

ASA Celebrates 20 Years! FIRST ASA SHOTCRETE CONVENTION

March 11-13, 2018 | Silverado Resort and Spa | Napa, CA

Welcome to the American Shotcrete Association's First Convention!



We come together to celebrate 20 years as an Association, dedicated to advancing the shotcrete industry with higher quality and broader acceptance in a wide variety of concrete structures. We commemorate our history and the rise of shotcrete from our start over 100 years ago, yet with keen anticipation look forward to where our industry can be in another 20 years.

Many of the visionaries that banded together to give ASA our start in 1998 are still actively involved today, in our Board of Direction, our committees, and contributing to our *Shotcrete* magazine. You'll have an opportunity to network with these founders and many new leaders in the shotcrete industry. But you'll also meet younger members, some second generation of long established shotcrete businesses, whose enthusiasm and desire to continue the growth of the shotcrete industry is plainly evident, and others who simply want to learn more about shotcrete. Additionally, we are pleased to welcome many innovative resources exhibiting at our event! The informal and beautiful venue for our meals and exhibits is intended to enhance the opportunity for new and renewed connections to be made. We hope all attendees find this unique event a distinct value.

We all look forward to the wealth of knowledge shared in our seminars, committee meetings, and technical sessions. We also look forward to the social opportunities and breadth of outside activities available here at the Silverado Resort and Spa, and the neighboring Napa community. Thanks to all our sponsors for helping to make the convention possible, and finally, thank you for your attendance and participation in this landmark event for ASA.

-Charles Hanskat, ASA Executive Director

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ASA Committee Chairs

Contractor Qualification Committee Marcus von der Hofen, Coastal Gunite

Education Committee

Oscar Duckworth, Valley Concrete Services

Marketing Committee
Joe Hutter, King Packaged Materials Company

Membership Committee Cathy Burkert, American Concrete Restorations, Inc.

Pool & Recreational Shotcrete Committee
Bill Drakeley, Drakeley Industries

Publications Committee

Ted Sofis, Sofis Company, Inc.

Safety Committee Andrea Scott, HydroArch

Technical Committee
Lihe (John) Zhang, LZhang Consulting & Testing Ltd.

Underground Committee Axel Nitschke, WSP USA

RESORT MAP





VIEW TO 18TH FAIRWAY SOUTH COURSE

VIEW TO MILIKEN CREEK

REGISTRATION, EXHIBITS, BREAKFASTS, AND LUNCHES

FAIRWAY DECK

SUNDAY CONTRACTOR QUALIFICATION SEMINAR HANS KORNELL

SUNDAY ACI COMMITTEE MEETINGS FREEMARK ABBEY

MONDAY TRACK A
HANS KORNELL

MONDAY TRACK B FREEMARK ABBEY

MONDAY DINNER
MANSION GARDENS PAVILION

TUESDAY "A" SESSIONS STERLING

TUESDAY "B" SESSIONS HANS KORNELL

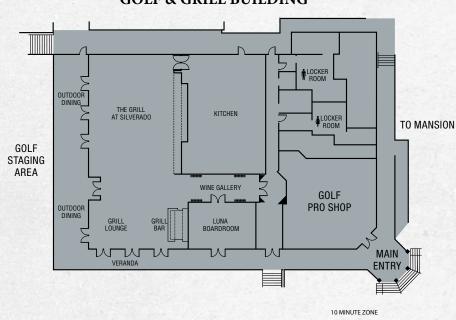
TUESDAY "C" SESSIONS FREEMARK ABBEY

FAIRWAY DECK ELEVATED STAGE & VINEYARDS MML REGISTRATION ENTRANCE SILVERADO EAST **←** TO MANSION **FREEMARK** HANS **ABBEY KORNELL** SOUTH DECK SILVERADO WEST **STERLING JOSEPH** MANSION GARDENS **PAVILION PHELPS BANQUET OFFICE** WEST DECK **BALLROOM**

MANSION GARDENS

GOLF OUTING MEETING AREA

GOLF & GRILL BUILDING



HELPFUL NUMBERS:

