



american concrete institute SINGAPORE CHAPTER

Our Annual Concrete Project Competition Project Competition ACI (SC) 2022

Organizer

An annual “**Project Competition ACI (SC) 2022**” will be organized by American Concrete Institute (Singapore Chapter) and American Concrete Institute Singapore Student Chapter on **Friday, 16th December 2022 Online/In-Person** from 0900-1700 hours. The theme of this competition is “**Advanced Concrete Materials & Technologies for the Future**”.

Theme

The project competition, comprising summary and PowerPoint presentation, seeks for new ideas to address the challenge facing the built environment of the future. The development of new concrete material, new concrete performance to meet the goal of sustainability is on the minds of many government bodies. The commitment of Net Zero Carbon emission by 2050 is a real challenge for our city state of Singapore.

The project can be selected from any topics related to research, innovation and technology of concrete composites and building construction to improve the quality of living through designing and building sustainable and liveable cities, which include and not limited to:

Smart building materials; green concrete/composites; nano-materials; urban greenery and ecology; ready-mixed concrete; underground structures; floating structures; carbon footprint; low-energy building; land reclamation; climate change; resilient infrastructure; 3D printing for construction.

Eligibility

This competition is open for two categories (**see item 2 under Rules and Regulations below**) who are interested in the innovation and application of high-quality materials, technologies, construction, as well as engineering practices to promote urban sustainability and productivity. A limit of one entry per participant/team has been fixed. **Registration for Project Competition is free.**

Rules and Regulations

1. Entries submitted may be individual or group entries of not more than 5 members. Each participant/team is allowed to submit **one** entry only.
2. There are two categories in this competition:

Students' Category – for Polytechnic, ITE and Junior College Students
Open Category – for Students, Academics and Researchers from Universities and Practitioners from Industries

3. Interested participants/teams are to **submit completed project summary (see template in Annex 1)** to email address below **by 7 December 2022, 11:59PM (Singapore Time)**:

Subject: **Submission by “XXX” (“Participant’s Name”) to Project Competition Summary at ACI (SC) 2022**
Email address: **admin@concrete.org.sg**

4. Each entry must be original and unpublished work of the participant/team, and shall not have been submitted for any other competitions.



american concrete institute SINGAPORE CHAPTER

[Note: All submissions will be reviewed, and **five** shortlisted entries from each category will be announced on **9th December 2022.**]

5. Team members of shortlisted entries are required to present their respective project Online/In-Person at **Project Competition ACI (SC) 2022 on 16 Dec 2022 0900-1700.**
6. The presentation by each participant/team should **not be more than 15 minutes.** This duration shall be strictly adhered to, and the participant(s) are judged by their performance in presentation within the 15 minutes.
7. The question and answer (Q&A) session by the judging panel shall follow after the presentation.

Judging Criteria

8. All entries shall be judged based on the following criteria:

Project summary (written language, innovativeness, application)	45%
Project presentation (quality of presentation materials, written language, spoken language, adherence to 15-min presentation, promptness/quality of answers, impact factor)	55%

9. The decision of the panel of judges shall be final. The organizer and the judges are not obliged to provide any reasons or enter into any discussions or correspondence relating to these rules and regulations, the organization of the competition, or any of the judges' decisions.

Results and Prizes

10. The **Online/In-Person presentations** will be held at **Project Competition ACI (SC) 2022 on 16th December 2022.**
11. The results will be announced at the final session of the conference. **Five** prizes in each category will be awarded as follows:

Award	Students' Category	Open Category
Gold	S\$400	S\$800
Silver	S\$300	S\$600
Bronze	S\$150	S\$300
Merit	S\$100	S\$200
Commendation	S\$50	S\$100



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Annex 1: Official Template and Entry Form

Project Competition Summary ACI (SC) 2022

NAME OF PARTICIPANT(S) : _____

Organization: _____

ADDRESS : _____

CONTACT TEL : _____ (Office)

_____ (Mobile)

EMAIL ADDRESS : _____

NATURE OF BUSINESS : _____

Category: _____

Project Summary

Each participant/team is required to prepare a project summary comprising the following sub-headings (Arial font – size 12; line spacing 1.5; maximum 5 pages of text which can be in bulleted form; maximum 5 pages of attachments e.g. figures, tables, diagrams and photographs if any):

Project Title

Abstract (maximum 100 words)

Introduction

[Problem(s)/Issue(s) Arising, Solution(s), Key Challenge(s), Innovativeness, Application(s) must be stated]

Materials and Methods

Results and Discussion

Conclusions and Recommendations