



DEPARTMENT OF

Civil and Environmental Engineering

SCHOOL OF MINING AND PETROLEUM ENGINEERING



## CONCRETE AT THE EDMONTON ARENA DISTRICT PROJECTS

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### **Abstract**

In this presentation we will discuss some of the real world challenges involved in concrete production for major projects. The Edmonton Arena District Parkade is one of the largest ongoing construction projects in Edmonton. We will discuss some of the concrete being used on the project from the foundation to the surface. This will include; low heat of hydration foundations, parkade slabs, high strength air entrained columns and very high strength structural columns.

### **Bio**

Robert Johnson is the Quality Assurance Manager at Lafarge for Greater Edmonton Area Ready Mix Concrete. He received his B.Eng and M.A.Sc. from Ryerson University in Toronto, Ontario in both Thesis projects, specializing in concrete materials. Rob has worked in Research and Development as a Concrete Lab Intern and Consulting as a Materials Engineer before joining Lafarge. He is a self described "concrete nerd" and believes that education and collaboration in the concrete industry is the key to continued growth and evolution.

**26October, 2016**

**ICE 7-395**

**12:00 p.m.**