CONCIERGE 707-257-5436 OR 707-257-5439

GOLF 707-257-5460

SPA 707-257-5555

SCHEDULES



AT-A-GLANCE SCHEDULE

SUNDAY, MARCH 11, 20	LOCATION		
6:00 AM – 8:00 AM	Exhibitor Move-In	Fairway Deck	
6:00 AM – 8:30 AM	Registration	Fairway Deck	
7:30 AM – 9:30 AM	Continental Breakfast Buffet	Fairway Deck	
10:00 – 4:00 PM Optional Ticketed Events	 Contractor Qualification Seminar (lunch 12:00 PM – 1:00 PM) ASA Golf Outing (boxed lunch) Wine Tour Bike Tour Resort offerings (tennis, biking, hiking, swimming, etc.) 	Hans Kornell (lunch on Fairway Deck) Meet outside Golf Pro Shop Meet outside Market/Bakery Meet at Spa parking lot Varies, see Concierge	
2:00 PM – 3:30 PM	ACI C660 Shotcrete Nozzleman Certification Committee	Freemark Abbey	
3:30 PM – 5:00 PM	ACI C601-I Shotcrete Inspector Certification Subcommittee	Freemark Abbey	
5:00 PM – 6:00 PM	ACI 506-F Underground Subcommittee	Freemark Abbey	
6:00 PM	Dinner on your own	_	
MONDAY, MARCH 12, 2	018		
6:00 AM – 7:30 AM	Registration	Fairway Deck	
6:00 AM – 8:00 AM	Continental Breakfast Buffet	Fairway Deck	
8:00 AM – 4:00 PM	Committee Meetings (2 rooms) Shopping tour Resort offerings (tennis, biking, hiking, swimming, etc.)	Hans Kornell, Freemark Abbey Meet outside Market/Bakery Varies, see Concierge	
4:00 PM – 5:00 PM	ACI 506-H Pool Subcommittee	Freemark Abbey	
6:00 PM – 9:00 PM	Informal Golf Awards/Committee Dinner	Garden Pavilion	
TUESDAY, MARCH 13, 2	2018		
6:00 AM – 7:30 AM	Registration	Fairway Deck	
6:00 AM – 8:00 AM	Continental Breakfast Buffet	Fairway Deck	
8:00 AM – 10:00 AM	Shotcrete Technology Conference Seminars (3 rooms)	Sterling, Hans Kornell, Freemark Abbey	
10:00 AM – 10:30 AM	Morning Break	Fairway Deck	
10:30 AM – 12:30 PM	Shotcrete Technology Conference Seminars (3 rooms)	Sterling, Hans Kornell, Freemark Abbey	
12:00 PM – 2:00 PM	Buffet Lunch	Fairway Deck	
1:30 PM – 3:30 PM	Shotcrete Technology Conference Seminars (3 rooms)	Sterling, Hans Kornell, Freemark Abbey	
3:30 PM – 4:30 PM	Exhibitor Move-Out	Fairway Deck	
5:00 PM – 5:20 PM	Bus departures to Inglenook Winery	Pick up/drop off outside Market/Bakery	
6:00 PM – 10:00 PM	Outstanding Shotcrete Projects Awards Banquet	Inglenook Winery	
WEDNESDAY, MARCH	14, 2018		
7:00 AM – 9:00 AM	Continental Breakfast Buffet	Fairway Deck	
11:00 AM	Checkout	_	

^{*}Concurrent activities for Spouses at Silverado—tbd

COMMITTEE MEETING SCHEDULE

MONDAY, MARCH 12	2 LOCATION		
TIME	HANS KORNELL	FREEMARK ABBEY	
8:00 AM – 9:00 AM	Education	Underground	
9:00 AM – 10:00 AM	Membership	Pool & Recreation	
10:00 AM – 10:30 AM	BREAK-Fairway Deck		
10:30 AM – 11:30 AM	Marketing	Safety	
11:30 AM – 12:00 PM	Publications	_	
12:00 PM – 1:00 PM	LUNCH-Fairway Deck		
1:00 PM – 2:00 PM	Contractor Qualification	_	
2:00 PM – 2:30 PM	BREAK-Fairway Deck		
2:30 PM – 4:00 PM	Board of Direction	_	
4:00 PM – 5:00 PM	_	ACI 506-H	

