



Announcement and Call for Papers



8th International Conference on Advanced Composite Materials in Bridges and Structures

August 18-20, 2020, Sherbrooke, QC, CANADA

Welcome to ACMBS-VIII

The 8th International Conference on Advanced Composite Materials in Bridges and Structures, ACMBS-VIII, will be held in Sherbrooke, Quebec, Canada from 18-20 August 2020. One of the longest running conference series focusing on this topic, the conference is organized under the auspices of the ACMBS Technical Committee of the Canadian Society for Civil Engineering (CSCE). The conference is hosted by University of Sherbrooke. The success of the previous conferences (Sherbrooke, 1992; Montreal, 1996; Ottawa, 2000; Calgary, 2004; Winnipeg, 2008; Kingston, 2012, and Vancouver 2016) has established this event as a premier forum for the exchange of knowledge and experience with the use of advanced composites in bridges and structures.

Objectives

The objectives of the ACMBS-VIII Conference are to provide a forum for the presentation and discussion of recent developments in the use of advanced composite materials (ACM) and fibre reinforced polymers (FRP) in bridges & other structures, and to provide an opportunity for national and international delegates from industrial, research and academic institutions to interact and share their knowledge, to learn about new and innovative technologies in the field, and to discuss future directions.

Conference Topics

ACMBS-VIII will deal with all aspects of research, applications and monitoring of advanced composite materials and fibre reinforced polymers in the design, construction and rehabilitation of bridges and other structures. Topics of the conference will include but are not limited to:

- Material behaviour including bond, durability, fatigue and long-term performance
- Fabrication, processing and testing methods for straight regular and bent bars
- Analysis and design of concrete structures internally reinforced with FRP bars
- Applications in structural concrete with or without prestressing
- Applications in wood, masonry and steel structures
- Strengthening and rehabilitation of structures
- Seismic performance of internally and externally FRP reinforced concrete structures
- Structural health monitoring and intelligent sensing
- Fire resistance
- Structural shapes and fully composite systems
- Bond development and splice length of FRP bars
- Anchorage systems, connections and innovative structural systems
- Full-scale testing, field applications, and case studies
- Codes and standards
- Recycling, sustainability and life-cycle costs

Call for Papers

Authors are invited to submit 200-word abstracts related to the topics listed above not later than June 15, 2019 by e-mail to acmbs2020@usherbrooke.ca. Please indicate the relevant conference topic on the abstract. Preliminary selection of papers will be based on review of the abstracts. Final acceptance will be based on review of the full papers. Both the abstracts and the full papers will be reviewed by an International Scientific Committee. All accepted papers will be published in the proceedings which will be available at the conference.

Schedule and Deadlines

Submission of abstracts:	June 15, 2019
Acceptance of abstracts:	July 15, 2019
Submission of full papers:	November 15, 2019
Acceptance of full papers:	March 15, 2020
Submission of final full papers:	April 15, 2020

Keynote Lectures

Internationally recognized experts in the fields of FRP and ACM and their applications in bridges and structures will deliver keynote lectures on key topics of the conference including innovative design, durability, strengthening and rehabilitation, structural health monitoring, and future directions.

Exhibition

The conference provides an opportunity for local and international companies to display their latest products, services and projects in the areas of ACM and FRP reinforcements and prestressing tendons for bridges, other structures and ground anchors, repair and rehabilitation, monitoring, design and construction. The exhibition will be an excellent venue for the conference participants to become familiar with a wide range of commercially available composite products, optical fibre sensors, and remote monitoring for construction applications. The exhibition will open daily from 8:30 am to 5:00 pm. Refreshment breaks will be held in the exhibition area. Companies interested in participating in the exhibition are invited to visit the conference web site for more information and to contact conference secretariat by e-mail at: acmbs2020@usherbrooke.ca, to reserve a space.

Correspondence and Inquiries

Conference Chair:

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For more information please visit the conference web site at: www.acmbs2020.ca

We look forward to seeing you in Sherbrooke!