objective

The competition aims to introduce students with the use of exposed structural steel and show them the design potential in terms of formal expression, detail and surface finish.

Proposals must exclusively use steel in the design of the structure and for surfaces where appropriate. The design must demonstrate an understanding of the properties and possibilities steel has to offer.

The competition theme requires students to:

- elaborate a structural frame with steel elements
- design buildable connections
- collaborate with a steel fabricator to choose the steel members and the connections

Collaborative Process

Collaboration between designer(s) and fabricator(s) is encouraged to familiarize students with the industry and allow them to develop a proposal in the context of real construction.

Students and faculty sponsors are encouraged to seek advice and guidance from their local steel fabricators to help them choose the right steel sections and elaborate their design.

Eligibility

The competition is open to all current full-time students (individually or in teams of maximum 3) registered in a Canadian school that offers an accredited or non-accredited program of architecture or architecture / engineering of at least 3 years duration.

Each student team should register and identify a primary contact for the team. A faculty professor that endorsed the individual or team must be provided. Teams that include students in engineering are encouraged to participate.

The competition may be conducted as part of a design studio project under the direction of the faculty sponsor or as an independent extracurricular self-directed project. In all cases, winning entries and their faculty sponsor will receive the stipulated prize.

Registration and Submission Requirements

Registration is free.

Full requirements are posted on the CISC website (<https://cisc-icca.ca/architecture-student-design-competition/>).

Schedule

August 3, 2021

April 1, 2022

May 13, 2022

June 17, 2022

September 2022

October 2022

Enquiries

Competition announced

Registration deadline

Submission deadline

Announcement of winners and

publication of winning entries

Award of Excellence presented

at the CISC Canadian Steel

Conference in Vancouver and

exhibition of winning entries

Touring exhibition of finalists

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Sponsors



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