SHOTCETE TECHNOLOGY CONFERENCE SCHEDULE

TUESDAY, MARCH 13		LOCATION	
TIME	STERLING	HANS KORNELL	FREEMARK ABBEY
8:00 AM	A1-Bridger	B1-Breeds	C1-Duckworth
9:00 AM	A2-Allen	B2-Clements	C2-Jolin
10:00 AM	Morning Break - Fairway Deck		
10:30 AM	A3-Hedstrom	B3-Reda	C3-Yun
11:30 AM	A4-Lee	B4-Nitschke	C4-Drakeley
12:30 PM	Buffet Lunch – Fairway Deck		
1:30 PM	A5-Geers	B5-Duckworth	C5-Williams
2:30 PM	A6-Tadolini	B6-Zhang	C6-Petrella

SHOTCRETE TECHNOLOGY CONFERENCE SESSIONS



A1 STATE-OF-THE-ART IN SHOTCRETE EQUIPMENT Speaker: Patrick Bridger, General Manager, King Shotcrete Equipment Inc.

This session will cover the history, development, and current state-of-the-art in dry-mix and wet-mix shotcrete equipment. Though dry-mix originated over 100 years ago, recent years have seen significant improvements in efficiency, reliability, and consistent performance, allowing shotcrete to be used in a wide variety of applications from deep underground to above ground concrete structures.

A2 EQUIPMENT SAFETY: PREVENTION THROUGH DESIGN Speaker: Bill Allen, UTT Business Development Manager-Tunneling, MAPEI

Prevention through Design (PtD) considers all hazards that could put workers at risk, including carelessness, distractedness, and inexperience. Those considerations take place before the equipment is built, and then the safety features are tested before the product ever goes to market. When applied properly, PtD results in substantial savings for contractors through lower employee turnover and fewer injuries.

A3 VIRTUAL TRAINING AND CERTIFICATION FOR MECHANIZED SHOTCRETE SPRAYING-NEW PROCEDURES IN AUSTRALIA AND SWEDEN

Speaker: Adrian Hedström, International Account Manager, Edvirt Shotcrete application with mechanized equipment is placing heavier demands on operators, and raises the importance of highly skilled shotcrete sprayers to a new level. How can we assure the shotcrete quality without spending too much time and resources on quality control? How can avoid human factor related failures which drive downtime, re-application rates, and unnecessary spill? This presentation will share some insights on new certification and training procedures which have been introduced in the E4 Stockholm Bypass project in Sweden and West Connex M4 East in Sydney, Australia.

A4 WHY NATURAL IS BETTER-BENEFITS OF NATURAL FIBERS IN CONCRETE CURING PROCESS

Speaker: Terry Lee, Director of Operations, Soo Industry Inc. A small amount of natural fibers added to concrete can eliminate common issues found in the curing process. Natural fibers, produced from jute, kenaf, and hemp greatly reduce surface cracking and can increase adhesion. The hydrophilic cellulose properties in natural fibers control moisture levels during curing and can help provide a smoother surface and increased tensile and flexural strength in the hardened concrete. The presentation focuses on benefits of natural fiber, brief history of natural fibers in construction, scientific and test data, and properties and usage benefits specifi-

cally for shotcrete. The presentation also provides comparison data

A5 ADVANCEMENTS IN STEEL FIBER REINFORCED SHOTCRETE FOR UNDERGROUND

with some of popular synthetic concrete fibers used today.

Speaker: William "Bill" Geers, PE, Business Development and Technical Manager USA/Canada, Bekaert-Maccaferri **Underground Solutions**

The presentation provides results of a study performed at the Shotcrete Laboratory at Laval University aimed at generating results via two different test standards (ASTM C1550 and EN 14488-5) for fiber-reinforced shotcrete (FRS). The testing was performed on five different fiber-reinforced wet-mix shotcrete mixtures: a macro-synthetic fiber; conventional steel fiber; and new higher-performing steel fibers. The presentation will also discuss the results of a companion study performed at Laval to determine whether the placement of a watertight membrane over a layer of

dry-mix steel fiber-reinforced shotcrete (SFRS) or the spraying of SFRS on top of the same watertight membrane will compromise its waterproofing capability.

