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## April Seminar

# SHOTCRETE: Not Your Father's Gunite

<b>Date:</b>	April 24, 2019
<b>Venue:</b>	Theatre C300, UBC Robson Square, 800 Robson Street, Vancouver
<b>Time:</b>	Refreshments 6:00pm, Presentation 6:30pm
<b>Presenter:</b>	Charles Hanskat, P.E. Executive Director and Technical Director, American Shotcrete Association
<b>Cost:</b>	Free for SEABC Members. \$85 + tax for non-members Registration is required: <a href="http://www.seabc.ca/shotcrete">www.seabc.ca/shotcrete</a>

This 1-hour seminar will introduce the audience to the shotcrete process for placing concrete in a wide variety of structural and geotechnical applications. Shotcrete is a time-proven method to quickly and cost-effectively place concrete with a minimum of formwork. Shotcrete inherently provides enhanced sustainability benefits and allows the designer maximum flexibility in shape and thickness of their concrete sections.

Attendees will gain a basic understanding of the capabilities and benefits of the shotcrete process in both new and repair applications. The seminar will cover:

- Definition and History of Shotcrete
- Shotcrete Processes (What's wet-mix, dry-mix, gunite)
- Shotcrete Applications
- Shotcrete Sustainability
- Environmental Conditions
- Surface Preparation for Repair
- Reinforcement Details
- Shotcrete Mix Components
- Shotcrete Placement Fundamentals
- Finishes
- Curing
- Field Quality Control and Assurance
- ACI Nozzleman Certification
- Useful Tools and Resources



Charles Hanskat, P.E., is Executive Director and Technical Director for the American Shotcrete Association. Hanskat has been involved in the design, construction, evaluation and repair of environmental concrete, marine, building and shotcrete structures for 40 years.

He is an active voting or consulting member of many ACI technical and certification committees including the ACI 334, ACI 350, ACI 506 and C660. He is a Board member and Chair of ACI's Strategic Development Council. He was also 2014 President of the American Shotcrete Association. He also chairs ASTM C09.46 Committee on Shotcrete. Hanskat has been active in professional and technical engineering societies. He holds a Bachelor's and Master's degree in Civil Engineering from the University of Florida.

