ACI Université Laval Student Chapter Visits Béton Provincial

The ACI Université Laval Student Chapter had an exciting and impactful year in 2024, highlighted by a series of events, such as lunch conferences and networking opportunities. Among the most notable of these events were three plant tours.

For one of the tours, several student chapter members visited a ready mixed concrete plant, Béton Provincial, Québec City, QC, Canada, on February 27, 2024. This visit highlighted the importance of quality control, efficient logistics, and adaptability to meet various construction project requirements. The students appreciated the opportunity to see how theory translates into real-world applications, especially regarding mixture design, batching precision, and environmental considerations. Special thanks to André Samson; this visit would not have been possible without him.

ACI Université Laval Student Chapter members toured Béton Provincial

ACI Hashemite University Student Chapter Hosts the First Annual Meeting for ACI Student Chapters in Jordan

The Hashemite University in Zarqa, Jordan, hosted the first annual meeting of ACI student chapters in Jordan, marking a significant milestone in fostering collaboration among students. The primary goal of this gathering was to exchange innovative ideas and future plans among the various student chapters. Emphasizing the power of collaboration, the meeting aimed to highlight how working together can enhance educational benefits and opportunities for all students involved in concrete studies and industry practices.

As part of the event, attendees had the opportunity to visit the Built Environment and Structural Systems Center at The Hashemite University. This visit was instrumental in showcasing the center's capabilities while promoting the critical importance of student involvement in research at the undergraduate level. Engaging students in practical research experiences not only enriches their education but also prepares them for future careers in the field.

To further inspire creativity and practical application, students from all chapters were tasked with crafting table lamps using concrete. This activity aimed to promote the use of concrete in decorative applications, encouraging students to explore the material's versatility beyond traditional uses. Through collaboration and creativity, the meeting laid the groundwork for a vibrant future for ACI student chapters in Jordan.

The first annual meeting of ACI student chapters in Jordan hosted by The Hashemite University in Zarqa

ACI Al-Balqa' Applied University Student Chapter Bridge Design Competition

Organized by the ACI Al-Balqa' Applied University (BAU) Student Chapter, the design competition took place at the Faculty of Engineering, BAU in Salt, Jordan, on August 21, 2024. The competition targeted civil engineering students, merging creative design with structural engineering skills. The goal was to provide students with a real-life experience where they would mimic a bridge stress test and analyze the ultimate load before failure. Such competitions encourage teamwork, stress management, and the application of theoretical knowledge to real-world scenarios. The event aimed to foster research and enhance the students' understanding of material behavior while enriching their engineering mindset and experience.

Scheduled to occur annually, the inaugural Bridges Competition at BAU symbolizes a commitment to building a brighter and more connected future. The competition was funded by the Faculty of Engineering, which supported the organization of the competition and the creation of a suitable

Bridge testing through load application

Participants of the Bridges Competition

environment for the students.

The competition spanned 2 days. On August 20, 2024, the participating teams constructed wooden bridges in the Faculty of Engineering laboratories, working for 6 hours under the supervision of the competition's advisors. On August 21, 2024, the bridges were tested, and the teams were evaluated based on the measurement of the bridges' dimensions to ensure compliance with the specified requirements. The bridges were then loaded to failure to determine their load-bearing capacity. The concrete cubes used for bridge testing were prepared by members of the ACI student chapter team in the university laboratories.

The participants consisted of seven teams, with each team comprising two to five members. All teams successfully passed the first test, and the results were determined based on their performance in the second test. The first-place team consisted of the following students: Ali Al-Rayahneh, Hamza Al-Qadi, Moataz Al-Zubaidi, and Omar Al-Momani.