A6 FIBER-REINFORCED ULTRA RAPID HARDENING SPRAYED CONCRETE FOR CIVIL AND CONSTRUCTION **APPLICATIONS**

Speaker: Stephen C. Tadolini, PhD, VP Technology, Minova Americas

This session discusses development of a shotcrete formulation that extends beyond stabilization and can be used to restore the structural integrity of damaged or existing infrastructure. The primary challenge was to develop a shotcrete with structural strength within a few minutes to prevent parasitic loading and allow ingress into damaged structures within a few minutes of the mixture formulation being applied. An additional benefit was the discovery that the product had extremely high adhesion properties in addition to high flexural strengths. Dry mix eliminates issues relevant to high shear water mixing, as water is added at the nozzle.

B1 ARCHITECTURAL ASPECTS OF SHOTCRETE FINAL LININGS IN WATERPROOFED TUNNELS

Speaker: Chris Breeds, PhD, PE, CEng, President, SubTerra, Inc.

Often contractors would prefer using shotcrete over cast-in-place concrete for final tunnel linings (or sections of same) that cannot be formed due to their complex shape. Owners are sometimes reluctant to allow the use of shotcrete because of uncertainty in the contractor's ability to match required architectural finishes. In the Seattle, WA, area, shotcrete contractors produce walls of underground parking garages providing a surface that cannot be differentiated from cast-in-place concrete. This session examines the current state of practice and documents the industry's ability to meet the finishes typically required in rail and road tunnels.

B2 INNOVATIVE SHOTCRETE TECHNOLOGIES FOR UNDERGROUND DEVELOPMENT AND INFRASTRUCTURE **REPAIRS**

Speaker: William Clements, MASc, PEng, Engineering Services Manager, King Packaged Materials Company

The advancements in shotcrete materials and processes to be covered in this presentation include the mechanical characteristics of ultra-rapid-strength-gain fiber-reinforced shotcrete materials, development and use of ultra-rapid-strength-gain shotcrete for infrastructure repair, development and production of on-demand shotcrete for underground applications, and the initial development results of shotcrete possessing very low cracking potential for infrastructure repair. The intent of this presentation is to inspire innovations in underground development and infrastructure repairs through shotcrete by providing the attendee with an overview of the latest technologies available to the industry and how they are being used in real world applications.

B3 DESIGN AND CONSTRUCTION ASPECTS OF SHOTCRETED FINAL TUNNEL LININGS

Speaker: Dominic Reda, Gall Zeidler Consultants; and Andy Thompson, Mott MacDonald

The NYC East Side Access Project involves construction of geometrically complex underground structures, which were initially conceived to be constructed with either traditional concrete or shotcrete final linings (SFL). However, with advancements in concrete placement technology, a change to a modified shotcrete approach was adopted. With an experienced contractor, the modified shotcrete system proved applicable beyond initial expectations. The session provides guidance for the design and construction aspects of the modified shotcrete method and contrasts it to traditional SFL placement.



SHOTCRETE TECHNOLOGY CONFERENCE SESSIONS, CONTD.



B4 SPECIFICATION AND DESIGN OF SHOTCRETE FOR ROAD TUNNELS

Speaker: Axel Nitschke, PE, PhD, Vice President, WSP USA, and Tunnel Practice Leader, NATM

The specification and design of shotcrete for tunnel projects in the United States is often based on a project-specific approach. For road tunnels, however, FHWA's Technical Manual and AASHTO's Tunnel Guide provide two comprehensive guidance documents that are often referenced for tunnels serving other purposes. This presentation provides an overall overview of the structure of both documents and identifies sections applicable to the specification and design of shotcrete. In addition, the presentation highlights the links and interfaces with existing documents published by ACI Committee 506, Shotcrete, to provide a comprehensive overview to engineering and construction professionals.

