

Institution of Civil Engineers Hong Kong Association Graduates and Students Division Model Building Competition 2026

Information pack

The Model Building Competition is a team-based competition for civil engineering undergraduates where they would put knowledge from lectures into practice by designing and building a structural model. This is the perfect occasion for undergraduate students to develop a passion for engineering as they put their creativity, problem-solving skills and workmanship to the test. Participating students are also required to briefly introduce their design, referencing the engineering principles applied and their idea-generation process.

The theme of Model Building Competition 2026 is 'Structural design of buildings against seismic loading'. Participants are required to build a model with provided materials within a limited time. The model will then be tested on a vibratory table.

- Teams must be formed by undergraduate students.
- Four to six members are allowed in one team.
- All team members must be Student Members of the Institution of Civil Engineers.
- All team members must attend on the day of the competition.
- Contestants from previous years are allowed to join the competition.
- Where more than eight teams have registered their interest, teams will be selected by a draw.
- A refundable deposit of HKD100 per team will be collected during registration. The deposit will be refunded if the team is not enrolled in the competition.

Competition format

The competition is divided into three parts, namely model building, testing and presentation. The general rundown, project specifications, rules and judging criteria will be made available to successful teams after registration.

Deadline of application: Friday 13 February 2026

Date of competition: Saturday 18 April 2026

[Register for the Model Building Competition 2026](#)

Model building session:

Each team will be given limited time to complete their models, which shall conform to the specifications provided. Teams shall follow the rules and conditions of the competition, and use only materials and tools provided by the organising committee. A penalty will be imposed if teams work beyond the allocated time or fail to observe the rules and conditions. Teams will also be penalised if their model does not comply with the specifications.

Testing session:

Details of the test procedures will be provided in the specifications. The performance of the model will be assessed based on (i) taking physical measurements and (ii) assessing the performance through a series of tests.

Tests will be performed by the ICE HKA G&S Model Building Competition 2026 organising committee or qualified technicians.

Presentation:

Each team will be required to deliver a timed presentation to briefly introduce their design, referencing the engineering principles applied and their idea generation process. The presentation shall be delivered entirely in English, and a penalty will be imposed if the presentation exceeds the allowed time. Innovative designs will also be recognised with extra credits.

Prizes

The following cash prizes will be awarded to the following teams:

Champion	HKD2,000 and certificates
First runner-up	HKD1,500 and certificates
Second runner-up	HKD1,000 and certificates
Best presentation	HKD500 and certificates

Prizes and certificates for the champion, first runner-up, second runner-up and for best presentation will be presented after the end of the event.

*Eligible students may register [here](#) for free student membership.

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ICE HKA G&S reserves all rights of the competition except the results of the competition, which shall be at the discretion of the judges.