Presentation of Sherbrooke student chapter

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For its activities, the ACI Sherbrooke student chapter is supported by:

- GROUPE CIMENT ET BÉTON
- UNIVERSITÉ DE SHERBROOKE
- CRIB
- ACI
- ACI QUEBEC & ONTARIO
- Contruction
- Association Canadienne du Beton
- Sika
- Kruger

ACI Student Forum, ACI Fall Convention, October 16, 2017, Anaheim

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ACI Sherbrooke is a student chapter of the American Concrete Institute (ACI) at the University of Sherbrooke.

Objectives of the Student chapter

1. To encourage exchanges between students and professionals
2. To participate in promoting the Université de Sherbrooke
3. To promote the visibility of the research in the field of concrete structures and cementitious materials
ACI Sherbrooke is a student chapter of the American Concrete Institute (ACI) at the University of Sherbrooke.

Objectives of the Student chapter

I. To participate in various student competitions organized by the ACI in North America

II. Promoting ACI Sherbrooke student chapter activities

Introduction

This non-profit student section has 124 graduate and undergraduate members.

Membership

- In full growth
  - 45% Bachelor students
  - 24% M.Sc. Students
  - 21% Ph.D. Students
  - 10% others
The executive board is composed of:

- A president,
- A Treasurer,
- A Secretary,
- A communication VP
- Representatives of research group

### Executive members

![Executive members image]

### Activities

#### Technical and educational presentations
Invited speakers from different communities: Other universities, industry, consultants, designing.

#### Technical visits
Construction sites, industrial concrete projects, and cement and concrete plants.

#### Competitions
Student competitions for graduate and undergrad students such as: Eco concrete, quad chart, and photography.

#### ACI Conventions
Organizing trips for students to participate in ACI competitions and talk about their research projects
Since 2014, the ACI Sherbrooke student chapter has offered to its members:

- 30 presentation
- 7 technical visits
- 4 ACI conventions
  - Washington, F2014
  - Philadelphia, F2016
  - Detroit, W2017
  - Anaheim, F2017

Lectures and networking events

Talking about your research project for 5 minutes on one slide that is divided to four sections.

Quad chart competition (Published in Concrete International, September 2017)

The second version was held on May 24, 2017 at the Siboire Jacques-Cartier and 36 people were present including 11 competitors.
EcoConcrete Student Competition (Anaheim 2017)

Developed by Sherbrooke Student chapter

A two-year project and collaboration of 19 students

Outline

• To promote the idea of environmental performance in concrete mix design as an important aspect of sustainability.

• To develop an innovative concrete mixture, with the lowest environmental impacts while maintaining maximum mechanical and durability performance.

• To seek out and use local sources of concrete materials (SCMs, ASCMs, recycled aggregates, etc.)

ACI Conventions

Philadelphia
Autumn 2016

• ACI Sherbrooke student chapter delegation consisted of 13 students.

• 6 students presented their research studies (5 oral and 1 poster).
ACI/RILEM Conference

• Sherbrooke chapter members mainly assisted in moderating more than 24 sessions, organizing tours, and conference documents.

• 9 members presented their research studies.

To promote civil engineering work in concrete and stimulate the creativity of students at the University de Sherbrooke.

Categories:

- Architectural Concrete
- Concrete Deterioration
- Concrete in laboratory
Denver
Automne 2015

Eight undergraduate students and ACI Sherbrooke members competed in the student competition;

Pervious concrete cylinder competition

The delegation finished 13th out of a total of 49 participating teams.

Philadelphia
Automne 2016

For undergraduate students who competed in the student competition;

Mortar workability

The delegation finished 10th out of a total of 48 participating teams.
Student competitions

Kansas City Winter 2015 and Detroit Winter 2017

At the ACI convention undergraduate students and members of Sherbrooke chapter participated in the student competition,

FRP Composite Competition

One of the teams from the Université de Sherbrooke delegation finished 6th out of a total of 11 teams.

The ACI Sherbrooke Student chapter thanks you for your attention.