B5 ARE WE THERE YET? HYBRID PLACEMENT TECHNIQUES

Speaker: Oscar Duckworth, Owner, Valley Concrete Services

In many of the major metropolitan regions of the Western United States, shotcrete placement is replacing form-and-pour methods to encase congested reinforcement elements more than ever before. This is primarily driven by the time and labor savings inherent with shotcrete. Since all of shotcrete's compaction and consolidation qualities are directly attributed to its high-velocity, high-impact placement method, velocity alone may not be sufficient to assure adequate compaction in many current congested reinforcement designs. Experienced shotcrete crews have used hybrid high-velocity supplemented with mechanical vibration to facilitate consolidation in congested areas for years with good success.

B6 TRANSPORT PROPERTIES OF SHOTCRETED AND CAST CONCRETE

Speaker: Lihe (John) Zhang, PhD, PEng, Owner, LZhang Consulting & Testing Ltd.

The question is sometimes asked: "How does the durability of shotcrete compare to that of cast-in-place concrete?" The durability of shotcrete and concrete structures is strongly influenced by their transport properties. This session details a comparative evaluation conducted on cast-in-place concrete, cast wet-mix shotcrete, sprayed wet-mix shotcrete, and sprayed dry-mix shotcrete in mixtures with and without fly ash, silica fume, and accelerators. This study demonstrates that properly applied wet-mix and dry-mix shotcretes can provide equivalent or superior transport properties, and durability, to cast-in-place concrete.

C1 THIXOTROPY—WHAT DOES IT HAVE TO DO WITH SHOTCRETE

Speaker: Oscar Duckworth, Owner, Valley Concrete Services

Never heard of thixotropy? Most haven't. But this obscure physical property has more influence on shotcrete than you may realize. Professional shotcrete workers know that some mixtures tend to place and finish far better than others, but few can clearly explain why. Although nearly every concrete mixture component will influence its thixotropy, mixtures are rarely designed to optimize this critically important property.

C2 SHOTCRETE R&D IN THE NEXT 25 YEARS: WHAT TO EXPECT?

Speaker: Marc Jolin, PhD, FACI, Professor, Department of Civil and Water Engineering, Laval University, Quebec, QC, Canada

While shotcrete research in the last few decades has seen interesting developments, this presentation will focus on the research and development efforts to come in the next 25 years. Topics such as engineered nozzle design, 20,000 psi strength shotcrete, "à la carte" placement rheology characteristics, and zero-rebound shotcrete will be discussed along with directions on how to reach these development goals. The format of the presentation will be such as to promote further discussions, solicit different points of views, and generate new ideas.

C3 CELLULAR SPRAYED CONCRETE: AN INNOVATIVE METHOD FOR A VARIETY OF APPLICATIONS

Speaker: Kyong-Ku Yun, PhD, Professor, Kangwon National University, South Korea, and Director, Center for Kangwon Infrastructure Technology

A very innovative method, named cellular sprayed concrete, was developed. Cellular sprayed concrete is a very simple and economic method to produce a high-performance shotcrete (HPS) by adding cellular and silica fume or other powdered admixtures to an ordinary stiff ready mixed concrete. This method enables the distribution of the very fine silica fume or other powdered admixtures in stiff ready mixed concrete.

C4 STATE-OF-THE-ART IN SHOTCRETE POOL DESIGN AND CONSTRUCTION

Speaker: Bill Drakeley, Principal and Owner, Drakeley Industries and Drakeley Pool Company

Focuses on high-end shotcrete pool construction. Many ASA builders across the country will have their work highlighted covering all degrees of difficulty. From vanishing-edge hillside pools to commercial aquatic venues, shotcrete has proven itself to be the ideal for successful high-end water features. The session will also demonstrate that shotcrete is not only ideal for concrete pool construction, but it has no limitations in terms of structural and aesthetic design.

C5 WINE CAVES OF CALIFORNIA

Speaker: Sash Williams, President, Williams Associates Engineering; and Rick Shone, President, Nordby Wine Caves

Wine caves in California have gone from rustic, hand-dug, unsupported spaces intended for wine storage only to fully supported, conditioned spaces that house everything from art galleries to sophisticated hospitality spaces. This seminar will be presented by a contractor and engineer to provide a complete overview of the current state of wine caves and their design and construction. Topics will include an overview of the modern uses for caves, challenges of building wine caves including balancing owner expectations with cost, geotechnical considerations, and developments in the design and construction of the reinforced shotcrete liners.

C6 RECOGNIZING AND AVOIDING SHOTCRETE FINISHING MISTAKES

Speaker: Dominic Petrella, Shotcrete Artisan and Owner, Petrella Concrete

Dominic Petrella is recognized for his skillful artistic carved rock, specialized architectural surfaces, and amazingly smooth hard-troweled shotcrete finishes. Petrella will share his expertise on attaining high-quality finishes as well as how to avoid common finishing mistakes that waste time and may lead to a poor-quality in-place product.



EXHIBITING CONVENTION SPONSORS



GOLD LEVEL

3D LASER MAPPING

3D Laser Mapping provides real-time monitoring and measuring systems for use in heavy industries. Our scanner and software packages are simple, effective, and automated for enhanced operational intelligence.

BASALITE CONCRETE PRODUCTS ULC

Basalite Concrete Products ULC, acquired by Pacific Coast Building Products in 1979, has become one of the largest manufacturers/ suppliers of concrete products in Western/North America. Basalite has multiple locations in Canada and along the Western United States to serve a variety of customers.

BASF

BASF, through its Master Builders Solutions brand, is a leading supplier of underground construction products that enable civil, tunneling, and mining customers to be more successful. BASF creates chemical solutions for new construction, maintenance, and repair of underground structures, especially in challenging ground conditions. We have a wide range of shotcrete products including accelerators, hydration control admixtures, plasticizers, and fibers. Visit www.master-builders-solutions.basf.us.

FIBERFORCE BY ABC POLYMER

FiberForce is a fully integrated leading manufacturer of over 30 types of microsynthetic, macrosynthetic, blended, and steel concrete fibers for the ready mix industry. The professional engineers and representatives are always available to help evaluate specific applications and recommend the best fiber-reinforced concrete (FRC) solution—from fiber type, dosage rate, mixture design, value engineering, to finishing methods.

GARY CARLSON EQUIPMENT CO.

Gary Carlson Equipment stocks for rental and sales a very large fleet of new and like-new shotcrete guns, pumps, and grouting equipment for customers across North America. We also offer crew training.

GENESIS/NSPF

GENESIS® was established in 1998 to lift the pool industry's ability to design, engineer, construct, and service watershapes by teaching and sharing best practices. Since its 2016 merger with the National Swimming Pool Foundation®, GENESIS is even better able to carry out its goal to "EDUCATE, CERTIFY and CONNECT" the very best companies and individuals in the pool and spa industry.

KING SHOTCRETE EQUIPMENT INC.

In North American and International markets, the strength of KING Shotcrete Equipment Inc. lies in its ability to provide high-quality equipment, as well as a high level of technical support from the supply of wear parts to equipment servicing and training. For more information, visit www.kingshotcrete-equip.com.

KING SHOTCRETE SOLUTIONS

KING Shotcrete Solutions include prepackaged shotcrete material, as well as mixing and placement equipment, intended for mining, tunneling, refractory, concrete construction, and concrete rehabilitation projects. KING Shotcrete Solutions supports your complete shotcrete operation. For more information, visit www.kingshotcrete.com.

NEPTUNE COATINGS

Neptune Coatings is an innovative manufacturer of waterproofing solutions for a variety of challenges in the construction industry. Neptune Coatings' disruptive technology is continuing to evolve as a source for architects and consultants to turn to for solutions in today's construction market.

RELIABLE CONCRETE ACCESSORIES

For over three and a half years, Reliable Concrete Accessories had been the licensed manufacturer of the UltraCure™ concrete wet curing blankets. Our latest products, ReliableCureSOG® and ReliableCureVAB® represent the next generation of high-performance concrete curing technology that outperforms anything that has come before.

SOO INDUSTRIES CO.

SOO Industries Co. is the market leader in construction natural fiber, providing top-quality reinforcement additive to the shotcrete industry. The company manufactures natural fibers which are hydrophilic and boast dispersibility, adhesiveness, and provide smooth surface control during the curing and drying process, thus improving tensile, compressive, and flexural strength of concrete and mortar.

WESTERN ENVIRONMENTAL LINER

Western Environmental Liner manufactures a wide variety of geomembranes and geosynthetic laminates to ensure that the best available product is offered for each customer's unique requirements. Our canal liner materials can be custom-made to accommodate specifically required sizes, allowing for easier installation and better quality control.

SILVER LEVEL

AIRPLACO EQUIPMENT COMPANY/GUNITE SUPPLY

Airplaco Equipment Company was formed in 1946 and specializes in quality-built concrete construction machinery, including grout and shotcrete pumps, gunite machines, and pressure vessels, as well as parts and accessories.

CONCRETE PUMPING ACCESSORIES, LLC

Concrete Pumping Accessories, LLC designs, manufactures, and markets Perrin Pan and accessories. Perrin Pan is a patented design that offers the industry's first truly lightweight and portable washout/containment solution that can be operated by a single person with ease.

SHOTCRETE HELMET

Shotcrete Helmet is the nozzleman's choice for respiratory, head, and vision protection while working with shotcrete. Shotcrete Helmet is comfortable and easy to wear and use.

SIMPSON STRONG-TIE

From the first years of operation, Simpson Strong-Tie has led the industry in engineered structural connector design. The work we do in our labs gives us a better understanding of how structures perform, advances our design technology, and improves building safety. We provide solutions that help people design and build safer, stronger structures.

ADDITIONAL CONVENTION SPONSORS



GOLD LEVEL

DEES-HENNESSEY INC.

Dees-Hennessey Inc. provides structural engineering solutions to commercial properties in the Northern Californian area. We have been in business since 1985, offering expert construction work including structural shotcrete, gunite, shoring, underpinning, and pier drilling.

DRAKELEY POOL COMPANY

Drakeley Pool Company is an award-winning luxury watershape design and construction firm serving Connecticut, New York, and Massachusetts. We specialize in high-end residential and commercial projects, including renovation, designed for the unique New England environment.

GUNITE SPECIALISTS INC.

Gunite Specialists is a dry-mix shotcrete company founded in 1983. From the beginning, the company has been primarily focused on the swimming pool industry. Over the past 20 years, they have expanded into other avenues such as bridge repair, erosion control, and various other commercial shotcrete projects.

NMN CONSTRUCTION

For the last 20 years, NMN Construction has been honing our craft with the goal of being the best shotcrete and gunite contractor in the region. By keeping up with the latest technologies and paying close attention to on-site safety and quality workmanship, we have completed hundreds of shotcrete projects all across California with varying levels of difficulty.

THE QUIKRETE COMPANIES

The QUIKRETE Companies are the largest manufacturer of packaged concrete and cement mixes and the United States and Canada, and an innovative leader in the commercial construction and the home improvement industries.

REVOLUTION GUNITE

Revolution Gunite provides award-winning dry-mix shotcrete (gunite) services primarily for swimming pools as well as retaining walls, soil stabilization, and architectural features. We serve all of North Carolina as well as parts of South Carolina, Virginia, Tennessee, and West Virginia.

SUPERIOR GUNITE

Founded in 1956, Superior Gunite began its business specializing in swimming pool construction. Now, whether we are building the structural concrete basement walls for a mixed use project in the heart of Boston's historic Fenway district, completing an emergency tunnel repair with a 24/7 operation, successfully proving the effectiveness of a shotcrete wall application that had never been used before in Clark County Nevada, or constructing a vital yet uncelebrated retaining wall—our dedicated teams lead the way in innovation and technologies that save time and money.

SILVER LEVEL

BEKAERT MACCAFERRI UNDERGROUND SOLUTION

Bekaert Maccaferri Underground Solutions is your global partner for smart fiber reinforcement, offering a high-quality and value-adding service with our fiber products. We specialize in fibers for shotcrete in temporary and permanent ground support in tunneling and mining applications.

BLANCHARD GROUP

The Blanchard Group has been a quality producer of concrete and concrete products for close to 30 years. Constantly searching for new innovations, the company has expanded from strictly a ready mix manufacturer to a diversified operation that manufactures and supplies high-quality ready mix, industrial shotcrete, as well as a new line of premixed bagged products, which allows us to share our industry experience and expertise with the retail consumer.

COASTAL GUNITE CONSTRUCTION COMPANY

Coastal Gunite Construction Company has provided structural shotcrete services in the commercial, industrial, energy, and public markets for more than 30 years. Since 1983, Coastal Gunite Construction Company has held an unwavering commitment to providing owners and engineers with technically capable and competent commercial shotcrete construction services.

DAESANG E&C

Deasang E&C is a Korean Engineering and Construction firm with a focus on shotcrete research and application. Designers of notable projects such as the 2018 PyeongChang Winter Olympics Sliding Track and the regionally symbolic Tunnel Portals along Highway ViewRock.

EASTCO SHOTCRETE LLC

Eastco Shotcrete LLC is a New Jersey-based company that specializes in concrete rehabilitation using the shotcrete process. Our projects range in varying sizes, from small concrete repair projects to large, high-production jobs in both wet or dry processes. Accommodating the owner's specific needs is always a priority.

FIBERCON INTERNATIONAL INC.

Crack control begins with having enough fibers (and fiber stiffness) to stop a micro-crack before it propagates into a larger crack. Fibercon steel fibers do just that, with over 46 years of experience.

NATIONAL POOLS OF ROANOKE, INC.

National Pools of Roanoke is a family-owned pool company in southwest Virginia specializing in construction, renovation, and service of concrete/shotcrete pools. Four of our employees became ACI-certified dry-mix nozzlemen in 2008 and work to build both residential and commercial pool projects in Virginia and West Virginia.

NORMET AMERICAS, INC.

At Normet, we offer equipment, construction chemicals, and rock reinforcement. We provide solutions to underground mining, tunneling, and civil construction. With our innovative technology and passion, we offer continuous improvement to your processes for safety, productivity, and profitability.

SOUTH SHORE GUNITE POOLS & SPAS, INC. (SSG)

South Shore Gunite is the largest full-service swimming pool company in the Northeast. SSG self performs all of their own work including wet- and dry-mix shotcrete for their own pools and has a growing shotcrete construction division performing bridge repair, dam repair, shear wall installations, and various other type of shotcrete work in the Northeast.

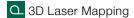
SOUTHWEST V-DITCH INC. (SWVD)

Southwest V-Ditch, Inc., is a union shotcrete contractor specializing in drainage ditches, slopes, channels, canals, basins, walls, and tunnels. With multiple ACI certified nozzlemen, 10 backhoes/excavators, and over 20 shotcrete/boom pumps, SWVD works throughout California providing complete turnkey excavation, forms, reinforcing, and shotcrete services.

THANK YOU CONVENTION SPONSORS!









Bekaert Maccaferri **Underground Solution**



Daesang E&C



Fibercon International Inc.



Gunite Specialists Inc.



Neptune Coatings



Reliable Concrete Accessories



SOO Industries Co.



Western Environmental Liner







Blanchard Group



Dees-Hennessey, Inc.

Dees-Hennessey Inc.



Q. FiberForce by ABC Polymer Q. Gary Carlson Equipment Co.



King Shotcrete Equipment



NMN Construction



Revolution Gunite



South Shore Gunite



Basalite Concrete Products



Coastal Gunite Construction Company



Drakeley Pool Company





Q. King Shotcrete Solutions



Normet Americas, Inc.





Southwest V-Ditch Inc.







Concrete Pumping Accessories



Eastco Shotcrete LLC







National Pools of Roanoke, Inc.



The QUIKRETE Companies



Simpson Strong-Tie



Superior Gunite

